

CURRICULUM VITAE

June 1st, 2023

Personal data

Name: **Guillaume MILLET, PhD**

Present positions:

- Professor of Exercise Physiology, Jean Monnet University, Saint-Etienne, France
- Senior member, Institut Universitaire de France
- Adjunct Professor, University of Calgary, Canada



Past positions:

- Director, Inter-university Laboratory of Human Movement Biology (LIBM), France
- Leader, *ActiFS* Chair, Jean Monnet University, Saint-Etienne, France
- Director, Neuromuscular Fatigue Laboratory, University of Calgary, Canada



Laboratoire Inter-universitaire de Biologie de la Motricité
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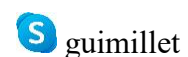
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Date of birth: Jan. 18, 1969
Married 1993 with Isabelle
(2004).

Citizenship: French
Children: Zélie (Born 2002) & Henri (Born 2004).

Education

- ❑ Ph.D. in Sport Sciences, 1997, University of Besançon (with distinction)
Thesis "Mechanical Factors of the Energy Cost of Locomotion" (Chairman: Paavo Komi, Finland).
- ❑ M.A. in Information, Communication and Digital Technology, 2013, Jean Monnet University Saint-Etienne
- ❑ M.Sc. in Sport Sciences, 1993, University of Lyon (with distinction)
- ❑ Graduate training: 5 months Medical College of Wisconsin (Milwaukee, USA, 1995) and 7 months Edith Cowan University (Australia, 2007-2008).
- ❑ 3 professional certificates (national instructor) allowing to teach physical activity (cross-country skiing, mountain biking, triathlon).

Employment

- ❑ Professor, Jean Monnet University Saint-Etienne, 2018/09-Present.
- ❑ Professor, Faculty of Kinesiology, University of Calgary, 2013/09-2018/08
- ❑ 4-year full-time research contract in the Hypoxia-Pathophysiology Laboratory (French National Institute for Medical Research), Grenoble, 2009/09-2013/08.
- ❑ Professor, Jean Monnet University Saint-Etienne, 2005/03-2009/08.
- ❑ Associate Professor, Jean Monnet University Saint-Etienne, 2003/09-2005/02.
- ❑ Associate Professor, University of Burgundy, 2000/09-2003/08.
- ❑ Assistant Professor, University of Burgundy, 1998/09-2000/08
- ❑ Fixed term, teaching and research position, University of Franche-Comte, 1996/09-1998/08.
- ❑ Teaching assistantship during my PhD scholarship, University of Franche-Comte, 1994/09-1996/08.

Supervision of HQP

Post-Doctoral Fellows

18. 01/2023-12/2024. Anthony Khawaja  (Saint-Etienne, France): The role of tailored physical activity in reducing fatigue among patients with multiple sclerosis: face-to-face vs. remote at-home approaches – Principal Supervisor.
17. 01/2023-12/2025. Djahid Kennouche  (Saint-Etienne, France): Fatigue evaluation in spinal muscular atrophy patients – Principal Supervisor.
16. 01/2021-06-2023. Jose Mira  (Saint-Etienne, France): Innovative resistance training in patients with colorectal cancer – Principal Supervisor.

15. 01/2022-08/2022. Frederic Sabater Pastor  (Saint-Etienne, France): The Train-Imm project – Principal Supervisor.
> Current position: Fixed term, teaching and research position at University of Font-Romeu (France)
14. 12/2021-08/2022. Thibault Besson  (Saint-Etienne, France): Performance factors in endurance running – Principal Supervisor.
> Current position: Researcher at HumanFab (Aix-en-Provence, France)
13. 01/2019-07/2022. Dr Callum Brownstein  (St-Etienne, France): Role of acute fatigue resistance in cancer-related fatigue – Principal Supervisor.
> Current position: Lecturer in Exercise Physiology at Newcastle University (UK)
12. 01/2019-12/2020. Dr Benjamin Singh  (St-Etienne, France): Improvement of neuromuscular function, fatigue and quality of life by resistance training optimization in colorectal cancer patients – Principal Supervisor.
> Current position: Research Fellow at the University of South Australia
11. 09/2018-08/2019. Dr Robin Souron  (St-Etienne, France): Fatigue in long term treated Intensive Care Units patients – Principal Supervisor.
> Current position: Assistant Professor at University of Nantes (France)
10. 02/2018-02/2019. Dr James Wrightson  (Calgary, Canada): Relationship between acute fatigue resistance and chronic fatigue in clinical populations – Principal Supervisor.
> Current position: Research Associate at the University of British Columbia (Canada)
9. 11/2016-06/2019. Dr Rosemary Twomey  (Calgary, Canada): Tailored training interventions to reduce cancer-related fatigue – Principal Supervisor.
> Current position: Associate Scientific Director, CIHR-Institute of Musculoskeletal Health & Arthritis (Canada)
8. 10/2016-09/2017. Dr Tristan Martin  (Calgary, Canada): Sleep disorders in cancer-related fatigue – Principal Supervisor.
> Current position: Assistant Professor at Le Mans University (France)
7. 09/2016-08/2017. Dr Gianluca Vernillo  (Calgary, Canada): Physiology and biomechanics of graded running – Principal Supervisor.
> Current position: Assistant Professor at Augustana Faculty, University of Alberta (Canada)
6. 03/2016-12/2018. Dr Saied Jalal Aboodarda  (Calgary, Canada): The role of neuromuscular function in cancer-related fatigue and multiple sclerosis – Principal Supervisor.




- > Current position: Assistant Professor at The University of Calgary (Canada)
- 5. 09/2105-08/2016. Dr Tatiane Piucco  (Calgary, Canada): Methods to assess endurance and fatigue on slide board skating – Principal Supervisor.
 - > Current position: Contract Faculty at Mount Royal University, Calgary (Canada)
- 4. 01/2014-07/2016. Dr John Temesi  (Calgary, Canada): Understanding the cause of fatigue and exhaustion in whole-body exercises in normal and extreme conditions – Principal Supervisor.
 - > Current position: Assistant Professor at Northumbria University, Newcastle (UK)
- 3. 09/2010-08/2012. Dr Thomas Rupp  (Grenoble and Saint-Etienne, France): Brain and muscle deoxygenation during prolonged cycling exercise in hypoxia and normoxia – Co-Supervisor.
 - > Current position: Associate Professor at University of Chambéry (France)
- 2. 09/2010-08/2011. Dr Marc Jubeau  (Saint-Etienne and Grenoble, France): Central fatigue assessed by transcranial magnetic stimulation during prolonged cycling exercise in hypoxia and normoxia – Principal Supervisor.
 - > Current position: Full Professor at University of Nantes (France)
- 1. 01/2009-12/2009. Dr Katja Tomazin  (Ljubljana, Slovenia and Saint-Etienne, France): Magnetic stimulation factors affecting peripheral nerve stimulation – Principal Supervisor.
 - > Current position: Associate Professor at University of Ljubljana (Slovenia)

Research Assistants











- 4. Crane Rogers  (Saint-Etienne, France)
- 3. 08/2020-07/2022. Franck Le Mat  (Saint-Etienne, France)
- 2. 02/2019-06/2019. Djahid Kennouche  (Saint-Etienne, France)
- 1. 11/2018-12/2021. Diana Rimaud  (Saint-Etienne, France)










Visiting Professors









- 7. 09/2019. Prof Shawn Bearden  (Idaho State University)
- 6. 02/2018-04/2018. Prof Billy Sperlich  (University of Würzburg, Germany)
- 5. 04/2017-12/2017. Dr James Wrightson  (University of Brighton, UK)
- 4. 11/2016-03/2017. Dr Gustavo Ribeiro da Mota  (Federal University of Triangulo Mineiro – UFTM (Brazil): Are females more susceptible to myocardial and skeletal muscle damage and inflammation after a 24-h ultramarathon?

3. 09/2016-04/2017. Prof Alireza Ramezani  (Islamic Azad University, Teheran, Iran): Fatigability of Torso Muscles in Adolescents with Idiopathic Scoliosis
2. 09/2016-02/2017. Dr Jerome Koral  (Catholic University of Valencia, Spain): Is neuromuscular fatigue etiology dependent on type of contraction?
1. 04/2015-09/2015 and 04/2016-08/2016. Dr Gianluca Vernillo  (University of Milan, Italy): Ground reaction forces and kinematic analysis of uphill and downhill running

PhD Students















27. 01/2023-12/2026. Aaron Pearson  (Calgary, Canada): Is performance fatigability measured via wearable technology a valid and reliable approach compared to conventional methods? – Co-Supervisor.
26. 09/2022-08/2025. Mélanie Métra  (Saint-Etienne, France): Performance, fatigue and recovery: a road vs trail running comparison – Principal Supervisor.
25. 09/2022-08/2025. Mathilde Bertrand  (Saint-Etienne, France): OFF 2 Health: Overcoming and Fighting Fatigue to Improve Health – Principal Supervisor.
24. 01/2021-12/2023. Nicolas Bouscaren  (Saint-Etienne, France): Thermoregulation of ultra-endurance running – Principal Supervisor.
23. 10/2020-09/2023. Eric Luneau  (Saint-Etienne, France): Cardiovascular and neuromuscular responses to exercises throughout the adult lifespan – Principal Supervisor.
22. 10/2020-09/2023. Enrico Roma  (Saint-Etienne, France): Foot-ankle complex strength: pedestal for a physically healthy ageing? – Co-Supervisor.
21. 10/2019-05/2023. Yann Le Mat  (Saint-Etienne, France): Evaluation of physical capacities to tailor an exercise intervention: application in office workers – Principal Supervisor.
20. 10/2019-05/2023. Marie-Caroline Play  (Saint-Etienne, France): Interaction between vibration damping and morphological and functional characteristics of the runner: implications for fatigue and footwear construction – Principal Supervisor.
19. 10/2019-12/2022. Djahid Kennouche  (Saint-Etienne, France): Fatigue in long term treated Intensive Care Units patients – Principal Supervisor.
 > Current position: Postdoctoral Fellow at University of Saint-Etienne (France)
18. 01/2019-06/2022. Rafael Azevedo  (Calgary, Canada): Time course of neuromuscular fatigue during exercise below, above and at critical intensities of exercise across different populations – Co-Supervisor.
 > Current position: Postdoctoral Fellow at Faculty of Medicine, University of São Paulo (Brazil)





















17. 01/2019-12/2021. Frederic Sabater Pastor  (Saint-Etienne, France): Performance factors of prolonged running: a particular focus on running economy and fatigue – Principal Supervisor.
 > Current position: Fixed term, teaching and research position at University of Font-Romeu (France)
16. 01/2019-11/2022. Nicolas Royer  (Saint-Etienne, France): Understanding and treating fatigue in multiple sclerosis – Principal Supervisor.
 > Current position: Postdoctoral Researcher at Marquette University (USA)
15. 03/2018-11/2021. Thibault Besson  (Saint-Etienne, France): Biomechanical and physiological differences between males and females in endurance running – Principal Supervisor.
 > Current position: Researcher at HumanFab (Aix-en-Provence, France)
14. 01/2017-01/2022. Arash Khassetarash  (Calgary, Canada): Repeated bout effect and musculoskeletal loading during prolonged downhill running – Co-Supervisor.
 > Current position: Postdoctoral Fellow at the University of Calgary (Canada)
13. 09/2016-08/2022. Michael Baggaley  (Calgary, Canada): Musculoskeletal Loading in Graded Running – Co-Supervisor
 > Current position: Postdoctoral Fellow at the University of Calgary (Canada)
11. 09/2015-08/2019. Renata Lopes Kruger  (Calgary, Canada): Effects of exercise on neuromuscular fatigue during dynamic muscle contractions in young and aging populations – Principal Supervisor.
 > Current position: Senior Medical Writer, Alimentiv, London, Ontario (Canada)
11. 09/2014-05/2018. Jose Mira  (Chambéry, France & Calgary, Canada): Neuromuscular and psychophysiological determinants of prolonged exercises in normoxia and hypoxia: from fatigue etiology to performance improvement – Co-Supervisor
 > Current position: Postdoctoral Fellow at University of Saint-Etienne (France)
10. 09/2014-12/2017. Robin Souron  (Saint-Etienne, France & Calgary, Canada): Effects of chronic tendon vibration on muscle neuromechanical properties – Co-Supervisor
 > Current position: Assistant Professor at University of Nantes (France)
9. 10/2012-11/2015. Pierrick Arnal  (Paris & Saint-Etienne, France & Calgary, Canada): Effects of sleep deprivation on neuromuscular and cognitive functions: a military approach – Co-Supervisor
 > Current position: Chief Science Officer at Dreem (France and USA)

8. 09/2010-11/2014. Cyrille Bankole  (Saint-Etienne, France): Safety and Effectiveness of Home-Based Exercise Therapy in Facioscapulohumeral Muscular Dystrophy – Co-Supervisor
> Current position: Physical Education Teacher, Ottawa (Canada)
7. 09/2010-11/2013. John Temesi  (Saint-Etienne, France): The use of transcranial magnetic stimulation in locomotor function: methodological issues and application to extreme exercise – Principal Supervisor.
> Current position: Assistant Professor at Northumbria University, Newcastle (UK)
6. 09/2010-12/2014. Christian Frøyd  (Cape Town, South Africa): Fatigue and recovery in high-intensity exercises – Co-Supervisor
> Current position: Associate Professor at Western Norway University of Applied Sciences. Bergen (Norway)
5. 09/2008-10/2011. Makii Muthalib  (Perth, Australia): Effects of muscle contractions on biceps brachii oxygenation investigated by near-infrared spectroscopy – Academic Advisor.
> Current position: Founder and R&D at SilverLine Research, Montpellier (France)
4. 09/2006-12/2009. Matthieu Foissac  (Saint-Etienne, France): Reduction of energy cost and fatigue during loaded walking, application to poles and backpack – Co-Supervisor.
> Current position: Product Manager – Decathlon International (France)
3. 09/2001-12/2004. Vincent Martin  (Dijon, France): Neuromuscular recovery: how interesting is electromyostimulation? – Principal Supervisor.
> Current position: Full Professor at Clermont-Auvergne University (France)
2. 09/2000-12/2003. Grégory Lattier  (Dijon, France): Low-frequency electromyostimulation and human performance – Principal Supervisor.
> Current position: Policeman, Valence (France)
1. 09/1998-12/2000. Stéphane Perrey  (Besançon, France): Determining factors of VO₂ kinetics – Academic Advisor.
> Current position: Full Professor at University of Montpellier (France)

MSc. Students

26. 01/2023-06/2023. Haroun Eloueslati  (Lyon): Uphill energy cost of running and biomechanical adjustments: effect of ground technicity – Principal Supervisor.

25. 01/2023-06/2023. Hichem Hicheri  (St-Etienne): Using Myocène to track fatigue of elite young basket-ball players – Principal Supervisor.
24. 09/2021-06/2022. Titouan Perrin  (St-Etienne): Effect of longitudinal bending stiffness of running shoe on the energy cost, biomechanics, and fatigue during a half-marathon on a treadmill – Principal Supervisor.
23. 09/2021-06/2022. Mélanie Métra  (St-Etienne): Energy cost of running in road vs trail runners – Principal Supervisor.
22. 09/2020-06/2021. Arthur Pflieger  (Lyon): Étude multifactorielle et impact de la récupération de la fatigabilité sur la fatigue chronique ressentie par les patients atteint par le covid 19, ayant séjourné en réanimation – Principal Supervisor.
21. 01/2021-06/2021. Suzon Collet  (Marseille): Comparison of plastic versus carbon foot ankle orthosis to improve energy cost of walking in post-stroke patients – Principal Supervisor.
20. 04/2019-06/2020. Eric Luneau  (Saint-Etienne): validity of two ergometers to measure functional capacities and fatigue in ICU patients – Principal Supervisor.
19. 09/2019-06/2020. Clara Pfenninger  (Saint-Etienne): Can fatigability explain fatigue in multiple sclerosis? – Principal Supervisor.
18. 09/2018-06/2019. Marilyne Berthet  (Saint-Etienne): Neuromuscular characteristics of elite trail runners – Co-Supervisor.
17. 01/2017-06/2019. Colin Lavigne  (Calgary): New interventions to increase muscle strength and reduce fatigue in head and neck cancer survivors – Principal Supervisor.
16. 09/2016-06/2018. Kyla Coates (Calgary): Fatigue in Multiple Sclerosis – Principal Supervisor.
15. 09/2016-06/2018. Kathryn Wytsma-Fisher  (Calgary): Exercise in palliative cancer populations – Academic Advisor
14. 09/2015-06/2017. Doug Doyle-Baker  (Calgary): An innovative ergometer for measuring neuromuscular fatigue during and immediately after cycling exercise – Principal Supervisor.
13. 09/2014-06/2016. Mary Medysky  (Calgary): Can sleep disorders and neuromuscular dysfunction explain subjective fatigue in cancer patients and survivors? – Principal Supervisor.
12. 09/2014-09/2016. Felipe Maturana  (Calgary): Multiple versus single test for calculating critical power – Co-Supervisor.
11. 09/2011-06/2012. Pierrick Arnal  (Saint-Etienne): Effect of 30 h of sleep deprivation on cycling and cognitive performance and central fatigue – Principal Supervisor.

10. 09/2007-06/2008. Hugo Kerhervé   (Saint-Etienne): Neuromuscular alterations induced by an ultramarathon – Principal Supervisor.
9. 09/2007-06/2008. Damien Fournet   (Saint-Etienne): Walking poles to reduced lower limbs fatigue – Principal Supervisor.
8. 09/2006-06/2007. Jean-Claude Banfi   (Saint-Etienne): Muscles damages induced by 24h of treadmill running – Principal Supervisor.
7. 09/2004-06/2005. Damien Aubert   (Saint-Etienne): Effects of hypoxia on central fatigue – Principal Supervisor.
6. 09/2003-06/2004. Matthieu Foissac   (Saint-Etienne): Lower limbs stiffness during loaded walking – Co-Supervisor
5. 09/2001-06/2002. Gaëlle Deley   (Dijon): Effects of two types of pre-fatigue on VO₂ kinetics – Principal Supervisor.
4. 09/2001-06/2002. Laurent Pardon   (Dijon): Electromyostimulation and walking autonomy recovery – Co-Supervisor
3. 09/2000-08/2001. Vincent Martin   (Dijon): Neuromuscular fatigue and damages – Principal Supervisor.
2. 09/1999-08/2000. Grégory Lattier   (Dijon): Effects of training on neuromuscular characteristics – Principal Supervisor.
1. 09/1997-06/1998. Stéphane Perrey   (Besançon): Stretch-shortening cycle in roller skiing: effects of techniques – Principal Supervisor.

Undergraduate Students

12. 01/2018-08-2018: Nader Emani: The effects of pain induced by occlusion on corticospinal excitability of the contralateral knee extensor muscles – Principal Supervisor.
11. 11/2017-04/2018. Frances Carroll (Markin USRP studentship, \$6000): Tailored exercise intervention to alleviate cancer related fatigue – Principal Supervisor.
10. 05/2017-08/2017. Andrew Au (NSERC Undergraduate Student Research Award, \$5,625): Exercise induced fatigue in contralateral limb alters neuromuscular performance and pacing strategies – Principal Supervisor.
9. 05/2017-08/2017. Madeleine Cline (Markin USRP studentship, \$6000): Exercise induced fatigue in contralateral limb alters neuromuscular performance and pacing strategies – Principal Supervisor.
8. 05/2017-08/2017. Cindy Zhang (PURE studentship, \$6,000): Exercise induced fatigue in contralateral limb alters neuromuscular performance and pacing strategies – Principal Supervisor.

7. 06/2016-08/2016. Selina Fan (PURE studentship, \$4,500 – the student was also successful with AIHS and CIHR scholarships and declined): Short-term recovery of corticospinal excitability and inhibition – Principal Supervisor.
6. 09/2015-04/2016. Sung Jun Moon (ZOOLOGY 528). The effects of endurance training on muscle fatigue at exhaustion – Principal Supervisor.
5. 09/2015-04/2016. Roger Jaswal (KNES 490). The effects of endurance training on central fatigue at exhaustion – Principal Supervisor.
4. 06/2015-09/2015. Selina Fan (Markin USRP studentship, \$6000): Femoral nerve magnetic stimulation do detect central and peripheral fatigue in cancer survivors – Principal Supervisor.
3. 06/2015-09/2015. Alexis Jones (PURE Scholarship, \$6000): Correlation between upper and lower limbs corticospinal excitability – Principal Supervisor.
2. 09/2014-06/2015. Sandy Ngoc Ly: Reliability of single- and paired-pulse transcranial magnetic stimulation for the assessment of knee extensor muscle function – Principal Supervisor.
1. 09/2014-12/2014. Paul Sawh: Does transcranial magnetic and nerve electrical superimposed stimulation limit MVC? – Principal Supervisor.

Visiting Students

14. 01/2020-06/2022. Titouan Perrin (Ecole Normale Supérieure de Rennes): influence of shoe stiffness on energy cost of running and performance – Principal Supervisor.
13. 01/2020-06/2020. Michka Petit (Université Grenoble Alpes): Effects of training on energy cost, biomechanics and dynamic strength in trail runners – Principal Supervisor.
12. 06/2019-09/2019. Audrey Parent (Université du Québec à Montréal) (funding: \$6,000 Mitacs + \$4,000 REPAR): Can neuromuscular fatigue explain chronic fatigue in multiple sclerosis patients - Principal Supervisor.
11. 01/2018-06/2018. Giorgio Varesco (University of Rovereto, Italy): The effects of pain induced by occlusion on endurance performance and central fatigability of the contralateral knee extensor muscles – Principal Supervisor.
10. 03/2017-10/2017. Fabio Milioni (UNESP, Rio Claro, Brazil): Time-course of performance and neuromuscular recovery after repeated sprints in cycling – Principal Supervisor.
9. 02/2017-11/2017. Rafael Azevedo (University of São Paulo, Brazil): Development of Central and Peripheral Neuromuscular Fatigue during a Time Trial – Principal Supervisor.
8. 09/2016-04/2017. Dustin Oranchuk (Adams State University, USA): Is neuromuscular fatigue etiology dependent on muscle mass? – Principal Supervisor.
7. 09/2016-02/2017. Matheus Aguiar (Pontificia Universidade Católica do Paraná, Brazil): Effects of foot strike patterns on plantar flexor muscles fatigue – Principal Supervisor.

6. 04/2016-09/2016. Aldo Savoldelli (University of Rovereto, Italy): Fatigue in hypoxia revisited – Principal Supervisor.
5. 02/2016-08/2016. Mirco Floreani (University of Udine, Italy): Effects of aerobic training in fatigue etiology – Principal Supervisor.
4. 01/2016-08/2016. Thibault Besson (University of Saint-Etienne, France): Comparison between whole-body and tendon vibration on muscle neuromechanical properties in aging populations – Principal Supervisor.
3. 07/2015-08/2015. Emma Gibney (Biomedical Mechanical Engineering, Carleton University) – Principal Supervisor.
2. 03/2015-09/2015. Matthieu Martin (Ecole Centrale de Lyon, France): Comparison between upper and lower limbs fatigue and corticospinal excitability– Principal Supervisor.
1. 04/2015-10/2015. Arthur Peyrard (University of Chambéry, France): Anticipation of magnetic and electrical stimuli does not impair maximal voluntary force production – Principal Supervisor.

Research funding

Total funding in Career: 4,415,700 €

On-going Grants (Awarded)

8. Funding Source: Carnot TSN 2023

Program Name: Annual call for research proposals

Title: Validation of an on-field dynamometer to assess fatigue

Nominated Principal Applicant: Guillaume MILLET

Total Amount: 10,000 €

Support Period: 09/2022-08/2023

7. Funding Source: Association pour l'aide à la recherche sur la sclérose en plaques (ARSEP)

Program Name: Annual Call (Research Grant & Associated Fellowship)

Title: The role of tailored physical activity in reducing fatigue among patients with multiple sclerosis: face-to-face vs. remote at-home approaches.

Nominated Principal Applicant: Guillaume MILLET

Total Amount: 103,300 €

Support Period: 09/2022-12/2023

6. Funding Source: AFM-Telethon

Program Name: Annual Call

Title: Testing a tailored Home Exercise program to Gain insight into performance fatigability and Reduce fatigue In Patients with FSHD: THE GRIP on FSHD study

Nominated Principal Applicant: Nicole VOET

Role: Co-investigator

Total Amount: 249,224 €

Support Period: 12/2022-12/2024

5. Funding Source: French National Research Agency
Program Name: 5th Call for proposals RHU
Title: SMA Muscle Atrophy Remediative Therapy
Nominated Principal Applicant: Laurent SCHAEFFER
Role: Co-investigator
Total Amount: 333,000 €
Support Period: 04/2022-12/2026

4. Funding Source: Institut Universitaire de France
Program Name: Membre Senior
Title: Understanding and treating fatigue: from acute exercise to chronic fatigue in clinical populations
Nominated Principal Applicant: Guillaume MILLET
Total Amount: 75,000 €
Support Period: 10/2019-09/2024

3. Funding Source: Fondation pour l'Université de Lyon
Program Name: Fonds de soutien à l'ESR de Saint-Etienne Métropole
Title: Selfit project
Nominated Principal Applicant: Guillaume MILLET
Total Amount: 45,000 €
Support Period: 11/2021-03/2023

2. Funding Source: AG2R La Mondiale (France)
Program Name: Sponsorship
Title: Cardiovascular and neuromuscular responses to exercise throughout the adult lifespan
Nominated Principal Applicant: Guillaume MILLET
Total Amount: 132,000 €
Support Period: 09/2020-08/2023

1. Funding Source: Jean Monnet University, Saint-Etienne (France)
Program Name: PhD scholarship
Title: Foot-ankle complex strength: pedestal for a physically healthy ageing?
Nominated Principal Applicant: Jean-Benoit MORIN
Role: Co-PI
Total Amount: 89,600 €
Support Period: 09/2020-08/2023

Completed

38. Funding Source: Jean Monnet University, Saint-Etienne (France)
Program Name: Annual call for research proposals

Title: Selfit project
Nominated Principal Applicant: Guillaume MILLET
Total Amount: 7,000 €
Support Period: 01/2022-12/2022

37. Funding Source: Jean Monnet University, Saint-Etienne (France)
Program Name: PhD scholarship
Title: Development of a mobile physical capacities self-assessment station and personalized monitoring: health benefits
Nominated Principal Applicant: Guillaume MILLET
Total Amount: 89,600 €
Support Period: 09/2019-08/2022

36. Funding Source: IDEXLYON
Program Name: Fellowship
Title: Understanding and treating fatigue: from acute exercise to chronic fatigue in clinical populations
Nominated Principal Applicant: Guillaume MILLET
Total Amount: 1,160,750 €
Support Period: 09/2018-12/2022

35. Funding Source: Thuasne
Program Name: Industry contract
Title: Comparison of plastic versus carbon foot ankle orthosis to improve gait and reduce fatigue in post-stroke patients: a biomechanical and neurophysiological study.
Nominated Principal Applicant: Jérémy ROSSI
Role: Co-PI
Total Amount: 52,900 €
Support Period: 09/2019-12/2022

34. Funding Source: Amer Sports
Program Name: Industry contract
Title: Interaction between vibration damping and morphological and functional characteristics of the runner: implications for fatigue and construction of the footwear
Nominated Principal Applicant: Jérémy ROSSI
Role: Co-PI
Total Amount: 160,000 €
Support Period: 09/2019-08/2022

33. Funding Source: IDEXLYON
Program Name: Program Covid-19
Title: Chronic fatigue etiology and recovery in Covid-19 patients: the role of fatigability
Nominated Principal Applicant: Guillaume MILLET
Total Amount: 100,000 €

Support Period: 06/2020-05/2021

32. Funding Source: Foundation of the Jean Monnet University, Saint-Etienne (France)

Program Name: Grant

Title: Development of a mobile physical capacities self-assessment station and personalized monitoring: health benefits

Nominated Principal Applicant: Jérémy ROSSI

Role: Co-PI

Total Amount: 18,000 €

Support Period: 01/2020-12/2020

31. Funding Source: Ramsey Générale de Santé

Program Name: Industry contract

Title: Improvement of neuromuscular function, fatigue and quality of life by optimizing muscle strength and nutrition in colorectal cancer: a pilot study

Nominated Principal Applicant: Laurent GERGELE

Role: Co-PI

Total Amount: 80,000 €

Support Period: 01/2019-12/2021

30. Funding Source: Faculty of Kinesiology, University of Calgary

Program Name: Dean's scholarship

Title: Extreme fatigue and performance in ultramarathon

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$100,000

Support Period: 09/2016-08/2020

29. Funding Source: Jean Monnet University

Title: Internationalization of Master EOPS

Nominated Principal Applicant: Guillaume MILLET

Total Amount: 3,000 €

Support Period: 01/2019-12/2019

28. Funding Source: Jean Monnet University

Program Name: 2019 call for projects

Title: The role of neuromuscular function in chronic fatigue in long term treated Intensive Care Units patients

Nominated Principal Applicant: Jérôme MOREL

Role: Co-PI

Total Amount: 10,000 €

Support Period: 01/2019-12/2019

27. Funding Source: Aide à la REcherche médicale de proximité

Title: Characterisation of chronic fatigue in long term treated Intensive Care Units patients: role of muscle function

Nominated Principal Applicant: Pascal INFANTINO

Role: Co-PI

Total Amount: 5,000 €

Support Period: 01/2019-12/2019

26. Funding Source: NSERC (Natural Sciences and Engineering Research Council of Canada)

Program Name: Discovery Grants

Title: Understanding the causes of fatigue in whole-body exercises in normoxia and hypoxia

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$175,000

Support Period: 07/2016-06/2021

25. Funding Source: University of Calgary

Program Name: Cumming School of Medicine - Clinical Research Fund

Title: Fatigue in multiple sclerosis

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$25,000

Support Period: 11/2016-10/2018

24. Funding Source: Canadian Cancer Society Research Institute

Program Name: Innovation Grant

Title: Factors causing fatigue and exhaustion in whole-body exercises: Application to rehabilitation in patients with cancer

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$170,986

Support Period: 08/2016-02/2019

23. Funding Source: Faculty of Kinesiology, University of Calgary

Program Name: Seed Grant

Title: Fatigue in multiple sclerosis

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$50,000

Support Period: 09/2016-08-2018

22. Funding Source: Canada Foundation for Innovation (CFI)

Program Name: John R. Evans Leaders Fund

Title: New methods to investigate neuromuscular and cardiovascular responses to exercise in cancer survivors and elderly

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$84,417

Support Period: 01/2016-12/2017

21. Funding Source: Anonymous Donation

Title: Understanding and treating fatigue in cancer patients

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$209,000

Support Period: 09/2015-08/2018

20. Funding Source: Salomon

Program Name: Industry contract

Title: Understanding physiology and biomechanics of uphill and downhill running

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$40,000

Support Period: 09/2014-06/2017

19. Funding Source: University of Savoy, Chambéry (France)

Program Name: Programme Présidence

Title: Neuromuscular & psychophysiological determinants of prolonged exercises in normoxia and hypoxia: from fatigue etiology to performance improvement

Nominated Principal Applicant: Thomas RUPP

Role: Co-applicant

Total Amount: €110,000

Support Period: 09/2014-08-2017

18. Funding Source: Jean Monnet University, Saint-Etienne (France)

Program Name: Ecole Doctorale Science Ingenierie Sante Doctoral Grant

Title: Effects of chronic tendon vibration on muscle neuromechanical properties

Nominated Principal Applicant: Thomas LAPOLE

Role: Co-applicant

Total Amount: €110,000

Support Period: 09/2014-08-2017

17. Funding Source: Faculty of Kinesiology, University of Calgary

Program Name: Start-up funds

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$240,000

Support Period: 09/2013-08-2016

16. Funding Source: French Government Defense procurement and technology agency

Program Name: PhD Scholarship

Title: Roles of autonomic and somatic nervous systems in physical and cognitive performances of soldiers in sleep deprivation

Nominated Principal Applicant: Guillaume MILLET

Total Amount: €110,000

Support Period: 09/2012-08-2015

15. Funding Source: Sport Science Association of Alberta

Program Name: Sport Science Grant

Title: The influence of VO₂ kinetics on neuromuscular fatigue in cycling

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$7,450

Support Period: 09/2014-08/2015

14. Funding Source: University of Calgary Research Grants Committee

Program Name: Seed grant

Title: Factors causing fatigue and exhaustion in whole-body exercises: methodological advances

Nominated Principal Applicant: Guillaume MILLET

Total Amount: \$15,000

Support Period: 09/2014-08/2015

13. Funding Source: Rhône-Alpes Region (France)

Title: Digital tools to improve public health

Nominated Principal Applicant: Guillaume MILLET

Total Amount: €5,000

Support Period: 01/2013-12/2013

12. Funding Source: Jean Monnet University, Saint-Etienne (France)

Program Name: Institut Fédératif de Recherche en Sciences et Ingénierie de la Santé

Title: Consequences of extreme exercises on autonomic and somatic nervous systems

Nominated Principal Applicant: Guillaume MILLET

Total Amount: €10,000

Support Period: 01/2012-12/2012

11. Funding Source: Hyperios

Program Name: Industry contract

Title: Biomechanical and energetic effects of running with maximized shoes

Nominated Principal Applicant: Guillaume MILLET

Total Amount: €11,000

Support Period: 01/2011-06-2012

10. Funding Source: French Ministry of Social Affairs and Health

Program Name: Hospital Clinical Research Program

Title: Exercise therapy in facioscapulohumeral dystrophy

Nominated Principal Applicant: Leonard FEASSON

Role: Co-Applicant

Total Amount: €98,200

Support Period: 01/2013-12/2014

9. Funding Source: French National Research Agency

Program Name: White Program

Title: The exercising brain: effects of hypoxia
Nominated Principal Applicant: Samuel VERGES
Role: Co-applicant
Total Amount: €420,000
Support Period: 09/2009-08/2012

8. Funding Source: French Muscular Dystrophy Association
Title: Exercise therapy in facioscapulohumeral dystrophy
Nominated Principal Applicant: Leonard FEASSON
Role: Co-applicant
Total Amount: €62,500
Support Period: 01/2009-12/2009

7. Funding Source: French Muscular Dystrophy Association
Title: Evaluation of neuromuscular dysfunction with magnetic stimulation of motor nerve
Nominated Principal Applicant: Guillaume MILLET
Total Amount: €30,000
Support Period: 01/2008-12/2008

6. Funding Source: Nike (USA)
Program Name: Industry contract
Title: The H-reflex to evaluate plantar flexors fatigue in runners
Nominated Principal Applicant: Guillaume MILLET
Total Amount: €4,500
Support Period: 01/2008-12/2008

5. Funding Source: Decathlon (France)
Program Name: Industry contract
Title: reduction of energy cost and muscle fatigue during loaded walking
Nominated Principal Applicant: Alain BELLI
Role: Co-applicant
Total Amount: €51,000
Support Period: 01/2005-12/2005

4. Funding Source: Springboost (Switzerland)
Program Name: Industry contract
Title: Influence of initial dorsiflexion on lower limbs EMG
Nominated Principal Applicant: Guillaume MILLET
Total Amount: €13,500
Support Period: 01/2004-12/2004

3. Funding Source: Compex (Switzerland) and Burgundy Region (France)
Program Name: Industry contract, PhD scholarship
Title: Electromyostimulation and recovery

Nominated Principal Applicant: Guillaume MILLET

Total Amount: €55,000

Support Period: 09/2001-08/2003

2. Funding Source: Burgundy Region (France)

Program Name: Low-frequency electromyostimulation and human performance

Nominated Principal Applicant: Guillaume MILLET

Total Amount: €29,000

Support Period: 01/2002-12/2002

1. Funding Source: Burgundy Region (France)




Program Name: Young researcher grant


Nominated Principal Applicant: Guillaume MILLET

Total Amount: €9,000

Support Period: 01/1999-12/1999

Teaching

Date	Univ	Status	Level	cursus	Course title	vol . h	Type	Eq. TD	# students	Total / year	
2020-2021 & 2021-2022	UJM	Full Prof	MSc	EOPS	Movement, equipment, environment	25	TD	25	12 to 17	67	IUF
			MSc	EOPS	Fatigue	8	CM	12	30 to 40		
			MSc	EOPS	English	30	TD	30	12 to 17		
2019-2020	UJM	Full Prof	MSc	EOPS	Movement, equipment, environment	25	TD	25	12	65	IUF
			MSc	EOPS	Fatigue	5	CM	7.5	30		
			BSc	ES	Prevention & health	2	CM	3	15		
			MSc	EOPS	English	30	TD	30	12		
2018-2019	UJM	Full Prof	MSc	EOPS	Movement, equipment, environment	30	TD	30	12	96	ActiFS Chair Dir. 
			MSc	EOPS	English	60	TD	60	12		
			BSc	ES	Recovery	6	TD	6	12		
2017-2018	Calgary	Full Prof	MKin		Advanced Exercise Physiology (KNES 673)	45	CM	67.5	10	135	Mkin Director 
			BSc		Exercise Physiology (KNES 373)	45	CM	67.5	170		
2015-2017	Calgary	Full Prof	Mkin		Advanced Exercise Physiology (KNES 673)	45	CM	67.5	10	180	Mkin Director 
			BSc		Exercise Physiology (KNES 373)	45	CM	67.5	165		
			MSc		Directed course (KNES 603): Fatigue	30	CM	45	3 to 5		

2014-2015	Calgary	Full Prof	MKin		Advanced Exercise Physiology (KNES 673)	45	CM	67.5	10	135	Mkin Director
			BSc		Exercise Physiology (KNES 373)	45	CM	67.5	160		
2013-2014	Calgary	Full Prof	BSc		Exercise Physiology (KNES 373)	45	CM	67.5	155	67.5	1 st yr in Calgary
2009-2013	Grenoble	Res.	/	/	/	/	/	/	/		No teaching (INSERM)
2004-2009	UJM	AP then Full Prof	BSc	Yr 1	Biomechanics	30	TD	30	25	~210/yr	
			BSc	Yr 2	Resistance training, XC skiing, MB	16	CM	24	25		
			BSc	Yr 2	Resistance training, XC skiing, MB	14	TD	14	25		
			BSc	Yr 3	Exercise Physiology	12	CM	18	35		
			BSc	Yr 3	Exercise Physiology	12	TD	12	35		
			MSc	ESSH	Training	25	CM	37.5	20		
			M1	ESSH	Motor control	20	CM	30	20		
			M1	ESSH	English	30	TD	30	20		
			M2R	ESSH	Fatigue, EMG	10	CM	15	30		
2001-2003	UB	AP	BSc	Yr 1	Ventilation	21	CM	31.5	400	~215/yr	
			BSc	Yr 1	Ventilation	20	TD	20	400		
			BSc	Yr 2	Exercise Physiology	22	CM	33	100		
			BSc	Yr 2	Exercise Physiology	18	TD	18	100		
			BSc	Yr 2	Sport, health, doping	27	CM	40.5	40		
			BSc	Yr 3	Lab energy exp.	18	TD	18	35		
			BSc	Yr 3	XC skiing	18	TD	18	35		
			BSc	Yr 3	Fatigue & recovery	11	TD	11	35		
			MSc		Altitude; Exercise in children, recovery	16	CM	24	20		
1998-2001	UB	AP	BSc	Yr 1	Muscle Physiology	16	CM	24	250	~230/yr	
			BSc	Yr 1	Muscle Physiology	33	TD	33	250		
			BSc	Yr 2	Exercise Physiology	30	CM	45	100		
			BSc	Yr 2	Exercise Physiology	18	TD	18	100		
			BSc	Yr 2	Sport, health, doping	27	CM	40.5	40		
			BSc	Yr 3	Lab energy exp.	18	TD	18	35		
			BSc	Yr 3	XC skiing	18	TD	18	35		
			BSc	Yr 3	Fatigue & recovery	11	TD	11	35		
			MSc		Altitude; Exercise in children, recovery	16	CM	24	20		
1997-1998	UFC	TP	BSc	Yr 2	Computer Science	20	TD	20	15	97	
			BSc	Yr 2	XC skiing, triathlon	52	TD/TP	52	25		
			MSc		Training	11	CM	16.5	20		

1996-1997	UFC	TP	MSc		Exercise in children	6	CM	9	15	67		
			BSc	Yr 2	Anatomy	27	TD/TP	27	20			
			BSc	Yr 2	Pedagogy	30	TD	30	6			
			BSc	TC	XC skiing	3	CM	4.5	30			
1995-1996	UFC	TP	MSc	ES	English	6	TD	6	15	67		
			BSc	Yr 2	XC skiing	20	TD/TP	20	20			
			BSc	Yr 3	XC skiing	15	TD/TP	15	25			
			MSc	ES	Resistance training	4	CM	6	18			
			MSc	ES	Internship follow-up	26	TD	26	18			

Teaching in English

MKin: Master of Kinesiology; BSc: Bachelor of Science, MSc: Master of Science; ES: training curriculum; TC: Core courses; PTR: Plein temps recherche; UJM: Jean Monnet University (St-Etienne); UB: University of Dijon; UFC: University of Besançon; IUF: Institut Universitaire de France; AE: Assistant/Associate Professor; Res.: full-time researcher; TP: temporary positions.

Other teaching activity (selection):

- Teaching related to trail and ultra-trail running: University Degree Besançon (4h in 2021-2022-2023); La Clinique du Coureur (Chamonix, 3h in August 2022), University Degree Poitiers (8 h in December 2022).
- Summer School MuSkLE, Lyon, July 26th, 2022: 1h
- Summer School Sport Physics and technology, Udine (Italy), September 20-21, 2022: 5 × 45 min
- Faculty of Medicine, Saint-Etienne and Besançon: health service, sport certificate for medical doctors: ~ 30h.

Public service/University service

Associate Editor Medicine & Science in Sports & Exercise (since 2022)

Academic Editor PLoS One (2019-2022)

Vice-Chair Research, Canadian Society for Exercise Physiology (2014-2016)

Director MKin program, Faculty of Kinesiology, University of Calgary (2014-2018).

Director MSc program « Exercise, Sport, Health, Disability » University Jean Monnet Saint-Etienne (2003-2009).

Member of the Biological Systems and Functions Evaluation Group, Natural Sciences and Engineering Research Council of Canada (2019-2023).

Member of the research committee of the Ultra-endurance Sports Science and Medicine organization (from 2010).

Manuscript Review

1. Acta Physiologica
2. American Journal of Physiology, Regulatory, Integrative and Comparative Physiology
3. Applied Physiology, Nutrition, and Metabolism
4. Annals of Physical and Rehabilitation Medicine
5. Archives of Physical Medicine and Rehabilitation

6. British Journal of Sports Medicine
7. Clinical Neurophysiology
8. Degenerative Neurological and Neuromuscular Disease
9. European Journal of Applied Physiology
10. European Journal of Physiology
11. European Journal Sports Sciences
12. Expert Review of Neurotherapeutics
13. Footwear Science
14. Frontiers in Physiology
15. International Journal of Sports Medicine
16. International Journal of Sports Physiology and Performance
17. Journal of Aging and Physical Activity
18. Journal of Applied Biomechanics
19. Journal of Applied Physiology
20. Journal of Experimental Biology
21. Journal of the Neurological Sciences.
22. Journal of Physiology
23. Journal of Science and Medicine in Sport
24. Journal of Sport and Health Science
25. Journal of Sports Medicine
26. Kinesiology Slovenica
27. Medicine & Science in Sports & Exercise
28. Muscle and Nerve
29. Neurology
30. Neuromuscular Disorders
31. Physiology International - Acta Physiologica Hungarica
32. PLoS One
33. Research in Sports Medicine
34. Respiratory Care
35. Scandinavian Journal of Medicine and Science in Sports
36. Science et Motricité
37. Science et Sports
38. Scientific Data
39. Sleep Medicine
40. Sports Medicine
41. Sports Medicine Open
42. Wilderness & Environmental Medicine

Grant review

- Call for proposals ESR 2022 Nouvelle-Aquitaine Region (France), 2022
- Zukunftskolleg (Institute for Advanced Study), University of Konstanz (Germany), 2022
- Swiss National Science Foundation, 2021
- Mitacs, Canada, 2017, 2021

- Université Libre de Bruxelles, Belgium, 2020
- Multiple Sclerosis Research Australia, 2020
- The Academy of Medical Sciences, United Kingdom, 2019
- Fonds de dotation Agir pour les Maladies Chroniques, France, 2019
- Swiss National Science Foundation, 2019
- Medical Research Council, United Kingdom, 2018
- Natural Sciences and Engineering Research Council of Canada, 2018 (× 2 applications)
- AFM-TELETHON, Trampoline Grant, 2017
- Fonds de Recherche en Santé Respiratoire Fondation du Souffle, 2017
- Natural Sciences and Engineering Research Council of Canada, 2017
- Calgary Centre for Clinical Research, 2016
- Unity through Knowledge Fund, Croatia, 2015
- French Ministry of Sports, 2014
- Fund for Scientific Research, Belgium, 2012
- Netherlands Organization for Scientific Research, 2007
- Biotechnology and Biological Sciences Research Council, United Kingdom, 2011
- French National Institute for Medical Research, 2011

External Examiner

Application for promotion

7. Jeanne Dekerle, University of Brighton, UK, 2022.
6. Julien Louis, Liverpool John Moores University, UK, 2019
5. Dr Jeremiah Peiffer, Murdoch University, Western Australia, 2017
4. Dr Michael Behringer, German Sport University Cologne, Germany, 2017
3. Dr David Simard, University of New South Wales, Sydney, Australia, 2016
2. Dr Reed Ferber, University of Calgary, Canada, 2016
1. Dr Tamara Hew-Butler, Oakland University, USA, 2013

HDRs¹/Doctor of Science

19. Damien Bachasson (Paris, 2022), examiner
18. Maria Papiordanidou (Dijon, 2022), examiner
17. Pierpaolo Iodice (Rouen, 2022), examiner
- 16. Frank Marino (University of Western Australia, Perth, Australia, 2021), reviewer**
15. Thomas Hureau (Strasbourg, 2020), reviewer
14. Frédérique Hintzy (Chambéry, 2019), reviewer
13. Fabrice Verduyssen (Toulon, 2018), reviewer
12. Marc Jubeau (Nantes, 2018), examiner
11. Gaël Guilhem (Paris, 2017), reviewer

¹ *In the French system, the Habilitation à diriger des recherches (HDR) is a necessary certification to act as a primary research supervisor. The process involves the submission of a thesis-type manuscript explaining past and current research as well as the candidate's vision for her/his future research and engagement. The oral defense is similar to a PhD.*

10. Vincent Martin (Clermont-Ferrand, 2015), examiner
9. Erick Dousset (Marseille, 2014), examiner
8. Grégory Blain (Lille, 2012), reviewer
7. Mounir Chennaoui (Paris, 2011), examiner
6. Grégory Dupont (Lille, 2011), reviewer
5. Samuel Vergès (Grenoble, 2010), examiner
4. François Hug (Nantes, 2009), reviewer
3. Caroline Nicol (Marseille, 2009), reviewer
2. Thierry Bernard (Toulon, 2008), reviewer
1. Fabrice Prieur (Liévin, 2007), reviewer

PhDs

(International students in bold)

- 60. Malin Jonsson Kårström (Mid Sweden University, Östersund, 2023), examiner**
59. Loic Espeit (Saint-Etienne, 2023), examiner
58. Elyse Hucteau (Strasbourg, 2022), reviewer
57. Lucas Garbellotto (Besançon, 2022), examiner and chair
- 56. Daniel Mckeown (Griffith University, Australia, 2022), reviewer**
- 55. Borja Martinez (University of Kent, UK, 2022), examiner**
54. Arnaud Hays (Marseille, 2021), examiner
53. Pierre Clos (Dijon, 2021), examiner
52. Giorgio Varesco (St-Etienne, 2021), examiner
- 51. Cassio Victoria Ruas (Perth, Australia, 2021), reviewer**
50. Martin Chartogne (Le Mans, 2021), reviewer
49. Jérôme Perez (Paris, 2021), reviewer
48. Anis Aloulou (Paris, 2020), reviewer
- 47. Paul Ansdell (Newcastle, UK, 2020), reviewer**
46. Stéphane Vermand (Reims, 2019), examiner
- 45. Harrison Finn (Sydney, Australia, 2019), reviewer**
44. Mtibaa Khoulood (Lyon, 2018), reviewer
43. Sabine Birnbaum (Paris, 2018), reviewer
42. Yoann Garnier (Dijon, 2018), reviewer
41. Guillaume Lecrocq (Nice, 2017), reviewer
- 40. Patrick Ciechanski (Calgary, 2017), internal-external examiner**
- 39. Sarah Kenny (Calgary, 2017), internal-external examiner**
38. Pascal Balducci (Lyon, 2017), reviewer
37. Thibault Lussiana (Besançon, 2016), reviewer
- 36. Jillian Johnson (Calgary, 2016), external examiner**
- 35. Moritz Schumann (Jyväskylä, Finland, 2015), preliminary examiner**
34. Sebastian Garcia Vicencio (Clermont-Ferrand, 2015), reviewer
33. Marlene Giandolini (Chambéry, 2015), examiner
- 32. Sarah Hartman (Calgary, Canada, 2015), examiner**

31. Steffen Vangsgaard (Aalborg University, Denmark, 2014), reviewer

30. Cyril Genevois (Lyon, 2013), reviewer
29. Elisabeth Petit (Besançon, 2013), reviewer
28. Christopher Easthope (Nice, 2013), reviewer
27. Samuel Rota (Lyon, 2013), examiner
26. Damien Bachasson (Grenoble, 2012), examiner
25. Jordane Grenier (Saint-Etienne, 2012), examiner and chair
24. Hervé Assadi (Dijon, 2012), examiner and chair
23. Nicolas Turpin (Nantes, 2012), examiner
22. Vincent Payen (Toulon, 2011), examiner
- 21. Stuart Goodall (London, 2010), reviewer**
20. Boris Matkowski (Dijon, 2010), examiner
19. Yann Le Meur (Paris, 2010), reviewer
18. Mathieu Gruet (Toulon, 2010), reviewer
17. Nicolas Decorte (Grenoble, 2009), examiner and chair
16. Romain Lericollais (Caen, 2009), reviewer
15. Florent Lebon (Lyon, 2009), examiner and chair
14. Thomas Rupp (Montpellier, 2008), reviewer
13. Sébastien Boyas (Nantes, 2007), reviewer
12. David Rouffet (Lyon, 2007), examiner and chair
11. Jean-Pierre Pouilly (St-Etienne, 2007), examiner and chair
10. Kevin Desbrosses (Dijon, 2006), examiner
9. Frédéric Garrandes (Nice, 2006), reviewer
8. Raphaël Zory (Chambéry, 2006), reviewer
7. Isabelle Vivodzev (Grenoble, 2006), reviewer
6. Anne-Fabienne Huffenus (Chambéry, 2005), reviewer
5. Francis Degache (St-Etienne, 2005), examiner and chair
4. Nicolas Fabre (Besançon, 2005), reviewer
3. Guillaume Sarre (Dijon, 2004), examiner
- 2. Jörg Fuchslocher (Lausanne, 2003), reviewer**
1. Gilles Ravier (Besançon, 2003), reviewer

Medicine theses

4. Camille Francou (Saint-Etienne, 2022), examiner
3. Pascal Infantino (Saint-Etienne, 2021), external examiner
2. Nicolas Thierry (Saint-Etienne, 2020), external examiner
1. Line Moncelon (Saint-Etienne, 2020), external examiner

Candidacy exams

2. Sarah Kenny (Calgary, PhD), internal external examiner.
1. Veronica Guadagni (Calgary, MSc), external examiner

PhD and MSc Supervisory Committee member

16. PhD student Mael Descollonges: Muscle electrostimulation and rehabilitation: towards an optimization of the technique to maximize the benefits on physical and cognitive health, University of Burgundy, 2021-2024 (Supervisors: Gaelle Deley and Julien Brugniaux)

15. PhD student Eric Piveteau, Interrelationships between fatigue-exercise intensity-recovery and motor imagery training, University of Lyon 1, 2021-2024 (Supervisors: Aymeric Guillot and Franck Di Rienzo)

14. PhD student Elyse Hucteau: Pathoplasticity of Neuromuscular Fatigue in Breast Cancer Patients: Central and Peripheral Mechanisms of Exercise and Counter-Effects of Training, University of Strasbourg, 2019-2022 (Supervisors: Fabrice Favret and Thomas Hureau)

13. PhD student Loïc Lebesque: Neuromuscular deconditioning-reconditioning colon cancer patients: biological mechanisms and role of resistance training, University of Burgundy, 2019-2022 (Supervisors: Patrick Manckoundia and Gil Scaglioni)

12. PhD student Anthony Birat: Effects of triathlon and adventure race on cardiac and neuromuscular fatigue in young populations. Clermont-Ferrand University, 2019-2022 (Supervisors: Sébastien Ratel and Stéphane Nottin)

11. PhD student Martin Chartogne: Interest of neuromuscular fatigue measurement on evaluation and understanding of cancer-related fatigue, Le Mans Université, 2017-2020 (Supervisors: Baptiste Morel and Abdel Rahmani)

10. PhD student Anis Aloulou: Elite athlete's sleep: from stress due to exercise to optimization of recovery strategies, Université Paris-Saclay, 2016-2020 (Supervisors: Mathieu Nedelec, Claire Thomas-Junius et François Duforez)

9. PhD student Danilo Ianetta: Chronic effects of Sprint Interval Training (SIT) on VO₂ kinetics and vascular responsiveness. A novel training approach based on a dose-response relationship. University of Calgary 2015-2019 (Supervisor: Juan Murias)

8. MSc student Tessa Gallinger: Muscle length Adaptations to Training in Cerebral Palsy, University of Calgary 2016-2018 (Supervisor: Brian MacIntosh)

7. PhD student Perse Greco-Otto: Underwater treadmill and horses: Understanding the effects of speed and water level on workload, developing protocols, and conditioning equine athletes, University of Calgary 2016-2019 (Supervisor: Renaud Leguilette)

6. PhD student Fatemeh Aslazadeh: Endurance testing of Paraspinal and external oblique muscles during trunk rotation in Adolescent Idiopathic Scoliosis and healthy subjects, University of Alberta and University of Calgary 2013-2017 (Supervisor: Eric Parent)

5. MSc student Lisa Geck: Role of Ca Sensitivity in Mechanism of Muscle Fatigue, University of Calgary 2015-2017 (Supervisor: Brian MacIntosh)

4. MSc student Sarah Benson: An Investigation of Sleep Parameters in Young Adults with Autism Spectrum Disorder and the Effect of High-intensity Exercise, University of Calgary, 2014-2016 (Supervisors: Penny Werthner and Margaret Clarke)

3. PhD student Cyril Genevois: Effets de l'entraînement sur la performance en coup droit et l'hypersollicitation du membre supérieur en tennis, Université de Lyon 2010-2013 (Supervisors: Isabelle Rogowski and Christophe Hautier)

2. PhD student Sebastian Garcia Vicencio: Effets de l'obésité et du type d'activité physique sur la plasticité de la fonction neuromusculaire chez l'adolescente, Université de Clermont Ferrand 2012-2015 (Supervisors: Vincent Martin and Sebastien Ratel)

1. MSc student Jessica O'Connell: A Decrease in Anaerobic Energy Contribution is Responsible for the Slow Component of Oxygen Uptake University of Calgary 2013-2015 (Supervisor: Brian MacIntosh)

Chairman in several international congresses (ECSS Salzburg, Clermont-Ferrand, EISCSA)

Member of the scientific committees ACAPS Nantes 2015, Dijon 2017, Paris 2019

Member of the scientific committee Ultra Sports Science Foundation, from 2016

Chair of the scientific committee of the EISCSA congress (European Interdisciplinary Society for clinical and sports applications), Saint-Etienne, 2010.

Faculty of Sport Sciences *Recruitment & Selection Committees*:

Lyon, Associate Professor, 2021 (× 3)

Lille, Professor, 2021

Strasbourg, Associate Professor, 2020

Toulouse, Associate Professor, 2020

Calgary, Assistant-Professor in Exercise Physiology, Faculty of Kinesiology, 2018

Calgary, Assistant-Professor in Exercise Physiology, Faculty of Kinesiology, 2017

Calgary, Assistant-Professor in Exercise Physiology, Faculty of Medicine, 2016

Calgary, MKin Program, 2014 to 2018

Chambéry, Associate Professor, 2013

Nice, Associate Professor #1, 2013

Nice, Associate Professor #2, 2013

St-Etienne, Associate Professor, 2012

Nantes, Associate Professor, 2011

St-Etienne, Professor, 2011

Clermont-Ferrand, Professor, 2010

Chambéry, Professor, 2010

St-Etienne, Associate Professor, 2009 (chair of the committee)

Orléans, Associate Professor, 2007

Caen, Associate Professor, 2005

Awards

Senior member, Institut Universitaire de France, 2019-2024.

Fellowship IDEXLYON, 2018-2021

Prime d'excellence scientifique (= scientific excellence award in French universities), Université de Sainte-Étienne, 2009-2013.

Prime d'encadrement doctoral (= scientific and doctoral supervision excellence award in French universities), Université de Sainte-Étienne, 2008-2009.

Prime d'encadrement doctoral (= scientific and doctoral supervision excellence award in French universities), Université de Dijon, 2000-2009.

Young Investigators Award, First Annual Congress of European College of Sport Science, Nice (France), May 28-31, 1996

Publications

1. International journals with peer review

*: represents trainees under my supervision.

308. Beaume JB, Di Domenico H, Bowen M, Hintzy F, Millet GY, Pageaux B, Debevec T, Rupp T. Neuromuscular fatigue during cycling at a fixed level of perceived effort: effects of different hypoxic methods. *J Physiol*, under review.
307. Gauld C, Francou C, Millet GY, Kern L, Gergel  L. A symptom network analysis of exercise addiction and personality on ultra-marathon runners with serious complications. *Int J Sport Exerc Psychol*, in revision.
306. *Roma E, Michel A, Tourillon R, Millet GY, Morin JB. Reliability and measurement error of a maximal voluntary toe plantarflexion measurement process. *Foot Ankle Int*, under review.
305. Francou C, Vallier S, Bouscaren N, Millet GY, Gergel  L. When an ultramarathon ends in the intensive care unit: a case series of 21 patients. *J Intensive Care*, under review.
304. *Le Mat F, G ry M, *Besson T, Ferdynus C, *Bouscaren N, Millet GY. Running endurance in women compared to men: retrospective analysis of matched real-world big data. *Sports Med* 53(4): 917-926, 2023 (IF: 11.9).
303. Espeit L, Gravholt A, Rozand V, Gondin J, Millet GY, Maffiuletti NA, Lapole T. Effects of conventional vs. wide-pulse neuromuscular electrical stimulation training. Part I: Isometric strength gains and neuromuscular adaptations, Preparing for submission.
302. Millet GY, Bertrand M, Lapole T, F asson L, Rozand V, Hupin D. Measuring objective fatigability and autonomic dysfunction in clinical populations: how and why? *Front Sports Act Living* 5: 1140833; 2023.
301. *Royer N, *Brownstein CG, *Kennouche D, Espeit L, Teston A, Boutet C, F asson L, Camdessan  JP, Millet GY. A comprehensive evaluation of multiple sclerosis-related fatigue with a special focus on fatigability. *Med Sci Sports Exerc*, in press (IF: 6.3).
300. *Le Mat Y, *Casali C, *Le Mat F, F asson L, Foschia C, G ry M, Rossi J, Millet GY. Self-autonomous evaluation station and personalized training algorithm to improve quality of life and physical capacities in sedentary adults. *J Med Internet Res*, under review.
299. *Vernillo G, *Aguiar M, *Savoldelli A, *Martinez A, Giandolini M, Horvais N, Edwards WB, Millet GY. Effects of foot strike pattern on the neuromuscular function during a prolonged graded run. Preparing for submission.
298. *Azevedo R, Fleitas-Paniagua P, Trpcic M, Iannetta D, Aboodarda SJ, Millet GY, Murias JM. Different ramp-incremental slopes elicit similar $\dot{V}O_2\text{max}$ and fatigability profiles in females and males despite differences in peak power output. *J Appl Physiol* in press (IF: 3.9).
297. Fillon A, Vanhelst J, Genin P, Larras B, Tardieu M, Porcherie M, Luiggi M, Aubert S, Verdot C, Rey O, Lhuisset L, Bois J, Millet GY, Duclos M, Thivel D. 2022 French Report Card on Physical Activity and Sedentary Behaviors in children and youth: from continuous alarming conclusions to encouraging initiatives. *J Phys Act Health*, under review.

296. Ridard J, Rozand V, Millet GY, Lapole T. On-field low-frequency fatigue measurement after an eccentric exercise with the Myocene[®]. *Front Physiol* 13: 1039616, 2022.
295. *Sabater Pastor F, Tomazin K, Verney J, Féasson L, Millet GP, Millet GY. VO₂max and velocity at VO₂max play a role in ultradistance trail running performance. *Int J Sports Physiol Perform* 18(3): 300-305, 2023 (IF: 4.2).
294. *Royer N, Coates K, Aboodarda SJ, Camdessanché JP, Millet GY. How is neuromuscular fatigability affected by perceived fatigue and disability in people with multiple sclerosis? *Front Neurol* 13: 983643, 2022 (IF: 4.0).
293. *Besson T, *Sabater Pastor F, Varesco G, *Berthet M, *Kennouche D, Dandrieux PE, Rossi J, Millet GY. Elite vs experienced male and female trail runners: comparing running economy, biomechanics, strength and power. *J Strength Cond Res* 37(1): 181-186, 2023 (IF: 4.4).
292. Espeit L, Lapole T, Millet GY, Rozand V, Nicola Maffiuletti NA. Wide-pulse electrical stimulation of the quadriceps allows greater maximal evocable torque than conventional stimulation. *Eur J Appl Physiol*, in press.
291. *Perrin TP, Rossi J, Kerhervé HA, Millet GY. Increasing shoe longitudinal bending stiffness is not beneficial to reduce energy cost during graded running, *Int J Sports Physiol Perform* 18(2): 209-212, 2023 (IF: 4.2).
290. Varesco G, Lapole T, *Royer N, *Singh B, *Parent A, Féasson L, Millet GY, Rozand V. Performance fatigability during isometric vs. concentric quadriceps fatiguing tasks in men and women. *J Electromyogr Kinesiol* 67: 102715, 2022 (IF: 2.4).
289. Kishi A, Millet GY, Desplan M, Lemarchand B, *Bouscaren N. Sleep and ultramarathon: a cross-sectional study of habits, strategies, and repercussions among 1,154 finishers of the Grand Raid of Reunion Island, *Eur J Sport Sci*, in revision.
288. Lloria-Varela J, *Besson T, Varesco G, Espeit L, *Kennouche D, Delattre N, Millet GY, Morio C, Rossi, J. Running pattern changes after a 38-km trail running race: does shoe fatigue play a role? *Footwear Science* 14:3, 185-197, 2022.
287. Varesco G, *Luneau E, Millet GY, Féasson L, Lapole T, Rozand V. Age-related differences between old and very old men in performance and fatigability are evident after cycling but not isometric or concentric single-limb tasks, *Med Sci Sports Exerc*, in revision (IF: 6.3).
286. Zhang J, *Khassestarash A, Millet GY, Aboodarda SJ. Neuromuscular fatigue associated with different pacing strategies during an ultra-endurance pull-up task: a case study. *Int J Exerc Sci* 15(3): 1514-1527, 2022.
285. Espeit L, Luneau E, Brownstein CG, Gondin J, Millet GY, Rozand V, Maffiuletti N, Lapole T. Acute effects of conventional vs. wide-pulse neuromuscular electrical stimulation on quadriceps evoked torque and neuromuscular function. *Scand J Med Sci Sports*, in press (IF: 4.2).
284. *Rimaud D, Espeit L, Le Mat F, Cudel C, Micol O, Chaigneau C, Lapole T, Millet GY. Fatigue in the French adult population: associations to age, gender, socioeconomic status, and physical activity. *BMC Public Health*, under review.

283. *Kennouche D, Varesco G, Espeit L, Féasson L, Souron R, Rozand V, Millet GY, Lapole T. Acute effects of quadriceps muscle versus tendon prolonged local vibration on force production capacities and central nervous system excitability, *Eur J Appl Physiol* 122(11): 2451-2461, 2022 (IF: 3.6).
282. Coudy-Gandilhon C, Gueugneau M, Chambon C, Taillandier D, Combaret L, Polge C, Millet GY, Féasson L, Béchet D. A single bout of ultra-endurance exercise reveals early signs of muscle aging in master athletes, *Int J Mol Sci* 23(7): 3713, 2022 (IF: 5.9).
281. *Brownstein CG, *Sabater Pastor F, *Mira J, Murias JM, Millet GY. Power output manipulation from below to above the gas exchange threshold results in exacerbated performance fatigability. *Med Sci Sports Exerc* 54(11): 1947-1960, 2022 (IF: 6.3).
280. *Royer N, Duboeuf M, Camdessanché JP, Millet GY. Prevalence of fatigue and its explicative variables among PwMS. *NeuroRehabilitation* 51(3): 509-517, 2022 (IF: 2.0).
279. *Play MC, Ravel A, Millet GY, Giandolini M, Rossi J. Treadmill running: how long before biomechanics reaches a steady state? *Footwear Sci*, under review.
278. *Sabater Pastor F, *Faricier R, *Metra M, Murias JM, *Brownstein CG, Millet GY. Changes in cost of locomotion are higher after endurance cycling than running when matched for intensity and duration. *Med Sci Sports Exerc* 55(3): 389-397, 2023 (IF: 6.3).
277. *Perrin TP, Morio CYM, *Besson T, Kerhervé HA, Millet GY, J. Rossi J. Comparison of skin and shoe marker placement on metatarsophalangeal joint kinematics and kinetics during running. *J Biomech* 146: 111410, 2023 (IF: 2.8).
276. Fouré A, *Besson T, Stauffer E, Skinner S, Féasson L, Connes P, Hautier C, Millet GY. Sex-related differences and effects of short and long trail running races on resting muscle-tendon mechanical properties. *Scand J Med Sci Sports* 32(10):1477-1492, 2022 (IF: 4.2).
275. Best R, Best AW, Lane AM, Berger N, Bearden S, Wilson P, Millet GY, Barwood M, Marcora S, Stellingwerff T, Gayter S. Limits of Ultra: Towards an interdisciplinary understanding of ultra-running performance. *Sports Med*, under review.
274. *Play MC, Trama R, Millet GY, Hautier C, Giandolini M, Rossi J. Soft Tissue Vibrations in Running: A Narrative Review. *Sports Med Open* 8(1): 131, 2022 (IF: 4.5).
273. Espeit L, Rimaud D, Le Mat F, Cudel C, Micol I, Bertoletti L, Chaigneau C, Millet GY, Lapole T. Fatigue, physical activity and quality of life in people self-reporting symptoms of chronic venous disease: a French web-based survey. *J Vasc Surg Venous Lymphat Disord* 10(5): 1147-1154, 2022 (IF: 4.9).
272. *Twomey R, *Lavigne C, *Martin T, Culos-Reed N, Millet GY. Cardiopulmonary exercise testing for the measurement of maximal oxygen uptake in people with cancer-related fatigue: a retrospective analysis, *Eur J Appl Physiol*, under review (IF: 3.3).
271. Trama R, Blache Y, Hintzy F, Rossi J, Millet GY, Hautier C. Does neuromuscular fatigue generated by trail running modify foot impact and soft-tissue vibrations? *Eur J Sports Sci*, in press (IF: 4.1).

270. *Azevedo R, Forot J, Iannetta D, Aboodarda SJ, Millet GY, Murias JM. Time course of performance fatigability during exercise below, at, and above the critical intensity in females and males. *Med Sci Sports Exerc* 54(10): 1665-1677, 2022 (IF: 6.3).
269. Millet GY, *Kennouche D, Foschia C, *Brownstein CG, Gondin J, Lapole T, *Rimaud D, *Royer N, Thierry G, Gauthier V, Oujamaa L, Sorg M, Vergès S, Doutreleau S, Marillier M, Prudent M, Bitker L, Féasson L, Gergelé L, Stauffer E, Guichon C, Morel J. Cardiorespiratory Fitness and Neuromuscular Function of Mechanically Ventilated ICU COVID-19 Patients. *Crit Care Med* 50 (11): 1555-1565, 2022 (IF: 9.3). **This article was chosen for an editorial comment in the same journal.**
268. *Brownstein C, *Twomey R, *Temesi J, *Medysky ME, Culos-Reed SN, Millet GY. Mechanisms of performance fatigability in people with cancer-related fatigue, *Med Sci Sports Exerc* 54(8):1355-1363, 2022 (IF: 6.3).
267. *Khassetarash A, *Baggaley M, *Vernillo G, Millet GY, Edwards WB. The repeated bout effect influences lower-extremity biomechanics during a 30-min downhill run. *Eur J Sports Sci* 23(4): 510-519, 2023 (IF: 4.0).
266. Azevedo R, Forot J, Millet GY, Murias JM. Comparing muscle $\dot{V}O_2$ derived from near-infrared spectroscopy desaturation rate to pulmonary $\dot{V}O_2$ during cycling exercise below, at and above the maximal lactate steady state. *J Appl Physiol* 132(3):641-652, 2022 (IF: 3.9).
265. *Azevedo RA, Jazayeri D, Yeung ST, Khoshreza R, Millet GY, Murias JM, Aboodarda SJ. The effects of pain induced by blood flow occlusion in one leg on exercise tolerance and corticospinal excitability and inhibition of the contralateral leg. *Appl Physiol Nutr Metab* 47(6):632-648, 2022 (IF: 3.0).
264. Morel J, Infantino P, Gergelé L, Lapole T, *Souron R, Millet GY. Prevalence of self-reported fatigue in intensive care unit survivors 6 months to 5 years after discharge. *Sci Rep* 12(1): 5631, 2022 (IF: 5.0).
263. Coulondre C, *Souron R, Rambaud A, Dalmais E, Espeit L, Neri T, Pinaroli A, Estour G, Millet GY, Rupp T, Féasson L, Edouard P, Lapole T. Local vibration training improves the recovery of quadriceps strength in early rehabilitation after anterior cruciate ligament reconstruction: a feasibility randomized controlled trial. *Ann Phys Rehabil Med*, 65(4): 101441, 2022 (IF: 5.4).
262. *Brownstein CG, *Metra M, *Sabater Pastor F, *Faricier R, Millet GY. Disparate mechanisms of fatigability in response to prolonged running versus cycling of matched intensity and duration. *Med Sci Sports Exerc* 54(5): 872-882, 2022 (IF: 6.3).
261. *Sabater Pastor F, *Besson T, *Berthet M, Varesco G, *Kennouche D, Dandrieux PE, Rossi J, Millet GY. Elite road vs. trail runners: comparing economy, biomechanics, strength, and power. *J Strength Cond Res* 37(1):181-186, 2023 (IF: 4.4).
260. Nicot F, *Sabater-Pastor F, Samozino P, Millet GY, Rupp T. Effect of ground technicity on cardio-respiratory and biomechanical parameters in uphill trail running. *Eur J Sports Sci* 12:1836-1846, 2022 (IF: 4.1).

259. *Besson T, Macchi R, Rossi J, Morio C, Kunimasa Y, Nicol C, Vercauysen F, Millet GY. Sex differences in endurance running. *Sports Med* 52(6): 1235-1257, 2022 (IF: 11.1).
258. *Khassestarash A, *Vernillo G, *Krüger R, Edwards WB, Millet GY. Neuromuscular, biomechanical, and energetic adjustments following repeated bouts of downhill running. *J Sport Health Sci* 11(3): 319-329 (IF: 7.2).
257. *Brownstein CG, *Twomey R, *Temesi J, *Wrightson JG, Martin T, *Medysky ME, Culos-Reed SN, Millet GY. Physiological and psychosocial correlates of cancer-related fatigue. *J Cancer Surviv* 16: 1339-1354, 2022 (IF: 4.1).
256. *Azevedo R, Keir DA, Forot J, Iannetta D, Millet GY, Murias JM. The effects of exercise intensity and duration on the relationship between the slow component of $\dot{V}O_2$ and peripheral fatigue. *Acta Physiol* 234: e13776, 2022 (IF: 7.5).
255. Dowd AJ, Kronlund L, Warbeck C, Parmar C, Daun JT, Wytsma-Fisher K, Reimer RA, Millet GY, Fung T, Culos-Reed SN. Effects of a 12-week HIIT + group mediated cognitive behavioural intervention on quality of life among inactive adults with coeliac disease: findings from the pilot MOVE-C study. *Psychol Health* 37(4): 440-456, 2022 (IF: 3.1).
254. *Sabater Pastor F, *Besson T, Varesco G, *Parent A, Fanget M, Koral J, Foschia C, Rupp T, Rimaud D, Féasson L, Millet GY. Performance Determinants in Trail-Running Races of Different Distances. *Int J Sports Physiol Perform* 17(6): 844-851, 2022 (IF: 4.2).
253. Alcantara RS, Edwards WB, Millet GY, Grabowski AM. Predicting continuous ground reaction forces from accelerometers during uphill and downhill running: A recurrent neural network solution. *PeerJ* 10: e12752, 2022 (IF: 3.1).
252. Koral J, Fanget M, Imbert L, *Besson T, *Kennouche D, *Parent A, Foschia C, Rossi J, Millet GY. Fatigue measured in dynamic vs. isometric modes after trail running races of various distances. *Int J Sports Physiol Perform* 17(1):67-77, 2022 (IF: 4.2).
251. Millet GP, Seiler S, Millet GY. The opportunities and obstacles of translating elite sport research to public health. *Br J Sports Med* 56(2):64-65, 2022 (IF: 18.5).
250. *Baggaley M, Derrick TR, *Vernillo G, Millet GY, Edwards WB. Internal tibial forces and moments during graded running. *J Biomech Eng* 144(1):011009, 2022 (IF: 6.3).
249. *Twomey R, Yeung S, *Wrightson J, Sung L, Robson P, Millet GY, Culos-Reed N. Including people with fatigue: a systematic review and meta-analysis of physical activity after cancer treatment. *CiK* 1(3), 2021 (IF: 1.4).
248. *Bouscaren N, *Faricier R, Millet GY, Racinais S. Heat acclimatization, cooling strategies, and hydration during an ultra-trail in warm and humid conditions. *Nutrients* 13(4): 1085, 2021 (IF: 5.7).
247. Blazeovich AJ, Collins DF, Millet GY, Vaz MA, Maffiuletti, NA. Enhancing Adaptations to Neuromuscular Electrical Stimulation Training Intervention. *Exerc Sport Sci Rev* 49(4): 244-252, 2021 **This article was chosen for an editorial comment in the same journal** (IF: 6.2).

246. *Brownstein CG, Espeit L, *Royer N, Ansdell P, Škarabot J, Souron R, Lapole T, Millet GY. Reductions in motoneuron excitability during sustained isometric contractions are dependent on stimulus and contraction intensity. *J Neurophysiol* 125(5): 1636-1646, 2021 (IF: 2.7).
245. *Kennouche D, *Luneau E, Lapole T, Morel J, Millet GY, Gondin J. Bedside voluntary and evoked forces evaluation in Intensive care unit patients: a narrative review. *Crit Care* 5(1): 157, 2021 (IF: 9.0).
244. Fournier B, Nicolas-Virelizier E, Russo C, Pérol O, Millet GY, Maire A, Delrieu L, Gilis L, Terret C, Michallet M, Fervers B. Individualised physical activity programme in patients over 65 years with haematological malignancies (OCAPI): protocol for a single-arm feasibility trial. *BMJ Open* 11(6):e046409, 2021 (IF: 2.7).
243. Temesi J, *Besson T, *Parent A, *Singh B, Martin V, *Brownstein CG, Espeit L, Rimaud D, *Royer N, Lapole T, Féasson L, Millet GY. Effect of race distance on performance fatigability in male trail and ultra-trail runners. *Scand J Med Sci Sports* 31(9): 1809-1821, 2021 (IF: 4.2).
242. *Besson T, *Parent A, *Brownstein CG, Espeit L, Lapole T, Martin V, *Royer N, *Rimaud D, *Sabater Pastor F, *Singh B, Varesco G, Rossi J, Temesi J, Millet GY. Sex differences in neuromuscular fatigue and changes in cost of running after mountain trail races of various distances. *Med Sci Sports Exerc* 53(11): 2374-2387, 2021 (IF: 5.4).
241. Skinner S, Nader E, Stauffer E, Robert M, Boisson C, Cibiel A, Foschia C, Féasson L, Robach P, Millet GY, Connes P. Differential impacts of trail and ultra-trail running on cytokine profiles: an observational study. *Clin Hemorheol Microcirc* 78(3): 301-311, 2021 (IF: 2.4).
240. *Azevedo R, Forot J, Iannetta D, MacInnis MJ, Millet GY, Murias JM. Slight power output manipulations around the maximal lactate steady state have an impact on fatigue in females and males. *J Appl Physiol* 130(6): 1879-1892, 2021 (IF: 3.5)
239. Espeit L, Rozand V, Millet GY, Gondin J, Maffiuletti N, Lapole T. Influence of wide-pulse neuromuscular electrical stimulation frequency and superimposed vibration on extra-torque characteristics. *J Appl Physiol* 131(1):302-312, 2021 (IF: 3.5).
238. *Brownstein CG, *Rimaud D, *Singh B, Micklewright D, Millet GY. French translation and validation of the Rating-of-Fatigue Scale. *Sports Med Open* 7(1): 25, 2021 (IF: 4.8).
237. Tiller NB, Elliott-Sale KJ, Knechtle B, Wilson PB, Roberts JD, Millet GY. Do sex-differences in physiology predispose females to success in ultra-endurance sport? *Sports Med* 51(5): 895-915, 2021 (IF: 11.1).
236. Varesco G, *Royer N, *Singh B, *Parent A, Féasson L, Lapole T, Millet GY, Rozand V. Reliability and agreement of a dynamic quadriceps incremental test for the assessment of neuromuscular function. *J Electromyogr Kinesiol* 56: 102503, 2021 (IF: 2.4).
235. *Azevedo R, Milioni F, Murias JM, Bertuzzi R, Millet GY. Dynamic changes of performance fatigability and muscular O₂ saturation during a 4-km cycling time trial, *Med Sci Sports Exerc* 53(3):613-623, 2021 (IF: 5.4).

234. *Sabater Pastor F, Varesco G, *Besson T, *Koral J, Féasson L, Millet GY. Degradation of energy cost with fatigue induced by trail running: effect of distance. *Eur J Appl Physiol* 21(6):1665-1675, 2021 (IF: 3.1).
233. Espeit L, *Brownstein C, *Royer N, *Besson T, Martin V, Millet GY, Lapole T. Central fatigue aetiology in prolonged trail running races. *Exp Physiol* 106: 663–672, 2021 (IF: 3.0).
232. *Vernillo G, Khassetarash A, Millet GY, *Temesi J. Use of transcranial magnetic stimulation to assess relaxation rates in unfatigued and fatigued knee-extensor muscles, *Exp Brain Res* 239(1):205-216, 2021 (IF: 2.0).
231. *Martin T, *Twomey R, *Medysky M, *Temesi J, Culos-Reed S.N, Millet GY. The Relationship between Fatigue and Actigraphy-Derived Sleep and Rest-Activity Patterns in Cancer Survivors. *Curr Oncol* 28: 1170–1182, 2021 (IF: 3.7).
230. Warbeck C, Dowd AJ, Kronlund L, Parmar C, Daun JT, Wytsma-Fisher K, Millet GY, Reimer RA, Fung T, Culos-Reed SN. Feasibility and Effects on the Gut Microbiota of a 12-Week High Intensity Interval Training plus Lifestyle Education Intervention on Inactive Adults with Celiac Disease. *Appl Physiol Nutr Metab* 46(4): 325-33, 2021 (IF: 2.7).
229. Marillier M, Rupp T, Bouzat P, Walther G, Millet GY, Robach P, Verges S. Cerebral Haemodynamics and Oxygenation During Whole-Body Exercise Over 5 Days at High Altitude, *Exp Physiol* 106(1):65-75, 2021 (IF: 3.0).
228. Legros V, Denolly S, Vogrig M, Bosonn B, Siret E, Rigaille J, Pillet S, Grattard F, Gonzalo S, Verhoeven P, Allatif O, Berthelot P, Péliissier C, Thierry G, Botelho-Nevers E, Millet GY, Morel J, Paul S, Walzer T, Cosset FL, Bourlet T, Pozzetto B. A longitudinal study of SARS-CoV-2 infected patients shows 1 high correlation between neutralizing antibodies and COVID-19 severity. *Cell Mol Immunol* 18(2):318-327, 2021 (IF: 11.5).
227. *Brownstein CG, Millet GY, Thomas K. Neuromuscular responses to fatiguing locomotor exercise. *Acta Physiol* 231(2): e13533, 2021 (IF: 6.3).
226. *Miloni F, *Azevedo RA, Zagatto AM, Millet GY. Time-course of recovery after repeated sprints in cycling. *Med Sci Sports Exerc* 53(2): 413–420, 2021 (IF: 5.4).
225. Bertuzzi R, Silva-Cavalcante MD, Couto PG, *de Almeida Azevedo R, Coelho DB, Zagatto A, Lima-Silva AE, Millet GY. Prior upper body exercise impairs 4-km cycling time-trial performance without altering neuromuscular function. *Res Q Exerc Sport* 92(1): 52-62, 2021 (IF: 2.5).
224. Pavailler S, Hintzy F, Millet GY, Horvais N, Samozino P. Glide Time Relates to Mediolateral Plantar Pressure Distribution Rather Than Ski Edging in Ski Skating. *Front Physiol* 2: 117, 2020 (IF: 4.6).
223. *Krüger RL, Peyrard A, di Domenico H, Rupp, Millet GY, Samozino P. Optimal Load for a Torque-Velocity Relationship Test during Cycling. *Eur J Appl Physiol* 120(11): 2455-2466, 2020 (IF: 3.1).

222. *Souron R, Morel J, Gergel  L, Infantino P, *Brownstein C, Lapole T, Millet GY. Relationship between intensive care unit-acquired weakness, fatigability and chronic fatigue: what role for the central nervous system? *J Crit Care* 62:101-110, 2020 (IF: 3.4).
221. *Brownstein CG, Espeit L, *Royer N, Lapole T, Millet GY. Fatigue-induced change in short-interval intracortical inhibition and silent period duration using stimulus intensities evoking maximal versus submaximal responses. *J Appl Physiol* 129(2):205-217, 2020 (IF: 3.5).
220. *Brownstein CG, Dagu net E, Guyotat D, Millet GY. Chronic Fatigue in Myelodysplastic Syndromes: Looking Beyond Anaemia. *Crit Rev Oncol Hematol* 154: 103067, 2020 (IF: 6.3).
219. *Froyd C, Beltrami FG, Millet GY, MacIntosh BR, Noakes TD. Greater short-time recovery of peripheral fatigue after short compared with long duration time-trial. *Front Physiol* 11: 399, 2020 (IF: 4.6).
218. *Singh B, Hayes SC, Spence RR, Steele ML, Gergel  L, Millet GY? Exercise and colorectal cancer: a systematic review and meta-analysis of exercise safety, feasibility and effectiveness, *Int J Behav Nutr Phys Act* 17(1): 122, 2020 (IF: 6.4).
217. Robert M, Stauffer E, Nader E, Skinner S, Boisson C, Cibiel A, F asson L, Renoux C, Robach P, Joly P, Millet GY, Connes P. Impact of trail running races on blood viscosity and its determinants: effects of distance, *Int J Mol Sci* 21: 8531, 2020 (IF: 5.9).
216. *Lavigne C, *Twomey R, Lau H, Francis G, Culos-Reed SN, Millet GY. Feasibility of eccentric overloading and neuromuscular electrical stimulation to improve muscle strength and muscle mass after treatment for head and neck cancer, *J Cancer Surviv* 14(6): 790-805, 2020 (IF: 4.4).
215. *Khassetarash A, *Vernillo G, *Martinez A, *Baggaley M, Giandolini M, Horvais N, Edwards WB, Millet GY. Biomechanics of graded running: Part II-Joint kinematics and kinetics. *Scand J Med Sci Sports* 30(9):1642-1654, 2020 (IF: 4.2).
214. *Vernillo G, *Martinez A, *Baggaley M, *Khassetarash A, Giandolini M, Horvais N, Edwards WB, Millet GY. Biomechanics of Graded Running: Part I - Stride Parameters, External Forces, Muscle Activations, and their Interactions with Speed. *Scand J Med Sci Sports* 30(9):1632-1641, 2020 (IF: 4.2).
213. *Besson T, Rossi J, Marechal M, Leroux Mallouf T, Doutreleau S, Verg s S, Millet GY. Neuromuscular fatigue and recovery after a single vs multi-stage mountain race of the same distance. *Med Sci Sports Exerc* 52(8): 1691–1698, 2020 (IF: 5.4).
212. *Vernillo G, *Aguiar M, *Salvodelli A, *Martinez A, Giandolini M, Horvais N, Edwards WB, Millet GY. Regular Changes in Foot Strike Pattern During Prolonged Downhill Running Do Not Influence Neuromuscular, Energetics, or Biomechanical Parameters. *Eur J Sport Sci* 20(4): 495–504, 2020 (IF: 4.0).
211. *Koral J, *Oranchuk DJ, *Wrightson J *Twomey R, Millet GY. Mechanisms of fatigue and recovery in unilateral versus bilateral maximal voluntary contractions. *J Appl Physiol* 128(4): 785-794, 2020 (IF: 3.5).

210. *Twomey R, Yeung ST, *Wrightson JG, Millet GY, Culos-Reed N. Post-Exertional Malaise in People with Chronic Cancer-Related Fatigue, *J Pain Symptom Manage*, 60(2): 407-416, 2020 (IF: 3.6).
209. *Coates K, *Aboodarda SJ, *Krüger R, Jarvis S, Metz L, Millet GY. Multiple sclerosis-related fatigue: the role of impaired corticospinal responses and heightened exercise fatigability. *J Neurophysiol* 124(4): 1131-1143, 2020 (IF: 2.7).
208. *Oranchuk DJ, *Koral J, *Ribeiro da Mota G, *Twomey R, Millet GY. Effect of blood flow occlusion on neuromuscular fatigue following sustained maximal isometric contraction. *Appl Physiol Nutr Metab* 45(7): 698-706, 2020 (IF: 2.7).
207. *Krüger RL, *Aboodarda SJ, *Jaimes LM, MacIntosh BR, Vaz MA, Samozino P, Millet GY. Age-Related Neuromuscular Fatigue and Recovery after Cycling: Measurements in Isometric and Dynamic Modes. *Exp Gerontol* 133: 110877, 2020 (IF: 4.0).
206. *Vernillo G, *Temesi J, *Martin M, *Krüger R, Millet GY. Spinal contribution to neuromuscular recovery differs between elbow-flexor and knee-extensor muscles after a maximal sustained fatiguing task. *J Neurophysiol* 124(3): 763-773, 2020 (IF: 2.7).
205. *Souron R, Voirin AC, Millet GY, Rupp T, Lapole T. Task failure during sustained low-intensity contraction is not associated with a critical amount of central fatigue, *Scand J Med Sci Sports* 30(12):2329-2341, 2020 (IF: 4.2).
204. *Baggaley M, *Vernillo G, Horvais N, Giandolini M, Millet GY, Edwards WB. Step Length and Grade Effects on Energy Absorption and Impact Attenuation in Running, *Eur J Sports Sci* 20(6): 756-766, 2020 (IF: 4.0).
203. *Wrightson JG, *Twomey R, Yeung S, Millet GY. No Effect of tDCS of the Primary Motor Cortex on Isometric Exercise Performance or Perceived Fatigue. *Eur J Neurosci* 52: 2905–2914, 2020 (IF: 3.4).
202. *Mira J, *Floreani M, *Savoldelli A, *Amery K, *Koral J, *Oranchuk D, Messonnier L, Rupp T, Millet GY. Neuromuscular Fatigue of Cycling Exercise in Hypoxia. *Med Sci Sports Exerc* 52(9): 1888-1899, 2020 (IF: 5.4).
201. *Lavigne C, Lau H, Francis G, Culos-Reed SN, Millet GY, *Twomey R. Neuromuscular function and fatigability in people diagnosed with head and neck cancer before versus after treatment. *Eur J Appl Physiol* 120(6): 1289-1304, 2020. **This article was chosen for an editorial comment in the same journal** (IF: 3.1).
200. Place N, Millet GY. Quantification of neuromuscular fatigue: what do we do wrong and why? *Sports Med* 50: 439–447, 2020 (IF: 11.1).
199. *Aboodarda SJ, Iannetta D, *Emami N, *Varesco G, Murias JM, Millet GY. Pre-induced fatigue and concurrent muscle pain elicit distinct effects on exercise tolerance, neuromuscular performance, and corticospinal excitability of locomotor muscles. *J Physiol* 598 (2): 285-302, 2020 (IF: 5.2).

198. *Brownstein CG, *Souron R, *Royer N, *Singh B, Lapole T, Millet GY. Disparate kinetics of change in responses to electrical stimulation at the thoracic and lumbar level during fatiguing isometric knee extension. *J Appl Physiol* 128 (1): 159-167, 2020 (IF: 3.5).
197. *Wrightson JG, Zwedie E, Kuo C, Millet GY, Kirton A. Fatigue in children with perinatal stroke: clinical and neurophysiological associations. *Dev Med Child Neurol* 62 (2): 234-240, 2020 (IF: 5.4).
196. Matta GG, Bossi AH, Millet GY, Lima P, de Lima JP, Hopker JG. Influence of a slow-start on overall performance and running kinematics during 6-h ultramarathon races. *Eur J Sport Sci* 20(3): 347-356, 2020 (IF: 4.0).
195. *Souron R, Baudry S, Millet GY, Lapole T. Vibration-induced depression in spinal loop excitability revisited, *J Physiol* 597(21): 5179-5193, 2019 (IF: 4.9).
194. *Bouscaren N, Millet GY, Racinais S. Thermoregulatory challenges in marathon vs ultramarathon. *Front Sport Active Living* 1: 59, 2019.
193. Millet GY. Let's all play with the same rules. *Eur J Appl Physiol* 119(9): 2121-2122, 2019 (IF: 3.1).
192. *Temesi J, *Vernillo G, *Martin M, *Krüger R, McNeil CJ, Millet GY. Sustained maximal voluntary contractions elicit different neurophysiological responses in upper- and lower-limb muscles in men. *Neuroscience* 422: 88-98, 2019 (IF: 3.2).
191. Hohl R, de Rezende FN, Millet GY, da Mota GR, Marocolo M. Blood cardiac biomarkers responses are associated with 24 h ultramarathon performance. *Heliyon* 5: e01913, 2019 (IF: 1.6).
190. *Azevedo R, Cruz R, Couto P, Silva-Cavalcante MD, Boari D, Lima-Silva AE, Millet GY, Bertuzzi R. Characterization of performance fatigability during a self-paced exercise. *J Appl Physiol*, 127(3):838-846, 2019 (IF: 3.3).
189. Nicolas M, Martinent G, Millet GY, Bagneux V, Gaudino M. Time Courses of Emotions Experienced after a Mountain Ultra-Marathon: Does Emotional Intelligence Matter? *J Sports Sci* 37(16):1831-1839, 2019 (IF: 2.8).
188. Dowd AJ, Kronlund L, Parmar C, Daun JT, Wytmsa-Fisher K, Reimer RA, Millet GY, Culos-Reed SN. A 12-week Pilot Exercise Program for Inactive Adults with Celiac Disease: Study Protocol. *Glob Adv Health Med* 8: 1-12, 2019 (IF: 3.2).
187. *Aboodarda SJ, *Zhang XY, *Cline M and Millet GY. Exercise-induced fatigue in one leg does not impair the neuromuscular performance in the contralateral leg but improves the excitability of the ipsilateral corticospinal pathway. *Brain Sci* 9: 250, 2019 (IF: 2.8).
186. *Aboodarda SJ, *Fan S, *Coates K, Millet GY. The short-term recovery of corticomotor responses and central fatigue in elbow flexors, *BMC Neuroscience* 20(1): 9, 2019 (IF: 2.2).
185. *Besson T, Morio C, Millet GY, Rossi J. Influence of shoe drop on running kinematics and kinetics in female runners. *Eur J Sport Sci* 19(10): 1320-1327, 2019 (IF: 2.9).

184. *Krüger R, *Aboodarda SJ, *James LB, Samozino P, Millet GY. Cycling Performed on an Innovative Ergometer at Different Intensities-Durations in Men: Neuromuscular Fatigue and Recovery Kinetics, *Appl Physiol Nutr Metab* 44 (12): 1320-1328, 2019 (IF: 2.5).
183. Krüger RL, Aboodarda SJ, Jaimes LM, MacIntosh BR, Samozino P, Millet GY. Fatigue and Recovery Measured with Dynamic Properties vs Isometric Force: Effects of Exercise Intensity, *J Exp Biol* 222: jeb197483, 2019 (IF: 3.0).
182. *Vernillo G, *Temesi J, *Martin M, Millet GY. Do aerobic characteristics explain isometric exercise-induced neuromuscular fatigue and recovery in upper and lower limbs? *J Sports Sci* 37(4):387-39, 2019 (IF: 2.7).
181. Gaudino M, Martinent G, Millet GY, Nicolas M. The Time Courses of Runners' Recovery-Stress Responses after a Mountain Ultra-Marathon: Do Appraisals Matter? *Eur J Sport Sci*. 19(7):876-884, 2019 (IF: 2.6).
180. *Souron R, Oriol M, Millet GY, Lapole T. Intermediate muscle length and tendon vibration optimize corticospinal excitability during knee extensors local vibration. *Front Physiol* 9:1266, 2018 (IF: 3.4).
179. Millet GY, Martin V, *Temesi J. The Role of the Nervous System in Neuromuscular Fatigue Induced by Ultra-Endurance Exercise, *Appl Physiol Nutr Metab* 43(11): 1151-1157, 2018 (IF: 2.0).
178. *Mira J, *Aboodarda SJ, *Floreani M, *Jaswal R, *Moon SJ, *Amery K, Rupp T, Millet GY. Effects of endurance training on neuromuscular fatigue - Part I: strength loss and muscle fatigue. *Eur J Appl Physiol* 118(11): 2281-2293, 2018 (IF: 2.4).
177. *Aboodarda SJ, *Mira J, *Floreani M, *Jaswal R, *Moon SJ, *Amery K, Rupp T, Millet GY. Effects of endurance training on neuromuscular fatigue - Part II: corticospinal excitability and voluntary activation. *Eur J Appl Physiol* 118(11): 2295-2305, 2018 (IF: 2.4).
176. *Twomey R, *Martin T, *Temesi J, Culos-Reed N, Millet GY. Individualized Exercise Interventions to Reduce Fatigue in Cancer Survivors: Design of a Randomized Controlled Trial, *BMC Cancer* 18:757, 2018 (IF: 3.3).
175. Firminger C, *Vernillo G, *Savoldelli A, Stefanyshyn D, Millet GY, Edwards WB. A Joint kinematics and ground reaction forces in overground versus treadmill graded running. *Gait Posture* 63:109-113, 2018 (IF: 2.3).
174. *Krüger R, *Aboodarda SJ, Samozino P, Rice CL, Millet GY. Isometric Force vs. Power Output Decreases with Fatigue: Does Age Matter? A Meta-analysis, *Med Sci Sports Exerc* 50(10): 2132-2144, 2018 (IF: 4.4).
173. *Martin T, *Arnal PJ, Hoffman MD, Millet GY. Sleep habits and strategies in ultramarathon runners, *PLOS One* 13(5): e0194705, 2018 (IF: 3.5).
172. *Vernillo G, Millet GP, Malatesta D, Millet GY. Inference of skeletal muscle oxidative capacity in ultra-endurance: an open research question [viewpoint comment]. *J Appl Physiol* 124(1): 249-255, 2018 (IF: 3.1).

171. Gergel  L, Venet F, Ravelojaona M, Morel J, F asson L, Hayman J, Villars-M echin A, Millet GY, Monneret G. Mountain ultra-marathon finishers exhibit marked immune alterations similar to those of severe trauma patients, *Intensive Care Med* 44(3): 382-383, 2018 (IF: 12.0).
170. *Aboodarda SJ, Greene RM, Philpott DT, *Jaswal R, Millet GY, Behm DG. The effect of rolling massage on the excitability of the corticospinal pathway, *Appl Physiol Nutr Metab* 43(4): 317-323, 2018 (IF: 2.0).
169. *Piuccio T, Soares R, Diefenthaler F, Millet GY, Murias JM. Oxygen Uptake and Muscle Deoxygenation Kinetics During Skating: Comparison Between Slide-Board and Treadmill Skating. *Int J Sports Physiol Perform* 13(6): 783-788, 2018 (IF: 2.6).
168. *Souron R, *Besson T, Lapole T, Millet GY. Neural adaptations in quadriceps muscle after 4 weeks of local vibration training in young versus older subjects. *Appl Physiol Nutr Metab* 43(5):427-436, 2018 (IF: 2.0).
167. *Koral J, *Oranchuk DJ, Herrera R, Millet GY. Six Sessions of Sprint Interval Training improves running performance in trained athletes, *J Strength Cond Res*, 32 (3): 617–623, 2018 (IF: 2.5).
166. *Mattioni Maturana F, *Peyrard A, *Temesi J, Millet GY, Murias JM. Faster $\dot{V}O_2$ kinetics after priming exercises of different duration but same fatigue. *J Sports Sci* 10: 1095-1102, 2018 (IF: 2.5).
165. *Doyle-Baker D, *Temesi J, *Medysky ME, Holash RJ, Millet GY. An Innovative Ergometer to Measure Neuromuscular Fatigue Immediately after Cycling. *Med Sci Sports Exerc* 50(2): 375-387, 2018 (IF: 4.5).
164. *Vernillo G, *Temesi J, *Martin M, Millet GY. Mechanisms of Fatigue and Recovery in Upper vs. Lower Limbs in Men, *Med Sci Sports Exerc* 50(2): 334-343, 2018 (IF: 4.5).
163. *Twomey R, Culos-Reed SN, Millet GY, Lau H. Fatigue following Head and Neck Cancer Radiotherapy: An unrecognized side effect of Modern Radiotherapy Techniques? *Transl Cancer Res* 6 (Suppl 9): S1471-S1475, 2017 (IF: 1.2).
162. Iannetta D, Qahtani A, Millet GY, Murias JM. Quadriceps Muscles O_2 Extraction and EMG Breakpoints during a Ramp Incremental Test. *Front Physiol* 8: 686, 2017 (IF: 4.1).
161. *Vernillo G, Millet GP, Millet GY. Does the running economy really increase after ultra-marathons? *Front Physiol* 8:783, 2017 (IF: 4.1).
160. *Souron R, *Besson T, McNeil, CJ, Lapole T, Millet GY. An Acute Exposure to Muscle Vibration Decreases Knee Extensors Force Production and Modulates Associated Central Nervous System Excitability, *Front Neurosci* 11: 519, 2017 (IF: 3.6).
159. *Souron R, Millet GY, *Besson T, Lapole T. Acute and chronic effects of muscle and tendinous local vibration, *Eur J Appl Physiol* 117(10):1939-1964, 2017 (IF: 2.1).
158. Marillier M, *Arnal PJ, Le Roux Mallouf T, Rupp T, Millet GY, Verges S. Effects of high-altitude exposure on supraspinal fatigue and corticospinal excitability and inhibition, *Eur J Appl Physiol* 117(8):1747-1761, 2017 (IF: 2.1).

157. *Mira J, Lapole T, *Souron R, Messonnier L, Millet GY, Rupp T. Cortical voluntary activation assessment methodology impacts central fatigue. *Eur J Appl Physiol* 117(9):1845-1857, 2017 (IF: 2.1).
156. *Temesi J, *Mattioni Maturana F, *Peyrard A, *Piuccio T, Murias JM, Millet GY. The relationship between oxygen uptake kinetics and neuromuscular fatigue in high-intensity cycling exercise, *Eur J Appl Physiol* 117(5):969-978, 2017 (IF: 2.1).
155. *Twomey R, *Aboodarda SJ, *Krüger R, Culos-Reed N, *Temesi J, Millet GY. Neuromuscular fatigue during exercise: methodological considerations, etiology and potential role in chronic fatigue, *Neurophysiol Clin*, 47(2): 95-110, 2017 (IF: 1.5).
154. *Medysky M, *Temesi J, Culos-Reed S.N, Millet GY. Exercise, Sleep and Cancer-Related Fatigue: are they related? *Neurophysiol Clin* 47(2): 111-122, 2017 (IF: 1.5).
153. Kerhervé HA, Samozino P, Descombe F, Pinay M, Millet GY, Pasqualini M, Rupp T. Calf Compression Sleeves Change Biomechanics but Not Performance and Physiological Responses in Trail Running. *Front Physiol* 8: 247, 2017 (IF: 4.1).
152. *Piuccio T, Diefenthaler F, Soares R, Murias JM, Millet GY. Validation of a maximal incremental skating test on slide board: comparison with treadmill skating, *Int J Sports Physiol Perform* 12(10):1363-1369, 2017 (IF: 3.0).
151. Bossi AH, Matta GG, Millet GY, Pertence¹ LC, Lima P, de Lima JP, Hopker JG. Pacing strategy during 24-hour ultramarathon-distance running, *Int J Sports Physiol Perform* 12(5): 590-596, 2017 (IF: 3.0).
150. *Giandolini M, Horvais N, Rossi J, Millet GY, Morin JB, Samozino P. Effects of the foot strike pattern on muscle activity and neuromuscular fatigue in downhill trail running, *Scand J Med Sci Sports* 27(8): 809-819, 2017 (IF: 3.0).
149. *Souron R, Farabet A, Millet GY, Lapole T. Eight weeks of local vibration training increases dorsiflexor muscle cortical voluntary activation, *J Appl Physiol* 22(6): 1504-1515, 2017 (IF: 3.1).
148. *Tomazin K, Morin JB, Millet GY. Etiology of Neuromuscular Fatigue After Repeated Sprints Depends on Exercise Modality. *Int J Sports Physiol Perform* 12(7):878-885, 2017 (IF: 3.0).
147. *Aboodarda SJ, Šambaher N, Millet GY, Behm DG. Knee extensors neuromuscular fatigue changes the corticospinal pathway excitability in biceps brachii muscle, *Neuroscience* 340:477-486, 2017 (IF: 3.3).
146. *Temesi J, *Ly SN, Millet GY. Reliability of single- and paired-pulse transcranial magnetic stimulation for the assessment of knee extensor muscle function in males and females, *J Neurol Sci* 375:442-449, 2017 (IF: 2.5).
145. Culos-Reed S.N, Leach HJ, Capozzi LC, Easaw J, Eves N, Millet GY. Exercise preferences and associations between fitness parameters, physical activity, and quality of life in high-grade glioma patients. *Support Care Cancer* 25(4): 1237-1246, 2017 (IF: 2.5).

144. *Vernillo G, *Giandolini M, Edwards WB, Morin JB, Samozino P, Horvais N, Millet GY. Biomechanics and Physiology of Uphill and Downhill Running, *Sports Med* 47(4): 615-629, 2017 (IF: 5.6).
143. *Jubeau M, *Rupp T, Perrey S, Wuyam B, Millet GY, Verges S. Neuromuscular fatigue during prolonged exercise in hypoxia, *Med Sci Sports Exerc* 49(3): 430-439, 2017 (IF: 4.0)
142. Giandolini M, *Vernillo G, Edwards WB, Morin JB, Samozino P, Horvais N, Millet GY. Fatigue Associated with Uphill and Downhill Running, *Eur J Appl Physiol* 116 (10): 1859-73, 2016 (IF: 2.3).
141. *Froyd C, Beltrami FG, Millet GY, Noakes TD. No critical threshold in peripheral fatigue at task failure for isometric trials. *Front Physiol* 7:627, 2016 (IF: 2.7).
140. *Bankolé LC, Millet GY, *Temesi J, Bachasson D, Ravelojaona M, Wuyam B, Verges S, Kadi F, Ponsot E, Antoine JC, Féasson L. Safety and Efficacy of a 6-month Home-Based Exercise Therapy in Individuals with Facioscapulohumeral Muscular Dystrophy: A Randomized, Controlled Trial, *Medicine*, 95(31): e4497, 2016 (IF: 5.7).
139. *Peyrard A, *Sawh P, *Fan S, *Temesi J, Millet GY. Anticipation of magnetic and electrical stimuli does not impair maximal voluntary force production, *Neurosci Lett* 628: 128–131, 2016 (IF: 2.1).
138. Girard O, Bula S, Faiss R, Millet GY, Millet GP. Does altitude level of a prior time-trial modify subsequent exercise performance in hypoxia and associated neuromuscular responses? *Physiol Rep* 4(14): e12804, 2016.
137. *Souron R, Farabet A, Millet GY, Lapole T. Reliability of the functional measures of the corticospinal pathways to dorsiflexor muscles during maximal voluntary contractions. *J Neurol Sci* 369: 368–374, 2016 (IF: 2.1).
136. Bachasson D, Decorte N, Millet GY, Wuyam B, Verges S. Central and peripheral quadriceps fatigue in young and middle-aged untrained and endurance-trained men: A comparative study, *Exp Biol Med* 241(16): 1844-52, 2016 (IF: 2.2).
135. Farabet A, *Souron R, Millet GY, Lapole T. Changes in tibialis anterior corticospinal properties after acute prolonged muscle vibration, *Eur J Appl Physiol* 116(6):1197-205, 2016 (IF: 2.2).
134. *Giandolini M, *Temesi J, Gimenez P, *Arnal PJ, Martin V, Rupp T, Morin JB, Samozino P, Millet GY. Effect of the Fatigue Induced by a 110-km Ultramarathon on Tibial Impact Acceleration and Lower Leg Kinematics, *PLOS One* 11(3): e0151687, 2016 (IF: 3.2).
133. Bachasson D, *Temesi J, Gruet M, Yokoyama K, Rupp T, Millet GY, Verges S. Transcranial Magnetic Stimulation Intensity affects Exercise-Induced changes in Corticomotoneuronal Excitability and Inhibition and Voluntary Activation. *Neuroscience* 314:125-33, 2016 (IF: 3.4).

132. *Giandolini M, Horvais N, Rossi J, Millet GY, Samozino P, Morin JB. Foot strike pattern affects differently the axial and transverse components of shock acceleration in downhill trail running, *J Biomech* 49(9): 1765-71, 2016 (IF: 2.75).
131. *Arnal PJ, Drogou C, Sauvet F, Dispersyn G, Faraut B, Millet GY, Leger D, Gomez-Merino D, Chennaoui M. Effect of sleep extension effect on the subsequent testosterone, cortisol and prolactin responses to total sleep deprivation and recovery. *J Neuroendocrinol*, 28 (2): 12346, 2016 (IF: 3.1).
130. *Arnal PJ, Lapole T, Erblang M, Guillard M, Bourrihlon C, Leger D, Chennaoui M, Millet GY. Sleep extension before sleep loss: effects on performance and neuromuscular function. *Med Sci Sports Exerc*, 48(8):1595-603, 2016. **This article was chosen for an editorial comment in the same journal** (IF: 4.5).
129. *Froyd C, Beltrami FG, Millet GY, Noakes TD. Central regulation and neuromuscular fatigue in exercise trials of different durations, *Med Sci Sports Exerc* 48(6): 1024-1032, 2016 (IF: 4.5).
128. *Giandolini M, Horvais N, Rossi J, Millet GY, Morin JB, Samozino P. Acute and delayed peripheral and central neuromuscular alterations induced by a short and intense downhill trail run. *Scand J Med Sci Sports* 26(11):1321-33, 2016 (IF: 3.0).
127. Degache F, Morin JB, Oehen L, Guex K, Giardini G, Schena F, Millet GY, Millet GP. Running mechanics during the World's most challenging mountain ultra-marathon. *Int J Sports Physiol Perform*, 11(5):608-14, 2016 (IF: 2.7).
126. *Kerherve H, Millet GY, Solomon C. The dynamics of speed selection and psycho-physiological load during a mountain ultramarathon. *PLOS One* 10(12): e0145482, 2015 (IF: 3.2).
125. *Arnal PJ, Sauvet F, Leger D, Van Beers P, Bayon V, Bougard C, Rabat A, Millet GY, Chennaoui M. Benefits of Sleep Extension on Sustained Attention and Sleep Pressure Before and During Total Sleep Deprivation and Recovery, *Sleep* 38(12): 1935-1943, 2015. **This article was chosen for an editorial comment** (IF: 5.1).
124. *Rupp T, Mallouf TL, Perrey S, Wuyam B, Millet GY, Verges S. CO₂ Clamping, Peripheral and Central Fatigue during Hypoxic Knee Extensions in Men. *Med Sci Sports Exerc* 47(12): 2513-2524, 2015 (IF: 4.5).
123. Morel B, Cléménçon M, Rota S, Millet GY, Rouffet DM, Bishop DJ, Brosseau O, Hauthier CA. Contraction velocity influences the magnitude and etiology of neuromuscular fatigue during repeated maximal contractions. *Scand J Med Sci Sports* 25(5):e432-441, 2015 (IF: 3.2).
122. Lapole T, *Temesi J, *Arnal PJ, Gimenez P, Petitjean M, Millet GY. Modulation of soleus corticospinal excitability during Achilles tendon vibration. *Exp Brain Res* 233(9):2655-2662, 2015 (IF: 2.2).

121. Neyroud D, *Temesi J, Millet GY, Verges S, Maffioletti NA, Kayser B, Place N. Comparison of electrical nerve stimulation, electrical muscle stimulation and magnetic nerve stimulation to assess the neuromuscular function of the plantar flexor muscles. *Eur J Appl Physiol* 115(7):1429-1439, 2015. (IF: 2.3).
120. *Temesi J, *Arnal PJ, *Rupp T, Féasson L, Cartier R, Gergelé L, Verges S, Martin V, Millet GY. Are females more resistant to extreme neuromuscular fatigue? *Med Sci Sports Exerc* 47(7):1372-1382, 2015 (IF: 4.5).
119. Goodall S, Thomas K, *Temesi J, Millet GY. Comment on the Viewpoint article by Hunter et al. 'The two-hour marathon: what's the equivalent for women?' *J Appl Physiol* 118: 1324-1325, 2015 (IF: 3.4).
118. Lapole T, *Temesi J, Gimenez P, *Arnal PJ, Millet GY, Petitjean M. Achilles tendon vibration-induced changes in plantar flexor corticospinal excitability. *Exp Brain Res* 233(2):441-448, 2015 (IF: 2.2).
117. Wüthrich TU, Marty J, *Kerherve H, Millet GY, Verges S, Spengler CM. Aspects of respiratory muscle fatigue in a mountain ultramarathon race. *Med Sci Sports Exerc* 47(3): 519-527, 2015 (IF: 4.5).
116. *Froyd C, Beltrami FG, Jensen J, Millet GY, Noakes TD. Potentiation and electrical stimulus frequency during self-paced exercise and recovery. *J Hum Kinet* 42: 91-101, 2014 (IF: 0.7)
115. *Rupp T, *Jubeau M, Lamalle L, Warnking J, Millet GY, Wuyam B, Esteve F, Levy P, Krainik A, Verges S. Cerebral volumetric changes induced by prolonged hypoxic exposure and whole-body exercise. *J Cereb Blood Flow Metab* 34(11): 1802-1809, 2014. (IF: 5.4)
114. Gruet M, *Temesi J, *Rupp T, Levy P, Vergès S, Millet GY. Dynamics of corticospinal changes during and after a high-intensity quadriceps exercise. *Exp Physiol* 99(8):1053-1064, 2014 (IF: 2.8).
113. Gruet M, *Temesi J, Brisswalter J, Millet GY, Vergès S. Stimulation magnétique transcranienne : Application à la physiologie de l'exercice. *Sci Sports* 29(4): 173-187, 2014. (IF: 0.4)
112. Gimenez P, *Arnal PJ, Samozino P, Millet GY, Morin JB. Simulation of incline treadmill running using additional horizontal force. *J Biomech* 47(10): 2517-2521, 2014 (IF: 2.7).
111. *Giandolini M, Poupard T, Gimenez P, Horvais N, Millet GY, Morin JB, Samozino P. A simple field method to identify foot strike pattern during running. *J Biomech* 47(7): 1588-1593, 2014 (IF: 2.7).
110. Hureau T, Olivier N, Millet GY, Meste O, Blain G. Exercise performance is regulated during repeated sprints to limit the development of peripheral fatigue beyond a critical threshold. *Exp Physiol* 99(7):951-963, 2014 (IF: 2.8). **This article has been selected by Editors of the Journal to be highlighted in the « Biomedical Basis of Elite Performance 2016 » virtual issue (December 7th, 2016).**

109. *Temesi J, Rupp T, Martin V, *Arnal PJ, Féasson L, Verges S, Millet GY. Central Fatigue Assessed by Transcranial Magnetic Stimulation in Ultratrail Running. *Med Sci Sports Exerc*, 46(6):1166-1175, 2014 (IF: 4.5). **This article was chosen for an editorial comment.**
108. *Jubeau M, *Rupp T, Perrey S, *Temesi J, Wuyam B, Levy P, Verges S, Millet GY. Changes in cortical voluntary activation during prolonged cycling exercise. *PLOS One* 9(2):e89157, 2014 (IF: 3.7).
107. Neyroud D, Vallotton A, Millet GY, Kayser B, Place N. The effect of muscle fatigue on stimulus intensity requirements for central and peripheral fatigue quantification. *Eur J Appl Physiol* 114(1): 205-215, 2014 (IF: 2.7).
106. *Temesi J, Gruet M, *Rupp T, Verges S, Millet GY. Resting and active motor thresholds versus stimulus-response curves to determine transcranial magnetic stimulation intensity in quadriceps femoris, *J NeuroEng Rehab* 11(1):40, 2014 (IF: 3.3).
105. Bachasson D, *Temesi J, *Bankolé C, Lagrange E, Boutte C, Millet GY, Verges S, Levy P, Féasson L, Wuyam B. Assesment of quadriceps strength, endurance and fatigue in FSHD and CMT: Benefits and limits of femoral nerve magnetic stimulation. *Clin Neurophysiol* 125: 396–405, 2014 (IF: 3.1).
104. Robach P, Vincent L, Boisson RC, Lundby C, Duthil E, Moutereau S, Michel N, Gergelé L, Féasson L, Millet GY. Hemolysis induced by an extreme mountain ultra-marathon is not associated with a decrease in total red blood cell volume. *Scand J Med Sci Sports*, 24(1):18-27, 2014 (IF: 3.2).
103. *Temesi J, *Arnal PJ, Davranche K, Bonnefoy R, Verges S, Millet GY. Does central fatigue explain reduced cycling after complete sleep deprivation? *Med Sci Sports Exerc* 45(12): 2243-2253, 2013 (IF: 4.5). **This article was chosen for an editorial comment.**
102. *Rupp T, Leti T, *Jubeau M, Millet GY, Bricout V, Levy P, Wuyam B, Perrey S, Verges S. Tissue deoxygenation kinetics induced by prolonged hypoxic exposure in healthy humans at rest. *J Biomed Opt* 18(9):095002, 2013 (IF: 2.9).
101. Neyroud D, Rüttimann J, Mannion A, Millet GY, Maffiuletti NA, Kayser B, Place N. Comparison of neuromuscular adjustments associated with sustained isometric contractions of four different muscle groups. *J Appl Physiol* 114(10):1426-1434, 2013 (IF: 3.5).
100. Saugy J, Place N, Millet GY, Degache F, Schena F, Millet GP. Alterations of neuromuscular function after the World most challenging mountain ultramarathon. *PLOS One*: 8(6): e65596, 2013 (IF: 3.7).
99. *Rupp T, *Jubeau M, Millet GY, Wuyam B, Levy P, Verges S, Perrey S. Muscle, Prefrontal and Motor Cortex Oxygenation Profiles during Prolonged Fatiguing Exercise. *Adv Exp Med Biol* 789:149-155, 2013 (IF: 1.4).
98. *Froyd C, Millet GY, Noakes T.D. The development of peripheral fatigue and short-term recovery during self-paced high-intensity exercise. *J Physiol (Lond)* 591(Pt 5):1339-1346, 2013 (IF: 4.4).

97. Bachasson D, Millet GY, Decorte N, Wuyam B, Levy P, Verges S. Quadriceps function assessment using an incremental test and magnetic neurostimulation: A reliability study. *J Electromyogr Kinesiol* 23(3):649-658, 2013 (IF: 1.6).
96. Gimenez P, *Kerhervé H, Messonnier L, Féasson L, Millet GY. Changes in the energy cost of running during a 24-h treadmill exercise. *Med Sci Sports Exerc* 45(9):1807-1813, 2013 (IF: 4.5).
95. Gruet M, *Temesi J, *Rupp T, Millet GY, Verges S. Effect of different approaches to target force on transcranial magnetic stimulation responses, *Muscle & Nerve* 48(3):430-432, 2013 (IF: 2.3).
94. Gruet M, *Temesi J, *Rupp T, Levy P, Millet GY, Verges S. Stimulation of the motor cortex and corticospinal tract to assess human muscle fatigue. *Neuroscience* 231:384-399, 2013 (IF 3.1).
93. Giandolini M, *Arnal PJ, Millet GY, Peyrot N, Samozino P, Dubois B, Morin JB. Impact reduction during running: efficiency of simple acute interventions in recreational runners. *Eur J Appl Physiol* 113(3):599-609, 2013 (IF: 2.7).
92. Vitiello D, Rupp T, Millet GY, Robach P, Bussière JL, Nottin S. Myocardial damages and left and right ventricular strains after an extreme mountain ultra-long duration exercise. *Int J Cardiol* 165(2):391-392, 2013 (IF: 7.8).
91. Degache F, Fourchet F, Morin JB, Guex K, Millet GP, *Tomazin K, Millet GY. Changes in running mechanics and spring-mass behaviour induced by a 5-hour hilly running bout. *J Sports Sci* 31(3):299-304, 2013 (IF: 2.1).
90. Bachasson D, Guinot M, Wuyam B, Favre-Juvin A, Millet GY, Lévy P, Verges S. Neuromuscular fatigue and exercise capacity in fibromyalgia syndrome, *Arthritis Care Res* 65(3):432-440, 2013 (IF: 4.9).
89. *Rupp T, *Jubeau M, Millet GY, Perrey S, Estève F, Wuyam B, Lévy P, Verges S. The effect of hypoxemia and exercise on acute mountain sickness symptoms. *J Appl Physiol* 114(2):180-185, 2013 (IF: 3.5).
88. Millet GY, Hoffman MD, Morin JB. Last Word on Viewpoint: Sacrificing economy to improve running performance - a reality in the ultramarathon? *J Appl Physiol* 113(3):513, 2012 (IF: 3.5).
87. *Rupp T, *Jubeau M, Wuyam B, Perrey S, Lévy P, Millet GY, Verges S. Time-dependent effect of acute hypoxia on corticospinal excitability in healthy humans, *J Neurophysiol* 108(5):1270-1277, 2012 (IF: 3.3).
86. Decorte N, Lafaix PA, Millet GY, Wuyam B and Verges S. Central and peripheral fatigue kinetics during exhaustive constant-load cycling. *Scand J Med Sci Sports* 22: 381-391, 2012 (IF: 3.2).
85. Millet GP, Millet GY. Ultramarathon is an outstanding model for the study of adaptive responses to extreme load and stress. *BMC Med* 10:77, 2012 (IF: 6.7).

84. Verges S, *Rupp T, *Jubeau M, Perrey S, Millet GY The neuromuscular function in normobaric versus hypobaric hypoxia. Point: counterpoint "Hypobaric hypoxia induces / does not induce different responses than normobaric hypoxia" *J Appl Physiol* 112(10):1789, 2012 (IF: 3.5).
83. Millet GY, Bachasson D, *Temesi J, Wuyam B, Féasson L, Verges S, Lévy P. Potential interests and limits of magnetic and electrical stimulation techniques to assess neuromuscular fatigue. *Neuromuscul Disord*, 22: S181-S186, 2012 (IF: 2.8).
82. Grenier JG, Millet GY, Peyrot N, Samozino P, Messonnier L, Morin JB. Effects of heavy load carriage for extreme duration on neuromuscular function and locomotion: a military-based study. *PLOS One* 7(8): e43586, 2012 (IF: 4.4).
81. Millet GY, Hoffman MD, Morin JB. Viewpoint: Sacrificing economy to improve running performance – a reality in the ultramarathon? *J Appl Physiol*, 113(3):507-509, 2012 (IF: 3.5).
80. Jamart C, Francaux M, Millet GY, Deldicque L, Frere D, Féasson L. Modulation of autophagy and ubiquitin-proteasome pathways during ultra-endurance running. *J Appl Physiol*, 112(9): 1529-1537, 2012 (IF: 3.5).
79. Millet GY, *Muthalib M, Jubeau M, Laursen P, Nosaka K. Severe hypoxia affects exercise performance independently of afferent feedback and peripheral fatigue. *J Appl Physiol*, 112(8): 1335-1344, 2012 (IF: 3.5).
78. Morin JB, *Tomazin K, Samozino P, Edouard P, Millet GY. High-intensity sprint fatigue does not alter constant-submaximal velocity running mechanics and spring-mass behavior, *Eur J Appl Physiol* 112(4):1419-1428, 2012 (IF: 2.7).
77. Fourchet F, Millet GP, *Tomazin K, Guex K, Nosaka K, Edouard P, Degache F, Millet GY. Effects of a 5-h hilly running on ankle plantar and dorsal flexor force and fatigability. *Eur J Appl Physiol* 112(7): 2645-2652, 2012 (IF: 2.7).
76. Verges S, *Rupp T, *Jubeau M, Wuyam B, Estève F, Perrey S, Millet GY. Cerebral perturbations during exercise in hypoxia. *Am J Physiol Regulatory Integrative Comp. Physiol* 302(8): R903-R916, 2012 (IF: 3.3).
75. Jubeau M, *Muthalib M, Millet GY, Maffiuletti NA, Nosaka K. Comparison in muscle damage between maximal voluntary and electrically evoked isometric contractions of the elbow flexors. *Eur J Appl Physiol* 112(2):429-438, 2012 (IF: 2.7).
74. *Tomazin K, Morin JB, Strojnik V, Pedpecan A, Millet GY. Fatigue after short (100-m), medium (200-m) and long (400-m) treadmill sprints. *Eur J Appl Physiol* 112(3):1027-1036, 2012 (IF: 2.7).
73. Krabak BJ, Hoffman MD, Millet GY, Chimes GP. Barefoot running. *PM & R* 3 (12):1142-1149, 2011 (IF: 2.3).
72. *Tomazin K, Millet GY, Strojnik V. Peripheral alterations after two different concentric power protocols. *Eur J Sport Sci* 11 (5): 327-333, 2011 (IF: 1.3).

71. Millet GY, Martin V, Martin A, Vergès S. Electrical stimulation for testing the neuromuscular function: from sport to pathology. *Eur J Appl Physiol* 111:2489–2500, 2011 (IF: 2.1).
70. Millet GY, *Tomazin K, Verges S, Vincent C, Bonnefoy R, Boisson RC, Gergelé L, Bonnefoy R, Féasson L, Martin V. Neuromuscular consequences of an extreme mountain ultra-marathon. *PLOS One* 6(2): e17059, 2011 (IF: 4.1).
69. Morin JB, *Tomazin K, Edouard P and Millet GY. Changes in running mechanics and spring-mass behavior induced by a mountain ultra-marathon race. *J Biomech* 44(6):1104-1107, 2011 (IF: 2.5).
68. Peltier S, Vincent L, Millet GY, Sirvent P, Morin JB, Guerraz M, Geysant A, Lescuyer JF, Féasson L, Messonnier L. Effects of carbohydrates-BCAAs-caffeine ingestion on performance and neuromuscular function during a 2-h treadmill run: a randomized, double-blind, cross-over placebo-controlled study. *J Int Soc Sports Nutr* 8: 22, 2011 (IF: 2.7).
67. Millet GY. Can neuromuscular fatigue explain running strategies and performance in ultra-marathons? The flush model. *Sports Med* 41(6): 489-506, 2011 (IF: 5.1).
66. Morin JB, Samozino P, Millet GY. Changes in running kinematics, kinetics, and spring-mass behavior over a 24-h run. *Med Sci Sports Exerc* 43 (5): 829-836, 2011 (IF: 4.1).
65. *Muthalib M, Lee H, Millet GY, Ferrari M and Nosaka K. The repeated-bout effect: influence on biceps brachii oxygenation and myoelectrical activity. *J Appl Physiol*. 110(5):1390-1399, 2011 (IF: 3.8).
64. *Tomazin K, Verges S, Decorte N, *Oulerich A, Maffiuletti NA, Millet GY. Fat tissue alters quadriceps response to femoral nerve magnetic stimulation. *Clin Neurophysiol* 122:842–847, 2011 (IF: 3.4).
63. Nicolas M, *Banizette M Millet GY. Stress and recovery states during a 24 h ultra-marathon race: a one month follow-up study. *Psychol Sports Exerc* 12: 368-374, 2011 (IF: 1.9).
62. Millet GY, *Banfi JC, *Kerhervé H, Morin JB, Vincent L, Estrade C, Geysant A, Féasson L. Physiological and biological factors associated with a 24 h treadmill ultramarathon performance. *Scand J Med Sci Sports* 21(1):54-61, 2011 (IF: 2.8).
61. *Muthalib M, Jubeau M, Millet GY, Maffiuletti N, Ferrari M, Nosaka K. Biceps brachii muscle oxygenation in electrical muscle stimulation. *Clin Physiol Funct Imaging*, 30(5):360-368, 2010 (IF: 1.2).
60. Martin V, *Kerhervé H, Messonnier L, *Banfi JC, Geysant A, Bonnefoy R, Féasson L, Millet GY. Central and peripheral contributions to neuromuscular fatigue induced by a 24-hour treadmill run. *J Appl Physiol* 108:1224-1233, 2010 (IF: 4.2).
59. *Muthalib M, Lee H, Millet GY, Ferrari M, Nosaka K Comparison between maximal lengthening and shortening contractions for biceps brachii muscle oxygenation and hemodynamics. *J Appl Physiol*, 109(3):710-720, 2010 (IF: 4.2).

58. *Muthalib M, Millet GY, Quaresima V, Nosaka K. Reliability of near-infrared spectroscopy for measuring biceps brachii oxygenation during sustained and repeated isometric contractions. *J Biomed Opt*, 15(1): 017008, 2010 (IF: 3.2).
57. Millet GY. Central fatigue is not the source but can explain performance decrement due to afferent feedback from fatigued locomotor muscles. Point: counterpoint. Afferent feedback from fatigued locomotor muscles is/is not an important determinant of endurance exercise performance. *J Appl Physiol* 108(2):464, 2010 (IF: 4.2).
56. Sabri K, El Badaoui M, Guillet F, Belli A, Millet GY, Morin JB. Cyclostationary modeling of ground reaction force signals. *Signal Process* 90(4): 1146-1152, 2010 (IF: 1.5).
55. Millet GY, Divert C, *Banizette M, Morin JB. Changes in running pattern due to fatigue and cognitive load in orienteering. *J Sports Sci* 28(2): 153-160, 2010 (IF: 1.6).
54. *Tomazin K, Vergès S, Decorte N, Oulerich A, Millet GY. Effects of coil characteristics for femoral nerve magnetic stimulation. *Muscle & Nerve* 41(3): 406-409, 2010 (IF: 2.3).
53. Féasson L, Verney J, Kadi F, Gautheron V, Calmels P, Millet GY. Thérapie par l'exercice et myopathies. *Revue Neurologique* 166(3): 269-278, 2010 (IF: 0.5).
52. Millet GY, Morin JB, Degache F, Edouard P, Féasson L, Verney J, Oullion R. Running from Paris to Beijing: biomechanical and physiological consequences. *Eur J Appl Physiol* 107: 731-738, 2009 (IF: 2.0).
51. *Muthalib M, Jubeau M, Millet GY, Maffiuletti N, Nosaka K. Comparison between electrically evoked and voluntary isometric contractions for biceps brachii muscle oxidative metabolism using near-infrared spectroscopy. *Eur J Appl Physiol* 107: 235-241, 2009 (IF: 2.0).
50. Morin JB, Samozino P, Geysant A, Féasson L, Millet GY. Effects of muscular biopsy on biomechanics of running. *Eur J Appl Physiol* 105(2): 185-190, 2009 (IF: 2.0).
49. Vergès S, Maffiuletti NA, *Kerhervé H, Decorte N, Wuyam B, Millet GY. Comparison of electrical and magnetic stimulations to assess quadriceps muscle function, *J Appl Physiol* 106(2):701-710, 2009. **This article was chosen for an editorial comment in the same journal** (IF: 3.8).
48. Millet GY, *Aubert D, Favier FB, Busso T, Benoît H. Effect of acute hypoxia on central fatigue during repeated isometric leg contractions. *Scand J Med Sci Sports*. 19(5):695-702, 2009 (IF: 2.8).
47. *Foissac M, Geysant A, Freychat P, Millet GY, Belli A. Characterization of the mechanical properties of backpacks and their influence on the energetics of walking. *J Biomech* 42(2):125-130, 2009 (IF: 2.7)
46. *Foissac M, Berthollet J, Seux J, Belli A, Millet GY. The effects of hiking pole inertia on energy and muscular costs during uphill walking. *Med Sci Sports Exerc* 40(6): 1117-1125, 2008 (IF: 4.1).

45. El Mhandi L, Millet GY, Calmels P, Richard A, Oullion R, Gautheron V, Féasson L. Benefits of interval-training on fatigue and functional capacities in Charcot-Marie-Tooth disease. *Muscle & Nerve* 37(5): 601-610, 2008 (IF: 2.6).
44. Bourgit D, Millet GY, Fuchslocher J. Influence of shoes increasing dorsiflexion and decreasing metatarsus flexion on lower limbs muscular activity during fitness exercises, walking and running. *J Strength Cond Res* 22(3): 966-973, 2008 (IF: 1.85).
43. Millet GY, Perrey S, Divert C, *Foissac M. The role of engineering in fatigue reduction during human locomotion. *Sports Engineering* 9(4): 209-220, 2007.
42. Zory R, Millet GY, Schena F, Bortolan L, Rouard A. Fatigue induced by a cross-country skiing KO sprint. *Med Sci Sports Exerc* 38: 2144-2150, 2006 (IF: 4.1).
41. Féasson L, Camdessanché JP, El Mhandi L, Calmels P, Millet GY. Fatigue and neuromuscular diseases. *Ann Readapt Med Phys* 49: 375-384, 2006.
40. *Martin V, Millet GY, *Lattier G, *Perrod L. Why does knee extensor muscles torque decrease after eccentric-type exercise? *J Sports Med Phys Fitness* 45: 143-151, 2005 (IF: 0.9).
39. *Deley G, Millet GY, Borrani F, *Lattier G, Brondel L. Effects of two types of fatigue on the $\dot{V}O_2$ slow component. *Int J Sports Med* 27(6):475-82, 2005 (IF: 2.4).
38. Place N, Lepers R, *Deley G, Millet GY. Time course of neuromuscular alterations during a prolonged running exercise. *Med Sci Sports Exerc* 36: 1347-1356, 2004 (IF: 4.1).
37. Millet GY, Lepers R. Alterations of neuromuscular function after prolonged running, cycling and skiing exercises. *Sports Med* 34: 105-116, 2004 (IF: 5.1).
36. *Martin V, Millet GY, Martin A, *Deley G, *Lattier G. Assessment of low-frequency fatigue with two methods of electrical stimulation. *J Appl Physiol* 97: 1923-1929, 2004 (IF: 4.2).
35. *Martin V, Millet GY, *Lattier G, *Perrod L. Effects of recovery modes after knee extensor muscles eccentric contractions. *Med Sci Sports Exerc* 36: 1907-1915, 2004 (IF: 4.1).
34. *Lattier G, Millet GY, Martin A, *Martin V. Fatigue and recovery after high-intensity exercise part I: neuromuscular fatigue. *Int J Sports Med* 25: 450-456, 2004 (IF: 2.4).
33. *Lattier G, Millet GY, Martin A, *Martin V. Fatigue and recovery after high-intensity exercise. Part II: Recovery interventions. *Int J Sports Med* 25: 509-515, 2004 (IF: 2.4).
32. Hoffman MD, Millet GY, Candau RB, Rouillon JD. Evaluation of a theoretical model to quantify the sources of metabolic cost in walking. *Am J Phys Med Rehabil* 83: 353-362, 2004 (IF: 1.6).
31. Sarre G, Lepers R, Maffiuletti N, Millet GY, Martin A. Influence of cycling cadence on neuromuscular activity of the knee extensors in humans. *Eur J Appl Physiol* 88: 476-479, 2003 (IF: 2.2).
30. Millet GY, Millet GP, *Lattier G, Maffiuletti NA, Candau R. Alteration of neuromuscular function after a prolonged road cycling race. *Int J Sports Med* 24: 190-194, 2003 (IF: 2.4).

29. Millet GY, *Martin V, Maffiuletti NA, Martin A. Neuromuscular fatigue after a ski skating marathon. *Can J Appl Physiol* 28: 434-445, 2003 (IF: 2. 7).
28. Millet GY, *Martin V, *Lattier G, Ballay Y. Mechanisms contributing to knee extensor strength loss after prolonged running exercise. *J Appl Physiol* 94: 193-198, 2003 (IF: 4.2).
27. Michaut A, Pousson M, Millet GY, Belleville J, Van Hoecke J. Maximal voluntary eccentric, isometric and concentric torque recovery following a concentric isokinetic exercise. *Int J Sports Med* 24: 51-56, 2003 (IF: 2.4).
26. *Lattier G, Millet GY, Maffiuletti NA, Babault N, Lepers R. Neuromuscular differences between endurance-trained, power-trained, and sedentary subjects. *J Strength Cond Res* 17: 514-521, 2003 (IF: 1.8).
25. Hoffman MD, Millet GY, Hoch AZ, Candau RB. Assessment of wheelchair drag resistance using a coasting deceleration technique. *Am J Phys Med Rehabil* 82: 880-889; quiz 890-882, 2003 (IF: 1.6).
24. Borrani F, Candau R, *Perrey S, Millet GY, Millet GP, Rouillon JD. Does the mechanical work in running change during the $\dot{V}O_2$ slow component? *Med Sci Sports Exerc* 35: 50-57, 2003 (IF: 4.1).
23. *Perrey S, Candau R, Millet GY, Borrani F, Rouillon JD. Chute de la consommation d'oxygène à la fin d'un exercice exhaustif chez des coureurs à pied entraînés. *Science & Sports* 17: 38-40, 2002 (IF: 0.2).
22. *Perrey S, Candau R, Millet GY, Borrani F, Rouillon JD. Decrease in oxygen uptake at the end of a high-intensity submaximal running in humans. *Int J Sports Med* 23: 298-304, 2002 (IF: 2.4).
21. *Perrey S, Candau R, Borrani F, Millet GY, Rouillon JD. Recovery kinetics of oxygen uptake following severe-intensity exercise in runners. *J Sports Med Phys Fitness* 42: 381-388, 2002 (IF: 0.8).
20. Millet GY, *Perrey S, Candau R, Rouillon JD. Relationships between aerobic energy cost, performance and kinematic parameters in roller ski skating. *Int J Sports Med* 23: 191-195, 2002 (IF: 2.4).
19. Millet GY, Lepers R, Maffiuletti NA, Babault N, *Martin V, *Lattier G. Alterations of neuromuscular function after an ultramarathon. *J Appl Physiol* 92: 486-492, 2002 (IF: 4.2).
18. Lepers R, Maffiuletti NA, Rochette L, Brugniaux J, Millet GY. Neuromuscular fatigue during a long-duration cycling exercise. *J Appl Physiol* 92: 1487-1493, 2002 (IF: 4.2).
17. Millet GP, Millet GY, Candau RB. Duration and seriousness of running mechanics alterations after maximal cycling in triathletes. Influence of the performance level. *J Sports Med Phys Fitness* 41: 147-153, 2001 (IF: 0.9).
16. Lepers R, Millet GY, Maffiuletti NA, Hausswirth C, Brisswalter J. Effect of pedalling rates on physiological response during endurance cycling. *Eur J Appl Physiol* 85: 392-395, 2001 (IF: 2.2).

15. Lepers R, Millet GY, Maffiuletti NA. Effect of cycling cadence on contractile and neural properties of knee extensors. *Med Sci Sports Exerc* 33: 1882-1888, 2001 (IF: 4.1).
14. Borrani F, Candau R, Millet GY, *Perrey S, Fuchslocher J, Rouillon JD. Is the $\dot{V}O_2$ slow component dependent on progressive recruitment of fast-twitch fibers in trained runners? *J Appl Physiol* 90: 2212-2220, 2001 (IF: 4.2).
13. *Perrey S, Millet GY, Candau R, Rouillon JD. Stretch-shortening cycle in roller ski skating: effects of speed. *J Appl Biomech* 16: 264-275, 2000 (IF: 0.8).
12. Millet GP, Millet GY, Hofmann MD, Candau RB. Alterations in running economy and mechanics after maximal cycling in triathletes: influence of performance level. *Int J Sports Med* 21: 127-132, 2000 (IF: 2.4).
11. Millet GY, Lepers R, *Lattier G, *Martin V, Babault N, Maffiuletti N. Influence of ultra-long-term fatigue on the oxygen cost of two types of locomotion. *Eur J Appl Physiol* 83: 376-380, 2000 (IF: 2.2).
10. Candau RB, Grappe F, Menard M, Barbier B, Millet GY, Hoffman MD, Belli A, Rouillon JD. Simplified deceleration method for assessment of resistive forces in cycling. *Med Sci Sports Exerc* 31: 1441-1447, 1999 (IF: 4.1).
9. *Perrey S, Millet GY, Candau R, Rouillon JD. Stretch-shortening cycle in roller ski skating: effects of technique. *Int J Sports Med* 19: 513-520, 1998 (IF: 2.4).
7. Millet GY, Hoffman MD, Candau RB, Clifford PS. Poling forces during roller skiing: effects of technique and speed. *Med Sci Sports Exerc* 30: 1645-1653, 1998 (IF: 4.1).
6. Millet GY, Hoffman MD, Candau RB, Clifford PS. Poling forces during roller skiing: effects of grade. *Med Sci Sports Exerc* 30: 1637-1644, 1998 (IF: 4.1).
5. Millet GY, Hoffman MD, Candau RB, Buckwalter JB, Clifford PS. Effect of rolling resistance on poling forces and metabolic demands of roller skiing. *Med Sci Sports Exerc* 30: 755-762, 1998 (IF: 4.1).
4. Millet GY, Hoffman MD, Candau RB, Buckwalter JB, Clifford PS. Cycle rate variations in roller ski skating: effects on oxygen uptake and poling forces. *Int J Sports Med* 19: 521-525, 1998 (IF: 2.4).
3. Millet GY, *Perrey S, Candau R, Belli A, Borrani F, Rouillon JD. External loading does not change energy cost and mechanics of rollerski skating. *Eur J Appl Physiol Occup Physiol* 78: 276-282, 1998 (IF: 2.2).
2. Candau R, Belli A, Millet GY, Georges D, Barbier B, Rouillon JD. Energy cost and running mechanics during a treadmill run to voluntary exhaustion in humans. *Eur J Appl Physiol Occup Physiol* 77: 479-485, 1998 (IF: 2.2).
1. Millet GY, Candau R, Rouillon JD. Cycle Length and Cycle Rate in Roller Skiing: Relationships with Performance and Maximal Lower Limb Power. *JHMS* 32: 267-281, 1997 (IF: 0.1).


Non-indexed articles or National Journals





10. Cathébras P, Goutte J, Gramont B, Féasson L, Millet GY, Hupin D. Fatigue chronique : quelles investigations ? Dans quels objectifs ? *Rev Med Interne* 43 (Suppl 2): A308-A315, 2022.
9. *Sabater Pastor F, *Besson T, *Berthet M, Rossi J, Millet GY. Trail vs marathon : comparaison de l'économie de course et des capacités musculaires des équipes de France hommes. *Revue de l'Association des Entraîneurs Français d'Athlétisme* 244 : 10-15, 2022.
8. Millet GY, Brownstein CG. La fatigue liée au cancer : étiologie et rôle de l'activité physique. *Actualités en MPR* 3-4 : 18-22, 2021.
7. Moncelon L, Poletti L, Féasson L, Millet GY, Edouard P. Facteurs prédictifs d'abandon chez les coureurs à la limite des barrières horaires en Ultra-Trail : Application à l'UTMB® et à la TDS® 2019. *Journal de Traumatologie du Sport* 38(1): 16–27, 2021.
6. Varesco G, *Sabater Pastor F, Millet GY, Rozand V. Age-related performance at the Ultra-Trail du Mont Blanc®. *Movement & Sport Sciences - Science & Motricité* 104 : 13-19, 2019.
5. Gergelé L, Baillieul S, Mariat C, Cavalier E, Millet GY. Agression rénale aiguë au décours de l'Ultra-Trail du Mont-Blanc. *Néphrologie & Thérapeutique* 9 (5): 327-328, 2013
4. *Giandolini M, Gimenez P, Millet GY, Morin JB, Samozino P. Consequences of an ultra-trail on impact and lower limb kinematics in male and female runners, *Footwear Science*, 5:sup1, S14-S15, 2013.
3. Millet GY. Tout ce que vous avez toujours voulu savoir sur la fatigue. . .sans jamais oser le demander. *Science et Motricité* 70 : 1-3, 2010.
2. Gergelé L, Bohe J, Féasson L, Robach P, Morel J, Auboyer C, Boisson RC, Millet GY. Du sport extrême à la réanimation, *Réanimation* 19 : 416-422, 2010.
1. Lepers R., Millet GY, Maffiuletti N. Étiologie et cinétique d'apparition de la fatigue neuromusculaire lors d'exercices prolongés de cyclisme, *Science et Motricité* 52 : 83-107, 2004.

Invited conferences

+: International


164. Millet GY. Pourquoi l'activité physique n'est pas « bonne pour la santé ». *Université pour tous*, programme de conférences de l'Office de la Culture, Ambérieu-en-Bugey, October 3, 2023.
- +163. Millet GY, Pattyn N. Fifty shades of fatigue: which colour is the elephant in the room? *28th Annual Congress of the European College of Sport Science*, Paris, July 4-7, 2023.
162. Millet GY. Endurance : une qualité typiquement féminine ? *Workshop Female metabolism*. Clermont-Ferrand, May 10, 2023.
161. Millet GY, Faivre G, Billot T. Les bienfaits de l'activité physique et du sport sur la santé, vérités et idées reçues. *Forum Sport Santé*. Lons-le-Saunier, March 31, 2023.
160. Millet GY, Royer N, Camdessanché JP. Effets de l'activité physique sur la fatigue : Focus sur la sclérose en plaques. *51^{èmes} Entretiens de Médecine Physique et de Réadaptation*, Montpellier, March 22-24 2023.
159. Millet GY. La Fatigue dans les CMT, *XXXII^e congrès de CMT France*, Marseille, March 18, 2023.

158. Millet GY. Sport et Santé. *Université pour tous*, Saint-Bonnet le Château, February 21, 2023.
157. Millet GY. Sport & Performance. *Brest Urban Trail*, Brest, February 7, 2023.
156. Millet GY. Ultra-trail, plaisir, performance, santé. *Conférence-dédicace organisée par l'université Jean Monnet*, Saint-Etienne, December 1st, 2022.
155. Millet GY. Evaluation et impact de la fatigabilité sur la performance musculaire. *XXXIVèmes entretiens de Garches*, Boulogne-Billancourt, November 24-25, 2022.
154. Juanico R, Millet GY, Michaud P. Sédentarité : désamorcer une bombe à retardement sanitaire, *Conférence grand public sur la prescription d'activité physique*, Saint-Etienne, October 26, 2022.
153. Millet GY. La fatigue induite par le Grand Raid peut-elle être comparée à celle des patients atteints de maladies chroniques ? *Colloque scientifique : des neurones aux muscles*, Le Tampon, October 18, 2022.
152. Millet GY. Fatigue liée au cancer et rôle bénéfique de l'activité physique, *Journées Activité Physique et séquelles liées au cancer*, Clermont-Ferrand, October 3-4, 2022.
151. Millet GY. Les excès de la pratique et conséquences sur la santé, *39e édition des Universités Sportives d'Eté (USE)*, Clermont-Ferrand, September 28-30, 2022.
150. Millet GY. Promotion de l'activité physique tout au long de la vie. *Journées du GERS-P*, Avignon, September 15-16, 2022.
149. Millet GY. De l'athlète ultra-marathonien au patient souffrant de cancer : le long chemin de la fatigue. *Conférence Grand Public*. Le Mans, September 15, 2022.
148. Millet GY. La résistance à la fatigue à l'exercice peut-elle expliquer en partie la fatigue liée au cancer ? *Colloque : La fatigue liée au cancer et bien-être subjectif : approches pluridisciplinaires*. Le Mans, September 15-16, 2022.
- +147. Millet GY. New biomarkers for fatigue evaluation, *Symposium Roche Global, Myology*, Nice, September 12-14, 2022.
146. Millet GY. *Royer N, Camdessanché JP. Fatigue in clinical populations: a special focus on multiple sclerosis. *5^{èmes} Journées de Neurophysiologie Clinique*. Saint-Etienne, June 29 – July 1, 2022.
- +145. Millet GY, Ravet R. Objective measurement of muscle fatigue with Myocene: new dimension in physical training, *World Conference on Science and Soccer*, Coimbra, Portugal, June 15-17 2022.
144. Millet GY. De la fatigue de l'athlète à celle du patient. *Conférence-Séminaire de l'Hôpital de la Tour*, Geneva, June 7, 2022.
- +143. Millet GY. Neuromuscular fatigue in endurance sports, *Online symposium Kharazmi University*, Iran, June 2022.
142. Millet GY, Boisseau N, Doucende G, Bruyas C, D'Haene F. Performance, fatigue et blessures en ultra-trail running : quelles différences entre les sexes ? *Conférence Volvic Volcanic Experience*, May 26, 2022.
141. Millet GY. La fatigue dans les maladies neuromusculaires. *Webinaires de la filière Filnemus*, April 21st, 2022.
140. Millet GY. [La fatigue dans les maladies chroniques et le rôle de l'activité physique](#) 
Journée DAPA-S, Lyon, April 21st, 2022.

- +139. Millet GY. Investigation of neuromuscular fatigue in athletes and patients. *Motion Lab seminar*, Lausanne, February 17, 2022.
138. Millet GY. De la fatigue de l'athlète à celle du patient. *Conférence-Séminaire*, UFR STAPS Nanterre, February 10, 2022.
137. Millet GY. Sport et Santé. *Université pour tous*, Firminy, January 18, 2022.
136. Millet GY. Les spécificités physiologiques du biathlète. *Entretiens de Médecine du Sport*. Lourdes, November 6, 2021.
135. Millet GY. L'ultra-endurance : est-ce réellement une discipline extrême ? *Colloque international. Des critiques du sport. Controverses interdisciplinaires*. Strasbourg, November 4-5, 2021.
- +134. Millet GY. Fatigue in Clinical Populations: is it specific to the disease? *Canadian Society for Exercise Physiology Professional Development Webinar*. July 7, 2021.
133. Millet GY, Bosquet L. [12 idées reçues sur le Sport-Santé](#) . *Webinaire de la chaire ActiFS*. June 17, 2021.
132. Millet GY, Antonini R. [Dépasser ses limites physiques et mentales : la performance en ultra-endurance à l'épreuve de la science](#) . *Journées d'étude de la Société Française de Psychologie du Sport*, Brest, June 9-11, 2021.
131. Millet GY. Etude de la fatigue de patients atteints de cancer. *XXe Journées d'Etudes Francophones en APA (JEFAPA)*, Caen, May 28-29, 2021.
130. Millet GY. Measuring fatigability in clinical populations: is it relevant? *Monday Muscle Seminar M&Ms, Centre de Recherche en Myologie*, Paris, May 10, 2021.
129. Millet GY. Quand l'APA prévient la fatigue cancéro-induite. *Webinaire : Activité physique adaptée et fatigue : de la prescription à la pratique en oncologie*, Besançon, April 9, 2021.
128. Millet GY. Rôle de la résistance à la fatigue induite par l'exercice dans la fatigue chronique. *Staff meeting respiratory medicine department of Lyon Sud University hospital*, March 23, 2021.
127. Millet GY, Legros M, Messonnier L, Gibaud T. Les différents types de fatigue et leur signature dans les performances des athlètes. *Webinar GdR Sport CNRS : la fatigue humaine et des matériaux*, December 15, 2020.
126. Millet GY. Ultra-trailer : au bout de soi même ! *Journées du GERS-P*, Virtual conference, November 19-20, 2020.
125. Millet GY. L'activité physique : médicament miracle pour lutter contre la fatigue. *21^{ème} Journées Internationales de Rééducation de l'AHREK*. November 7, 2020.
- +124. Millet GY. [Living with Lymphoma: Fighting Fatigue with Exercise](#)  *4th Lymphoma Canada Annual National Conference, Virtual conference*, October 16-17, 2020.
- +123. Millet GY. [Measuring fatigability in clinical populations: is it relevant?](#)  *Neuromuscular Interest Group*. October 14, 2020.
122. Millet GY. La mobilité active : inutile et compliquée ? *Fête des Possibles du CTC 42*, Saint-Etienne, September 23, 2020.
121. Millet GY. Les effets sur la santé de la mobilité active au quotidien, *Conférence pour le Département de la Loire*, Saint-Etienne, September 23, 2020.

120. Millet GY. Déterminants et impacts sur l'exercice de la fatigue et du cancer. *Forum MPR et Cancer, Fondation Meyrieux, Veyrier du Lac*, January 30, 2020.
119. Millet GY. Fatigue centrale lors des efforts prolongés 6^{ème} *journée de Médecine du Sport aux Armées*, Lyon, December 12, 2019.
118. Millet GY, *Parent A. L'activité physique pour la santé : quels mécanismes d'action, quels types d'activités ? *Journées d'étude annuelles du CDI avec l'Institut Motricité Cérébrale*, Lyon, December 2-3, 2019.
117. Millet GY. La fatigue dans ses extrêmes : de l'athlète au patient, 26^{ème} *édition des journées ICAR*, Bron, November 29th, 2019.
116. Millet GY. La préparation physique du traileur et de l'ultra-traileur, *Conférence publique de la FOP*, St-Genest Malifaux, November 22nd, 2019.
115. Millet GY. Fatigue musculaire à l'exercice et conséquence dans les affections neurologiques centrales. *Echanges sur les pratiques et perspectives – Journée Expert Merz*, Saint-Etienne, November 22nd, 2019.
114. Millet GY. Sport et Santé. *Université pour tous*, Saint-Etienne, October 25th, 2019.
113. Millet GY. Ultra-endurance : jusqu'où peut aller l'être humain ? *Conférence sur le sport extrême*, Saline royale d'Arc-et-Senans, October 5th, 2019.
112. Millet GY. Liens entre activités physiques et santé : les bénéfices liés aux modes de déplacements actifs ? *Comité Territorial d'Atmo*, St-Etienne, September 27, 2019.
111. Millet GY. La fatigue en pathologie neurologique. *Réunion du Centre de Référence Maladies Neuromusculaires PACARARE*, St-Etienne, September 12-13, 2019.
- + 110. Millet GY. Physical exercise: pros and cons for taking care of myopathic patients (Keynote Lecture). *Satellite session of the National Congress of the Italia Association of Myology*, Pavia, June 5th, 2019.
109. Millet GY. Les effets positifs de la mobilité active au quotidien, Saint-Etienne, *Challenge mobilité Régional 2019*, Saint-Etienne, June 3 & June 6, 2019.
108. Millet GY. Records sportifs et sédentarité : une autre augmentation de l'écart entre les extrêmes ? Saint-Etienne, 8^{ème} *Congrès Kiné France Prévention*, May 24, 2019.
- +107. Millet GY. Etiology of fatigue: from sport to pathology, *Invited seminar University of Brighton*, Brighton, May 7, 2019.
106. Millet GY. Evolution du trail running en France. *Conférence dans le cadre de la course 'Techni-trail de Tiranges*, Tiranges May, 2019.
- +105. Millet GY. Current limitations of fatigue assessment, *Invited seminar Northumbria University*, Newcastle, April 9, 2019.
104. Millet GY. Fatigue centrale et privation de sommeil en ultra-endurance, 47^{èmes} *Entretiens de Médecine Physique et de Réadaptation*. Montpellier, March 20-22 mars, 2019.
- +103. Millet GY. Neuromuscular Fatigue: Are Scientific Data Useful for Sport Performance? (Keynote Lecture) *German Exercise Science and Training Conference*, Würzburg, February 20-22, 2019.
102. Millet GY. Fatigue extrême : jusqu'où notre corps peut-il aller ? *Nuit Blanche des Chercheurs (General public conference)*, Nantes, France, February 7, 2019.

101. Millet GY. *Table ronde : le corps et ses limites*. Liberté, scène nationale de Toulon, January 15, 2019.
100. Millet GY. Moins d'efforts, plus de fatigue : signe du déclin de l'espèce humaine ? *Soirée recherche prix fondation Université Jean Monnet*, Saint-Etienne, November 26, 2018.
99. Millet GY. La prise en charge de la fatigue musculaire, *XVI^{èmes} journées de la Société Française de Myologie*, Brest, November 21-23, 2018.
- +98. Millet GY. Etiology of acute and chronic fatigue: Application in multiple sclerosis, *Invited seminar Schulthess Clinic*, Zurich, November 20, 2018.
97. Millet GY. Place de la TMS pour évaluer l'activation volontaire corticale liée à l'exercice, *3^{èmes} Journées de neurophysiologie clinique*, Lille, June 24-27, 2018.
96. Millet GY, Nicot F, Thévenard X, Pommeret L. L'Ultra Conférence, Chambéry, December 14, 2017.
- +95. Millet GY. Ultra-trail, exercice physique et sommeil. *Le Congrès du Sommeil[®]*, Marseille, November 24, 2017.
94. Millet GY. Mesurer la fatigue neuromusculaire : est-ce vraiment utile ? *Séminaire du LAMHESS*, Nice, November 17, 2017.
- +93. Millet GY. Does neuromuscular fatigue directly influence performance in ultra-marathon? *Canadian Society for Exercise Physiology General Annual Meeting*, Winnipeg, October 25-28, 2017
92. Millet GY. Physiologie de l'ultra trail : performance et fatigue. *2^{ème} Congrès de la SRMKS / SMSOI*, Saint-Pierre (Ile de la Réunion), 14 octobre 2017.
91. Millet GY. Gestion du sommeil, avant, pendant un ultra trail. *2^{ème} Congrès de la SRMKS / SMSOI*, Saint-Pierre (Ile de la Réunion), 14 octobre 2017.
90. Millet GY. Intérêts de la force dans les sports d'endurance et d'ultra-endurance : Données scientifiques, *Conférence à l'INSEP*, Paris, 22 octobre 2017.
89. Millet GY. Comment ne pas gâcher 9 mois de préparation en quelques heures. *Conférence dans le cadre de l'Ultra-trail du Mont-Blanc* Chamonix, 31 août 2017.
- +88. Millet GY. Fatigue and Efficiency during Endurance Exercise. Symposium "Optimizing Performance during Long Endurance Events", *American College of Sports Medicine's 64th Annual Meeting*, Denver, Colorado, May 30- June 3, 2017.
- +87. Millet GY, Morin JB. Biomechanical Considerations in Ultramarathon Running. *4th Annual International Congress on Medicine & Science in Ultra-Endurance Sports*, Denver, Colorado, May 30, 2017.
86. Millet GY. Central fatigue assessed by TMS in athletic and clinical populations. N3 talks, University of Calgary, April 28, 2017.
- +85. Millet GY. Etiology of acute and chronic fatigue: applications in neuromuscular diseases and cancer (Keynote Lecture). *31^{ème} Congrès de la Société Française de Médecine Physique et de Réadaptation*, Saint Etienne, October 13-15, 2016.
84. Millet GY. Performances physiques de l'espèce humaine : entre progrès et déclin. *Cycle de conférence estival de Saint-Agrève*, August 24th, 2016.
- +83. Millet GY. Fatigue in ultra-trail running. *Medicine & Science in Ultra-Endurance Sports conference*, Chamonix (France), August 21-23, 2016.

82. Millet GY. The Role of Fatigue in Susceptibility to Injury. *50th Anniversary Injury Prevention Research Workshop*, Calgary, June 20th, 2016.
81. Millet GY, Medysky ME, Temesi J. New models for examining cancer-related fatigue. *Cancer-Related Fatigue Conference*, University of Calgary, June 16th, 2016.
- +80. Millet GY. Muscle fatigue (Keynote Lecture), *Sports Physics*, Paris, June 8-10, 2016.
79. Millet GY, Aboodarda SA. Fatigue in multiple sclerosis: neurophysiological mechanisms and new methods of investigation. *Multiple Sclerosis Grand Rounds*, May 26th, 2016.
78. Culos-Reed SN, Millet GY. Cancer and Exercise: The Impact on Fatigue Management and Quality of Life. *Palliative Cancer Grand Rounds*, May 25th, 2016.
77. Millet GY. Determining factors of performance and fatigue in cross-country skiing, *High performance coaching seminar*, Cross Country Canada, Canmore, May 7-8, 2016.
- +76. Millet GY. Place de l'entraînement de force dans les activités d'endurance (Keynote Lecture). *4^{èmes} journées Gilles Cometti*, Dijon, France, 13-14 novembre 2015.
- +75. Millet GY. Performance and fatigue in ultramarathons (Keynote Lecture). *6th International Congress Mountain, Sport, & Health*, Rovereto (Italy), November 12th, 2015.
74. Millet GY. Interests and limitations of techniques used to investigate neuromuscular function. *Internal seminar Institut des sciences du sport de l'Université de Lausanne*, Lausanne, Switzerland, November 11th, 2015.
- +73. Millet GY. Limits for prolonged exercise – the interplay between peripheral and central events. *Symposium Limitations for performance in an exercise duration and intensity perspective*, University of Copenhagen, October 29th, 2015.
72. Millet GY. [Être performant : limites et possibilités du corps humain ?](#)  *General public conference* organized during the *16th ACAPS congress*, Nantes, France, October 28, 2015.
- +71. Millet GY. Etudier la fatigue extrême de l'athlète permet-il de comprendre celle du patient ? (Keynote Lecture) *16th International Congress of Association of Researchers in Physical and Sports Activities (ACAPS)*, Nantes, France, October 27, 2015.
- +70. Millet GY. Neuromuscular responses and adaptations to endurance running and cycling, *16th International Symposium Combined Endurance and Strength Training for Physical Fitness and Sports Performance: From Science to practice*, Jyväskylä, Finland, September 23-25, 2015.
- +69. Millet GY. Physiology and biomechanics of ultra-endurance sports, *Endurance Research Conference*, University of Kent, September 2-4, 2015.
68. Millet GY. Cancer-related fatigue. *Markin USRP seminar*, July 15, 2015, Calgary.
67. Millet GY. Physiology of Ultra-marathons. *Canadian Society for Exercise Physiology Professional Development Day*, Calgary June 20, 2015.
- +66. Millet GY. Central and peripheral fatigues induced by exercise. *Winter Meeting of the French Society of Clinical Neurophysiology*, Paris, January 26-27, 2015.
- +65. Kram R, Millet GY, Mester J, Stefanyshyn D, Wilson A. Running Performance, *International Calgary Running Symposium*, Calgary, July 14-17, 2014.
- +64. Millet GY. Neuromuscular Fatigue: Lessons from Extreme Sport. *Medicine & Science in Ultra-Endurance Sports conference*, Squaw Valley (USA), June 24-25, 2014.

- +63. Millet GY. Sacrificing Economy to Improve Running Performance: A Reality in the Ultramarathon? *Medicine & Science in Ultra-Endurance Sports conference*, Squaw Valley (USA), June 24-25, 2014.
62. Millet GY, Temesi J. Methodological advances in neuromuscular fatigue evaluation: application in extreme exercise and patients. *Centre for Neuroscience seminar*, Edmonton, January 28th, 2014.
61. Millet GY. Central drive changes in extreme exercises. *School of Health and Exercise Sciences internal seminar*, Kelowna, January 21st, 2014.
- +60. Millet GY. Fatigue and Sport Performance (Keynote Lecture). *IV Symposium on Applied Neuromechanics*, Santa Catarina (Brazil), November 26-28, 2013.
59. Millet GY, Devillard X. L'activité physique, médicament du futur ? Le Pertuis (France), October 29, 2013.
- +58. Millet GY. Neuromuscular Fatigue: Lessons from Extreme Sport. *Workshop "K-algary 2013"*, Calgary, June 5-7, 2013.
57. Millet GY. Etiologie de la fatigue musculaire. *Collège Grenoblois de Médecine du Sport*, Grenoble, 24 mai, 2013.
56. Millet GY. L'entraînement en trail. Trail des Piqueurs, St-Jean des Ollières, 23 mars, 2013.
55. Millet GY, Vergès S, Vercueil L. Quand le sommeil vient tromper le cerveau : l'ultra-endurance au bout du rouleau, l'altitude en apnée. *Midi Sciences*, Grenoble, 19 mars, 2013.
54. Millet GY, Sergent A, Hirlmann JB. De l'amateur au champion, quelles qualités mentales et physiques pour une pratique sportive épanouie ? *La semaine du cerveau*, Grenoble, 14 mars, 2013.
53. Millet GY. La performance dans les sports d'endurance : de l'enfant au compétiteur de l'extrême. *Cycle de conférence du Stade Lorrain Université Club*, Nancy, 1^{er} février 2013.
52. Millet GY. L'extraordinaire endurance de l'espèce humaine : où sont les limites ? *Collège Grenoblois de Médecine du Sport*, Grenoble, 15 novembre, 2012.
51. Millet GY, Brulé A. Approche Physiologique et Pathologique dans la pratique de l'Ultra-Trail. *Conférence dans le cadre de l'Ultra-trail du Mont-Blanc* Saint-Etienne, 18 octobre 2012.
50. Millet GY, Lacroix E. Ultra-trail, Comment concilier Plaisir, Performance et Santé. *Conférence dans le cadre du Grand Raid de la Réunion*, Creps de St-Denis de la Réunion, 13 octobre 2012.
49. Millet GY, Gergelé L, Castell F. Gérer son UTMB. *Conférence dans le cadre de l'Ultra-trail du Mont-Blanc* Chamonix, 30 août 2012.
48. Millet GY. Le rôle du cerveau dans les limites humaines à l'effort extrême : de l'ultramarathon à l'expédition en montagne. *Conférence à l'invitation de la structure fédérative de recherche Sport – Exercice – Motricité*, Grenoble, 21 juin 2012.
- +47. Millet GY. Hypoxia and endurance performance. *Endurance Research Symposium*, Chatham (UK), July 24, 2012.
- +46. Millet GY. The flush model. *ICSEMIS Conference*, Glasgow, July 22, 2012.
45. Millet GY. Peut-on être performant sur l'Eco-trail® de Paris et sur l'UTMB®? *Ecotrail de Paris*, 23 mars 2012.

- +44. Millet GY Can neuromuscular fatigue explain running strategies and performance in ultra-marathons? The flush model. *Symposium scientifique « Mécanismes de contrôle des adaptations cardiorespiratoires et de la fatigue musculaire à l'exercice »*, Lille, 22 mars 2012.
43. Millet GY. Sommeil et performance. *Journées Nationales du Sommeil*, Nancy, 16 mars 2012.
- +42. Millet GY. Neuromuscular fatigue induced by ultra-endurance running (Keynote Lecture). *4th International Congress Mountain, Sport, & Health*, Rovereto, 11 November 2011.
- +41. Millet GP, Verney J, Joassard O, Bankole C, Millet GY. Acute cardiovascular responses induced by an ultra-trail. *4th International congress Mountain, Sport, & Health*, Rovereto, 11 November 2011.
40. Millet GY. Les facteurs limitants des disciplines d'ultra-endurance. *4^{ème} Congrès commun SFMS - SFTS*, Caen, 30 septembre 2011.
39. Millet GY. La biomécanique de la course de fond. *Festival de l'Endurance*, les Saisies, 9 juillet 2011.
38. Millet GY. L'endurance humaine. *Journées annuelles des entraîneurs d'athlétisme francophones*, Bruxelles, 11 juin 2011.
- I37. Bosquet L, Millet GY. Ultra-endurance, la femme dépassera-t-elle l'homme ? *4^{ème} Forum Européen Cœur, Exercice et Prévention*, Paris, 17-19 mars 2011.
- +36. Millet GY. Can neuromuscular fatigue explain running strategies and performance in ultra-marathons? *University of Sogndal (Norway)* 13 mars 2011.
35. Millet GY, Vergès S. La fatigue aiguë au cours de l'exercice : définition, origine, et réversibilité, *5^{ème} journée de la Société Dauphiné Savoie de Médecine du Sport*, 6 novembre 2010, Grenoble.
34. Millet GY. Les méthodes d'entraînement combiné, *2^{ème} édition des journées Gilles Cometti* 19-20 novembre 2010, Dijon.
- +33. Millet GY. Muscle fatigue: how to measure it? *Satellite XII ICNMD muscle fatigue in neuromuscular disorders: pathogenic mechanisms and treatment*, 23-24 July 2010, Pisa (Italy).
32. Millet GY. Facteurs de fatigue. *Congrès Cœur et Sport*, 3-5 juin 2010, Saint-Etienne.
- +31. Millet GY. Ultra-long exercise: can it be used to explore fatigue mechanisms? *Symposium Neuromuscular Fatigue: Revisited in 15th Annual Congress of the European College of Sport Science*, 23-26 June, 2010, Antalya (Turkey).
30. Millet GY, Tomazin K, Vergès S, Vincent C, Martin V. Fatigue et récupération de la fonction neuromusculaire lors d'un effort extrême : exemple d'un ultra-trail en montagne (Keynote Lecture), *Journée Club Mont-Blanc Cœur et Sport*, 1^{er} juin 2010, Chamonix.
- +29. Millet GY. Electrical stimulation for testing and training in exercise and sports. *XVIII Congress of the International Society of Electrophysiology and Kinesiology (ISEK)* June 16-19, 2010, Aalborg (Denmark).
28. Millet GY. La fatigue musculaire : aspects centraux. *Entretiens de Médecine Physique et de Réadaptation*, 5-6 mars 2010, Montpellier.
27. Millet GY. Performance et sports d'endurance. *Association Alte Strade*, 28 novembre 2009, Corte.
26. Millet GY. Is active recovery efficient to improve performance in elite athletes? *Entretiens de l'INSEP*, 10-11 décembre 2009, Paris

25. Millet GY. Comment être performant en ultra-trail ? *Conférence dans le cadre de la course 'Ultra-trail du Mont-blanc®'*, 27 août 2009, Chamonix.
24. Millet GY. L'Ultra-Trail est-il dangereux ? *Conférence dans le cadre de la course 'Ultra-trail du Mont-blanc®'*, 26 août 2009, Chamonix.
23. Millet GY, Banfi JC. L'entraînement du traileur. *Conférence dans le cadre de la course 'Grand Raid du Mercantour'*, juin 2009, St-Martin de Vésubie.
22. Millet GY, Banfi JC. L'entraînement du traileur. *Conférence dans le cadre de la course 'Merrell Oxygen Challenge'*, mai 2009, Le Lioran.
21. Millet GY. Limites des épreuves d'endurance en altitude : cœur, muscle ou cerveau ? (Keynote Lecture) 2^{èmes} *Journées Régionales du Club Mont-Blanc Coeur et Sport*, 17-19 octobre 2008, Annecy.
- +20. Millet GY. Fatigue des muscles squelettiques. Aspects théoriques. 5^{ème} *Congrès International de Rééducation dans les maladies neuromusculaires*. Du 30 mai au 1 juin 2008, Marseille.
- +19. Millet GY. Alterations of neuromuscular function after prolonged running exercises. *Conférences series in Australia*, 2008
- Edith Cowan University, Perth, March 20*
- Australian Institute of Sports, Canberra, April 3*
- Prince of Wales Medical Research Institut, Sydney, May 2nd*
- +18. Millet GY. Fatigue et récupération lors d'efforts prolongés, 7^{ème} *Journées annuelles du Centre d'Evaluation de la Performance Sportive* (Communauté française de Belgique), Louvain-la-Neuve, le 6 octobre 2007
17. Millet GY. Déterminants de la fatigue musculaire chez le sportif. 5^{èmes} *Journées Francophones d'Electroneuromyographie*. Grenoble, 15 au 17 mars 2006.
16. Millet GY. la fatigue du sportif : Comment l'expliquer ? Comment récupérer ? ISSEP Lausanne, janvier 2005.
15. Millet GY. La récupération : mythes et réalités. *Journées d'automne Swiss Olympic*. Office fédéral du sport, Macolin Suisse, 3 au 5 novembre 2004.
- +14. Millet GY. Electrostimulation et récupération. *Congrès International de Médecine du Sport*, St-Etienne 18-19 Décembre 2003
- +13. Millet GY. Economy and fatigue in roller skiing. *8th Annual Congress of The European College of Sport Science (session dedicated to cross-country skiing science)*, Salzburg, July 9-12, 2003.
- +12. Millet GY, Martin V, Lattier G, Maffiuletti NA. Neuromuscular fatigue after long duration stretch-shortening cycle exercises, *International workshop on non-invasive investigation of muscle function*, Marseille, October 4 – 6, 2001.
11. Millet GY. L'efficacité du geste sportif, *Colloque Sport et Santé*, Amiens, 2001.
10. Deley G, Millet GY, Cometti G. Influence de la déshydratation aiguë sur la performance chez le lutteur de haut-niveau, *Colloque sur la préparation physique chez l'enfant*, Dijon, octobre 2001.
9. Millet GY. *Quelques vérités sur le dopage sportif*, Ecole Supérieure de Commerce, Dijon, 2000.
8. Millet GY. Aspects musculaires du trail : fatigue, récupération et entraînement, *Colloque Médical et entraînement de la grande course des Templiers*, Nant, 21 octobre 2000.

7. Millet GY. Fatigue et coût énergétique, *XXIV^{ème} Congrès de la Société de Biomécanique (Symposium Energétique et rendement musculaire)*, Beaune, 17 septembre 1999.
6. Millet GY. La préparation du skieur de fond de longues distances, *DDJS 25*, Pontarlier, 1999.
5. Millet GY. Les spécificités de l'entraînement chez l'enfant et l'adolescent, *Faculté des Sciences Sociales et Politiques*, Lausanne, 1999.
4. Millet GY. Musculation et sports d'endurance, *Office Municipal des Sports*, Pontarlier, 19 novembre 1999.
2. Millet GY. Le suivi du sportif : un atout dans la lutte contre le dopage, *Comité Régional Olympique et Sportif de Franche-Comté*, Lons-le-Saunier, 27 mars 1998.
3. Millet GY. La musculation en ski de fond, *Association des entraîneurs de ski de fond du Jura, Prémanon*, 30 novembre 1996.
1. Hintzy F, Millet GY. La force musculaire en tennis, *Congrès Médical de la FFT*, Besançon, 6-8 décembre 1996.

International communications

*: represents trainees under my supervision.

141. *Kennouche D, *Luneau E, *Pflieger A, *Souron R, Thierry N, Lapole T, Millet GY Gondin J, Morel J. Validation of a bedside ergometer dedicated to longitudinal evaluation of neuromuscular function in intensive care unit patients. *16th International Conference of the Society on Sarcopenia, Cachexia, & Wasting Disorders*, Stockholm, June 17-19, 2023.
140. *Royer N, *Mira J, *Lepetit N, *Fayolle E, Camdessanché JP, Millet GY. Benefits of individualized training in fatigued patients with multiple sclerosis. *28th Annual Congress of the European College of Sport Science*, Paris, July 4-7, 2023.
139. *Luneau E., Rozand V, Millet GY. The etiology of age-related fatigability revisited. *28th Annual Congress of the European College of Sport Science*, Paris, July 4-7, 2023.
138. Martin V, *Kennouche D, Millet GY, Guibert E, Chevarin C, Barnich N, Chassaing B, Combis MS, Cinq frais C, Pialoux V, Otero YF, Sirvent P, Cazaubiel M, Peltier S, Boisseau N. Nutritional status, metabolic profile, pro/anti-oxidant status and gut microbiota composition as mediators of neuromuscular fatigability in post-COVID-19 patients six months after intensive care unit discharge. *28th Annual Congress of the European College of Sport Science*, Paris, July 4-7, 2023.
137. *Roma E, Michel A, Tourillon R, Millet GY, Morin JB. Reliability and measurement error of a maximal voluntary toe plantarflexion measurement process. *28th Annual Congress of the European College of Sport Science*, Paris, July 4-7, 2023.
136. Morio CYM, *Besson T, Delattre N, Lloria-Varela J, Millet GY, Rossi J. Shoe cushioning perception after a 38-km trail running race. *16th Biennial Footwear Biomechanics Symposium*, Osaka, July 26 – 28, 2023.
135. Zonies MV, Willis SJ, *Sarramea P, Vernillo G, Borrani F, Millet GP, Millet GY. Changes in Corticospinal Excitability during Repeated Sprint Exercise In Hypoxia And Combined With Blood Flow Restriction. *American College of Sports Medicine's 70th Annual Meeting*, Denver, May 30-June 2, 2023.

134. Vernon CT, Willis SJ, *Sarramea P, Vernillo G, Borrani F, Millet GP, Millet GY. Hypoxia and blood flow restriction increases peripheral fatigue during repeated sprints. *American College of Sports Medicine's 70th Annual Meeting*, Denver, May 30-June 2, 2023.
133. Fleitas Paniagua P, Trpcic M, Iannetta D, Aboodarda SJ, Millet GY, Murias JM, de Almeida Azevedo R. Different ramp incremental slopes elicit similar $\dot{V}O_2$ max and neuromuscular fatigue development despite differences in peak power output. *Canadian Society for Exercise Physiology General Annual Meeting*, Fredericton, November 2-5, 2022.
132. Faricier R, Murias JM, Millet GY, Keir D, Iannetta D. Absolute but not relative exercise duration at $\dot{V}O_2$ max changes as a function of the power output within the severe-intensity domain. *Canadian Society for Exercise Physiology General Annual Meeting*, Fredericton, November 2-5, 2022.
131. Giandolini M, *Play MC, Millet GY, Rossi J. Effect of midsole hardness on knee abduction angular impulse: an ascendant hierarchical clustering in 123 runners. *27th Annual Congress of the European College of Sport Science*, Sevilla, August 30-September 2, 2022.
130. Beaume JB, Di Domenico H, Bowen M, Hintzy F, Millet GY, Pageaux B, Debevec T, Rupp T. Kinetics of neuromuscular fatigability during cycling at a fixed rate of perceived effort in different altitude-like simulation methods. *27th Annual Congress of the European College of Sport Science*, Sevilla, August 30-September 2, 2022.
129. *Play MC, Giandolini M, Millet GY, Rossi J. Soft-tissue vibrations in response to impact force characteristics in running. *27th Annual Congress of the European College of Sport Science*, Sevilla, August 30-September 2, 2022.
128. *Play MC, Ravel A, Millet GY, Giandolini M, Rossi J. Treadmill running: how long before biomechanics reach a steady state? *Congress of the International Society of Biomechanics in Sports*, Liverpool, July 19-23, 2022.
127. Naëgel A, Karkouri J, Ratiney H, *Kennouche D, *Royer N, Millet GY, Slade J, Morel J, Croisille P, Viallon M. Assessment of skeletal muscle energy metabolism by ³¹P MRS in COVID19 and Multiple Sclerosis patients: technical and clinical insights. *Congress of the International Society for Magnetic Resonance in Medicine*, London, May 07-12, 2022.
126. Varesco G, *Luneau, E, Millet GY, Féasson L, Lapole T, Rozand V. Effects of age on neuromuscular fatigue: comparison between isometric, dynamic and cycling tasks. *12th SISMES congress*. Padova, 8-10 October, 2021.
125. *Azevedo RA, Keir D, Forot J, Iannetta D, Millet GY, Murias JM. Similar rate of development of the $\dot{V}O_2$ slow component and peripheral fatigue across different exercise durations and intensities near the MLSS. *Canadian Society for Exercise Physiology General Annual Meeting*, Online, October 13-16, 2021.
124. *Sabater Pastor F, *Besson T, Varesco G, *Parent A, Fanget M, Koral J, Foschia C, Rupp T, Rimaud D, Féasson L, Millet GY. Physiological determinants of performance in trail running races of different distances. *26th Annual Congress of the European College of Sport Science*, Virtual Congress, 8-10 September, 2021.
123. Espeit L, Luneau E, Brownstein C, Gondin J, Millet GY, Rozand V, Maffiuletti NA, Lapole T. Acute effect of pulse width and stimulation frequency on neuromuscular function. *26th Annual Congress of the European College of Sport Science*, Virtual Congress, 8-10 September, 2021.
122. *Roma E, Tourillon R, Michel A, Edouard P, Fourchet F, Millet GY, Morin JB. Relationship between toe flexors and lower limb strength: a preliminary investigation. *XXVIII Congress of the International Society of Biomechanics*, Stockholm, July 25-29, 2021.

121. Alcantara RS, Edward WB, Millet GY, Grabowski AM. Predicting normal ground reaction force waveforms from accelerometers during uphill and downhill running: A recurrent neural network solution. *XXVIII Congress of the International Society of Biomechanics*, Stockholm, July 25-29, 2021.
120. Espeit L, *Rimaud D, *Le Mat F, Cudel C, Micol I, Chaigneau C, Millet GY, Lapole T. Fatigue and quality of life in chronic venous insufficiency patients: a French survey *Future Physiology 2021*, Online Conference, April 19-22, 2021
119. Varesco G, Lapole T, *Royer N, * Singh B, *Parent A, Féasson L, Millet GY, Rozand V. *Future Physiology 2021*, Online Conference, April 19-22, 2021.
118. *Azevedo RA, Forot J, Iannetta D, MacInnis MJ, Millet GY, Murias JM. Effects of small changes in exercise intensity below and above the maximal lactate steady-state on neuromuscular responses in females and males. *Canadian Society for Exercise Physiology General Annual Meeting*, Online (originally Fredericton), October 21-24, 2020.
117. Lapole T, Coulondre C, *Souron R, Rambaud A, Dalmais E, Espeit L, Neri T, Pinaroli A, Estour G, Millet GY, Rupp T, Féasson L, Edouard P. Local vibration training improves the recovery of quadriceps strength in the early rehabilitation after ACL reconstruction: a feasibility randomized controlled trial. *25th Annual Congress of the European College of Sport Science*, Sevilla, 28-30 October, 2020.
116. *Brownstein CG, Espeit L, *Royer N, Lapole T, Millet GY. Measurement of intracortical and corticospinal inhibition with fatigue – is less more? *25th Annual Congress of the European College of Sport Science*, 28-30 October, 2020.
115. *Besson T, *Parent A, *Brownstein C, Espeit L, Lapole T, Martin V, *Royer N, *Singh B, Temesi J, Rossi J, Millet GY. Impact of running an ultramarathon on neuromuscular fatigue: effects on sex and distance. *25th Annual Congress of the European College of Sport Science*, Sevilla, 28-30 October, 2020.
114. Espeit L, Maffiuletti NA, Rozand V, Millet GY, Lapole T. Effect of vibration during neuromuscular electrical stimulation on occurrence and magnitude of extra force. *25th Annual Congress of the European College of Sport Science*, Sevilla, 28-30 October, 2020.
113. *Royer N, Varesco G, *Singh B, *Parent A, Féasson L, Lapole T, Millet GY, Rozand V. Dynamic Quadriceps intermittent function test: a reliability study. *25th Annual Congress of the European College of Sport Science*, Sevilla, 28-30 October, 2020.
112. Fanget M, Imbert L, Koral J, *Kennouche D, Rimaud D, Foschia C, Hupin D, Millet GY. Changes in Force-Velocity profile after a short vs long mountain ultramarathon race. *25th Annual Congress of the European College of Sport Science*, 28-30 October, 2020.
111. *Sabater-Pastor F, Varesco G, *Besson T, Millet GY. Changes in energy cost of running after a short vs long mountain ultramarathon race. *25th Annual Congress of the European College of Sport Science*, Sevilla, 28-30 October, 2020.
110. Lapole T, Baudry S, *Kennouche D, Millet GY, *Souron R. Vibration-induced depression in spinal loop excitability revisited. *12th Biennial meeting of the International Motoneuron Society*, Bordeaux, 8-12th June, 2020.
109. *Twomey R, Yeung ST, *Wrightson JG, Millet GY, Culos-Reed SN. Post-Exertional Malaise in People with Chronic Cancer-Related Fatigue. *American College of Sports Medicine's 67th Annual Meeting*, San Francisco, May 26-30, 2020.

108. *Azevedo RA, Forot J, Millet GY, Murias JM. Fatigue etiology at exhaustion when cycling slightly above MLSS vs at or below MLSS. *American College of Sports Medicine's 67th Annual Meeting*, San Francisco, May 26-30, 2020.
107. *Singh B, Hayes SC, Spence RR, Steele ML, Gergele L, Millet GY. What practitioners need to know when prescribing exercise for individuals with colorectal cancer: results from a systematic review and meta-analyses on safety, feasibility and effect. *Exercise & Sports Science Australia Conference*, Perth, April 2-4, 2020.
106. *Lavigne C, *Twomey R, Lau H, Francis G, Culos-Reed SN, Millet GY. Feasibility of a strength training intervention involving eccentric overloading and neuromuscular electrical stimulation after treatment for head and neck cancer. *EXOncTC conference*.
105. *Twomey R, *Medysky ME, *Temesi J, Culos-Reed SN, Millet GY. The relationship between perceived social support and fatigue in individuals who have completed cancer treatment. *21st World Congress of Psycho-Oncology*, Banff, September 23 – 26, 2019.
104. *Khassetarash A, *Vernillo G, *Baggaley, Horvais N, Millet GY, Edwards WB. Lower-extremity Joint Quasi-stiffness in Graded Running. *XXVII Congress of the International Society of Biomechanics* Calgary, July 31 – August 4, 2019.
103. *Besson T, Millet GY, Doutreleau S, Vergès S, Rossi J. Neuromuscular fatigue and recovery after single vs multi stage race. *XXVII Congress of the International Society of Biomechanics* Calgary, July 31 – August 4, 2019
102. *Baggaley M, *Vernillo G, Horvais N, Millet GY, Edwards WB. Maximizing Caloric Expenditure and Minimizing Patellofemoral Joint Loading During Running. *XXVII Congress of the International Society of Biomechanics* Calgary, July 31 – August 4, 2019
101. Morio C, *Besson T, Delattre N, Millet GY, Rossi J. Time-frequency analysis of tibial acceleration: what is the best mother wavelet? *XXVII Congress of the International Society of Biomechanics* Calgary, July 31 – August 4, 2019.
100. *Krüger RL, Peyrard A, di Domenico H, Rupp T, Millet GY, Samozino P. The Optimal Load for a Torque-Velocity Relationship Test on a Cycle Ergometer. *XXVII Congress of the International Society of Biomechanics* Calgary, July 31 – August 4, 2019.
99. Lapole T, Coulondre C, Rupp T, *Souron R, Millet GY. Acute and chronic neuromuscular adaptations to local vibration: Toward a new neuromuscular rehabilitation modality. *24th Annual Congress of the European College of Sport Science*, Prague, 3-6 July, 2019.
98. *Twomey R, *Medysky M, *Temesi J, Culos-Reed SN, Millet GY. Severity of fatigue is associated with cardiorespiratory fitness in cancer survivors. *American College of Sports Medicine's 66th Annual Meeting*, Orlando, Florida, May 28 – June 1, 2019.
97. *Coates K, *Aboodarda SJ, *Krüger R, Jarvis S, Metz L, Millet GY. The Mechanisms of Neuromuscular Fatigue from Cycling and its Relationship to Chronic Fatigue in People with Multiple Sclerosis. *Canadian Society for Exercise Physiology General Annual Meeting*, Niagara Falls, Ontario, October 31 - November 3, 2018.
96. *Lavigne C, *Twomey R, Lau H, Francis G, Culos-Reed SN, Millet GY. Neuromuscular function in people diagnosed with head and neck cancer before versus after cancer treatment: preliminary data. *Canadian Society for Exercise Physiology General Annual Meeting*, Niagara Falls, Ontario, October 31 - November 3, 2018.

95. *Aboodarda SJ, *Cline M, *Zhang XY, Millet GY. Fatiguing exercise in one leg does not impair neuromuscular performance in the contralateral leg but modulates the excitability of the corticospinal pathway. *Canadian Society for Exercise Physiology General Annual Meeting*, Niagara Falls, Ontario, October 31 - November 3, 2018.
94. *Emami N, *Aboodarda SJ, *Varesco G, Iannetta D, Murias JM, Millet GY. The effects of pain on endurance performance, central fatigability, and corticospinal excitability of the contralateral knee extensor muscle: preliminary results. *Canadian Society for Exercise Physiology General Annual Meeting*, Niagara Falls, Ontario, October 31 - November 3, 2018.
93. *Krüger RL, *Aboodarda SJ, *Jaimes LM, Samozino P, Millet GY. Age-related fatigability responses after cycling exercises performed at different intensities-durations. *Canadian Society for Exercise Physiology General Annual Meeting*, Niagara Falls, Ontario, October 31 - November 3, 2018.
92. *Azevedo R, *Milioni F, Bertuzzi R, Millet GY. Kinetics of neuromuscular fatigue during a 4-km cycling time trial. *Canadian Society for Exercise Physiology General Annual Meeting*, Niagara Falls, Ontario, October 31 - November 3, 2018.
91. *Baggaley M, *Vernillo G, Horvais N, Millet GY, Edwards WB. The effect of grade on lower extremity joint contact forces during running. *8th World Congress of Biomechanics*, Dublin (Ireland), July 8-12, 2018.
90. Rupp T, *Mira J, *Floreani M, *Savoldelli A, *Amery K, *Koral, J, *Oranchuk, D, Millet GY. Neuromuscular fatigue in hypoxia revisited. *23rd Annual Congress of the European College of Sport Science*, Dublin, 4-7 July, 2018.
89. *Twomey R, *Martin T, *Temesi J, Culos-Reed SN, Millet GY. Tailored Exercise Interventions to Reduce Fatigue in Cancer Survivors: Design of a Randomized Controlled Trial. *2nd International Behavioural Trials Network Conference*, Montreal, May 24-26, 2018.
88. Matta GG, Bossi AH, Millet GY, Lima P, de Freitas JV, de Lima JP, Hopker JG. Influence of the initial speed on overall performance and running mechanics during 6-hour ultramarathon races. *5th Annual Congress on Medicine & Science in Ultra-Endurance Sports*, Castellón, Spain, May 9-10, 2018.
87. Dowd AJ, Kronlund L, Warbeck C, Wytsma-Fisher K, Gornicki P, Parmar C, Millet GY, Reimer RA, Culos Reed SN. Effects of a 12-week Effects of a Pilot 12-week High Intensity Interval Training and Lifestyle Intervention on Behavioural & Psychosocial Outcomes among Inactive Adults with Celiac Disease. *2018 Society of Behavioral Medicine Annual Meeting*, New Orleans, April 11-14, 2018.
86. *Coates K, *Aboodarda SJ, Jarvis S, Metz L, Millet GY. The mechanisms of neuromuscular fatigue in people with Multiple Sclerosis: Preliminary results. *Canadian Society for Exercise Physiology General Annual Meeting*, Winnipeg, October 25-28, 2017.
85. *Krüger RL. *Aboodarda SJ, *Jaimes LM, Samozino P, Millet GY. Neuromuscular fatigue after cycling exercises at different durations and intensities revisited. *Canadian Society for Exercise Physiology General Annual Meeting*, Winnipeg, October 25-28, 2017.
84. *Krüger RL. *Aboodarda SJ, *Jaimes LM, Samozino P, Millet GY. Velocity and torque contribute distinctively to the reduction of power output after fatiguing cycling exercises of different durations and intensities. *Canadian Society for Exercise Physiology General Annual Meeting*, Winnipeg, October 25-28, 2017.

83. *Aboodarda SJ, *Fan S, Millet GY. Short-term recovery of corticospinal excitability and inhibition. *Canadian Society for Exercise Physiology General Annual Meeting*, Winnipeg, October 25-28, 2017.
82. *Mira J, *Aboodarda SJ, Rupp T, Millet GY. Effects of training on neuromuscular fatigue in cycling. *22nd Annual Congress of the European College of Sport Science*, Metropolis-Ruhr, 5-8 July, 2017.
81. *Doyle-Baker D, *Temesi J, *Medysky ME, Holash RJ, Millet GY. A test to measure neuromuscular fatigue during and immediately after cycling exercise. *American College of Sports Medicine's 64th Annual Meeting*, Denver, Colorado, May 30- June 3, 2017.
80. *Souron R, *Besson T, Lapole T, Millet GY. Effects of 4-weeks of local vibration training on knee extension force production and cortical voluntary activation in elderly and young people. *22nd Annual Congress of the European College of Sport Science*, Metropolis-Ruhr, 5-8 July, 2017.
79. Verges S, Marillier M, *Arnal, P, Le Roux Mallouf, T, *Rupp T, Millet GY. Effects of high-altitude exposure on supraspinal fatigue and corticospinal excitability and inhibition. *International Hypoxia Symposia*, Lake Louise (Canada), 7-12 February 2017.
78. *Doyle-Baker D, *Temesi J, *Medysky ME, Culos-Reed SN, Holash RJ, Millet GY. Validating a new test to measure neuromuscular fatigue during and after cycling exercise in healthy and clinical adult populations. *Canadian Society for Exercise Physiology General Annual Meeting*, Victoria, October 12-15, 2016.
77. *Medysky ME, *Temesi J, Culos-Reed SN, Millet GY. Examining the relationship between cancer-related fatigue and disordered sleep with two-weeks of wrist actigraphy. *Canadian Society for Exercise Physiology General Annual Meeting*, Victoria, October 12-15, 2016.
76. Bourke R, Millet GY, Rouffet DM. Effect of unilateral fatigue in the knee extensors on crank power during sprint cycling. *XXI ISEK Congress*, Chicago, July 5-8, 2016.
75. Samozino P, Descombe F, Pinay M, Kerherve H, Millet GY, Pasqualini M, Rupp T. Physiological and biomechanical adaptations to trail running with calf compression sleeves. *21st Annual Congress of the European College of Sport Science*, Vienna, 6-9 July, 2016.
74. Le Goff C, Gergel  L, Kaux JF, Cavalier E, Millet GY. Impact of a mountain ultra-marathon (UTMB) on cardiac biomarkers. *21st Annual Congress of the European College of Sport Science*, Vienna, 6-9 July, 2016.
73. *Medysky ME, *Temesi J, *Fan SJ, Culos-Reed N, Millet GY. Comparing indices of neuromuscular fatigue with subjective fatigue in cancer survivors. *American College of Sports Medicine's 63rd Annual Meeting*, June 1-4, 2016, Boston.
72. *Maturana F, Millet GY, Murias J. Critical power measurement: Comparison and validation of five time-to-exhaustion trials versus a 3-minute all-out test. *American College of Sports Medicine's 63rd Annual Meeting*, June 1-4, 2016, Boston.
71. *Mira J, Lapole T, *Souron R, Messonnier L, Millet GY, Rupp T. Cortical voluntary activation assessment methodology impacts central fatigue determined after sustained maximal voluntary contractions. *American College of Sports Medicine's 63rd Annual Meeting*, June 1-4, 2016, Boston.
70. *Ly SN, *Temesi J, Millet GY. Reliability of Paired-Pulse Transcranial Magnetic Stimulation in Knee Extensor Muscles. *Canadian Society for Exercise Physiology General Annual Meeting*, October 14-17, 2015, Hamilton.

69. *Temesi J, *Medysky M, Elmeua M, Holash RJ, Millet GY. Neuromuscular fatigue during an incremental cycling test in cancer survivors. *Canadian Society for Exercise Physiology General Annual Meeting*, October 14-17, 2015, Hamilton.
68. *Souron R, Farabet A, Millet GY, Lapole T. Reproducibility of cortical voluntary activation level on tibialis anterior muscle. *18th Annual Congress of the European College of Sport Science*, 24-27 July 2015, Malmo.
67. Girard O, Bula S, Faiss R, Millet GY, Millet GP. Similar influence of prior time-trials performed at different altitudes on subsequent exercise in hypoxia, *Physiology 2015*, 6-8 July 2015, Cardiff, UK.
66. *Giandolini M, Horvais N, Rossi J, Millet GY, Morin JB & Samozino P. Effect of the foot strike pattern adopted during an intense downhill trail running bout on lower limb muscles activity and neuromuscular function, *25th congress of the International Society of Biomechanics*, 12-16 July 2015, Glasgow.
65. *Temesi J, Bachasson D, Gruet M, Yokoyama K, *Rupp T, Verges S & Millet GY. Influence of motor cortical stimulus intensity on assessment of exercise-induced supraspinal fatigue and corticospinal adaptations. *Canadian Society for Exercise Physiology General Annual Meeting*, October 22-25, 2014, St-John's.
64. Millet GY, *Jubeau M, *Rupp T, *Temesi J, Wuyam B & Verges S. Comparison of neuromuscular fatigues induced by prolonged exercise in normoxia and hypoxia. *Canadian Society for Exercise Physiology General Annual Meeting*, October 22-25, 2014, St-John's.
63. *Giandolini M, Gimenez P, Millet GY, Morin JB & Samozino P. Consequences of an ultra-trail on impact and lower limb kinematics in male and female runners. *11th Biennial Footwear Biomechanics Symposium*, July 31st – August 2nd, 2013, Natal, Brazil.
62. *Temesi J, *Rupp T, *Arnal P, *Martin V, Verges S, Millet GY. Effect of a 110-km mountain trail-running race on corticospinal voluntary activation and excitability. *18th Annual Congress of the European College of Sport Science*, Barcelona, 26-29 June, 2013.
61. Saugy J, Place N, Millet GY, Degache F, Schena F, Millet GP. Alterations of neuromuscular function after the world's most challenging mountain ultra-marathon. *18th Annual Congress of the European College of Sport Science*, Barcelona, 26-29 June, 2013.
60. *Temesi J, *Rupp T, Verges S, Millet GY. Effect of a 103-km mountain trail-running race on neuromuscular function. *60th Annual Meeting and 4th World Congress on Exercise is Medicine of the American College of Sports Medicine*, Indianapolis, May 28- June 1, 2013.
59. Verges S, *Jubeau M, *Rupp T, Perrey S, Esteve F, Wuyam B, Levy P, Millet GY. Central alteration during prolonged exercise in normoxia and hypoxia. *International Hypoxia Symposia*, Lake Louise (Canada), 27 February-2 March 2013.
58. *Rupp T, *Jubeau M, Millet GY, Wuyam B, Lévy P, Verges S, Perrey S. Muscle, prefrontal and motor cortex oxygenation profiles during prolonged fatiguing exercise. *The International Society on Oxygen Transport to Tissue*, Bruges, August 13-23, 2012.
57. Verges S, *Rupp T, *Jubeau M, Wuyam B, Millet GY, Perrey S. Tissue oxygenation profiles during prolonged exercise in hypoxia. *European Respiratory Society Annual Congress*, Vienna, September 1-5, 2012.

56. Hureau TJ, Olivier N, Millet GY, Meste O, Blain GM. Exercise performance during repetitive sprints is carefully regulated by the central motor command to limit the development of peripheral fatigue upon a critical threshold. *17th Annual Congress of the European College of Sport Science*, Bruges, Belgium, 4-7 July 2012.
55. *Rupp T, *Jubeau M, Wuyam B, Millet GY, Perrey S, Verges S. Tissue oxygenation profiles during prolonged exercise in hypoxia. *17th Annual Congress of the European College of Sport Science*, Bruges, 4-7 July, 2012.
54. *Jubeau M, *Rupp T, Perrey S, *Temesi J, Wuyam B, Verges S, Millet GY. Changes in cortical activation and excitability during prolonged cycling exercise. *17th Annual Congress of the European College of Sport Science*, Bruges, 4-7 July, 2012.
53. *Temesi J, *Arnal P., Verges S., Millet, GY The effect of 30 h sleep deprivation on exercise cycling performance and central fatigue. *17th Annual Congress of the European College of Sport Science*, Bruges, 4-7 July, 2012.
52. Grenier J, Millet GY, Messonnier L, Morin JB. How does extreme-duration heavy load carriage affect neuromuscular function? *17th Annual Congress of the European College of Sport Science*, Bruges, 4-7 July, 2012.
51. Jamart C, Francaux M, Millet GY, Deldicque L, Frère D, Féasson L. Response of autophagy and ubiquitin-proteasome pathways to ultra-endurance running. *15th International Biochemistry of Exercise Congress*, Stockholm, June 17-21, 2012.
50. Saugy J, Place N, Degache F, Millet GY, Millet GP. Fatigue neuromusculaire induite par un ultra-trail de 340 km et 24000 m de dénivelé positif. Macolin, *4^{ème} congrès annuel de la Société suisse des sciences du sport*, 1 et 2 mars, 2012.
49. *Froyd C, Millet GY, Noakes TD. The development of peripheral fatigue and short-term recovery during self-paced high-intensity exercise. *International symposium 'The Future of Fatigue - Defining the Problem*, Charles Sturt University, 22-24 August, 2011
48. Vergès S, *Rupp T, *Jubeau M, Millet GY, Lety T, Bricout V, Wuyam B, Perrey S. Time-dependent effect of acute hypoxia on brain excitability in healthy humans. *European Respiratory Society Annual Congress*, Amsterdam, September 24-28, 2011.
47. Vergès S, *Rupp T, *Jubeau M, Millet GY, Lety T, Bricout V, Wuyam B, Perrey S. Tissue deoxygenation kinetics induced by acute hypoxic exposure at rest in humans. *European Respiratory Society Annual Congress*, Amsterdam, September 24-28, 2011.
46. *Tomazin K, Morin JB, Strojnik V, Millet GY. Neuromuscular fatigue after treadmill short and long sprints. *16th Annual Congress of the European College of Sport Science*, Liverpool, 6-9 July, 2011.
45. *Muthalib M, Jubeau M, Millet GY, Ferrari M, Kerr G, Nosaka K. Biceps brachii muscle oxygen demand during electrically evoked and voluntary sustained isometric contractions. *16th Annual Congress of the European College of Sport Science*, Liverpool, 6-9 July, 2011.
44. Vitiello D, Nottin S, Bussiere JL, Robach P, Millet GY, Rupp T. Is "cardiac fatigue" appeared after completing the 166 km Ultra-Trail du Mont-Blanc®? *Printemps de la Cardiologie*, Lyon, 2011.
43. Grenier JG, Peyrot N, Samozino P, Millet GY, Messonnier L, Morin JB. Effects of long-duration military exercise on the biomechanics of high-load walking. *American College of Sports Medicine's 58th Annual Meeting*, Denver, May 31 - June 4, 2011.

42. *Muthalib M, Jubeau M, Millet GY, Maffiuletti N, Ferrari M and Nosaka K. Frontal cortex activation during electrical muscle stimulation as revealed by functional near-infrared spectroscopy (fNIRS). *38th Annual Meeting of the International Society on Oxygen Transport to Tissue*, Ascona, Switzerland, July 18th-23rd, 2010
41. *Muthalib M, Millet GY, Nosaka K. The repeated bout effect: influence on biceps brachii oxygenation and myoelectrical activity. *15th Annual Congress of the European College of Sport Science*, Antalya, 23-26 June, 2010.
40. Jubeau M, *Muthalib M, Maffiuletti NA, Millet GY, Nosaka K. Comparison of muscle damage between maximal voluntary and stimulated isometric contractions of the elbow flexors. *15th Annual Congress of the European College of Sport Science*, Antalya, 23-26 June, 2010.
39. *Tomazin K, Verges S, Decorte N, *Oulerich A, Maffiuletti NA, Millet GY. Fat tissue alters quadriceps response to femoral nerve magnetic stimulation. *6th EISCA congress*, Saint-Etienne, May 20-21, 2010.
38. Vergès S, Decorte N, Lafaix PA, Millet GY, Wuyam B. The kinetic of quadriceps muscle fatigue development during constant-load cycling. *European Respiratory Society Annual Congress*, Vienna, September 12-16, 2009.
37. Sabri K, El Badaoui M, Guillet F, A. Belli A, Millet GY. Cyclic analysis of biomechanical signals. *ISIVC*, July 9-11, 2008, Bilbao, Spain.
36. Sabri K, El badaoui M, Guillet F, Belli A, Millet GY. Blind source separation based on cyclic spectra : Application to biomechanical signals”, *EUSIPCO* August 25-29, 2008, Lausanne-Switzerland
35. Vergès S, Decorte N, Lafaix PA, Millet GY, Wuyam B. The kinetic of quadriceps muscle fatigue development during constant-load cycling. *14th Annual Congress of the European College of Sport Science*, Oslo, 24-27 June, 2009.
34. Millet GY . Neuromuscular fatigue after a 24H run. *5th EISCSA Congress*, Luxemburg, 16-18 October, 2008.
33. Millet GY, *Martin V, *Kerhervé H, Messonnier L, *Banfi JC, Geysant A, Féasson L. How fatigued are we after a 24 h run? *13th Annual Congress of the European College of Sport Science*, Estoril, 9-12 July, 2008.
32. Millet GY, Divert C, Banizette M, Morin JB. Alterations of running patterns due to fatigue, cognitive load and map operating in high- and low-level orienteers. *13th Annual Congress of the European College of Sport Science*, Estoril, 9-12 July, 2008.
31. Vergès S, Maffiuletti NA, *Kerhervé, H, Decorte N, Wuyam B, Millet GY. Comparison of electrical and magnetic stimulations to assess knee extensor muscle function. *13th Annual Congress of the European College of Sport Science*, Estoril, 9-12 July, 2008.
30. *Muthalib M, Jubeau M, Millet GY, Maffiuletti NA, Nosaka K. Comparison between voluntary and electrically evoked isometric contractions for muscle oxygenation and blood volume of the biceps brachii muscle. *13th Annual Congress of the European College of Sport Science*, Estoril, 9-12 July, 2008.
29. Jubeau M, *Muthalib M, Millet GY, Maffiuletti NA, Nosaka K. Comparison between electrically evoked and voluntary isometric contractions of the elbow flexor muscles for central and peripheral fatigue. *13th Annual Congress of the European College of Sport Science*, Estoril, 9-12 July, 2008.

28. *Fournet D, *Foissac M, Baly L, Millet GY. Effects of poles stiffness, slope and type of ground on poling forces in hiking *7th Congress of the International Sport Engineering Association*, Biarritz, 2-6 June 2008.
27. Millet GY, *Aubert, D, Favier, F, Benoit, H. Can central limitation explain depreciated endurance performance in hypoxia? *11th Annual Congress of the European College of Sport Science*, Lausanne, 5-8 July, 2006.
26. Millet GY, Perrey S, *Foissac M. The role of engineering in fatigue reduction. *6th Congress of the International Sport Engineering Association*, Munich, July 11-14, 2006.
25. *Foissac M, Millet GY, *Seux J, *Berthollet R. Influence of Hiking Poles' Weight on the Energy Cost of Walking. *6th congress of the International Sport Engineering Association*, Munich, July 11-14, 2006.
24. *Martin V, Millet GY, *Deley G, *Lattier G. Validity of submaximal elicited torques to assess low-frequency fatigue in knee extensor muscles: effect of gender. *9th Congress of the European College of Sport Science* (Clermont-Ferrand), July 3-6 2004.
23. *Lattier G, Millet GY, Martin A. Effects of chronic low frequency stimulation on neuromuscular properties. *9th Congress of the European College of Sport Science* (Clermont-Ferrand), July 3-6 2004
22. *Deley G, Millet GY, Borrani F, *Lattier G. Effects of two type of fatigue on $\dot{V}O_2$ slow component. *8th Annual Congress of the European College of Sport Science*, Salzburg, July 9-12, 2003
21. Borrani F, Maffiuletti N, Millet GY, *Deley G, Candau R, Millet GP, Martin A. Is the slow component of O_2 uptake linked to selective fatigue of slow twitch muscle fibres in humans? *8th Annual Congress of the European College of Sport Science*, Salzburg, July 9-12 2003
20. *Lattier G, Millet GY, *Martin V, Martin A. Recovery of neuromuscular properties after high intensity exercise. *8th Annual Congress of the European College of Sport Science*, Salzburg, July 9-12 2003
19. *Martin V, Millet GY, *Deley G, *Lattier G. Comparison of two methods of electrical stimulation for the evaluation of low-frequency fatigue in humans. *8th Annual Congress of the European College of Sport Science*, Salzburg, July 9-12 2003
18. Place N, *Deley G, Millet GY, Lepers R, Van Hoecke J. Neuromuscular evidence of central fatigue during long-duration running exercise *8th Annual Congress of the European College of Sport Science*, Salzburg, July 9-12 2003
17. Lepers R, Maffiuletti NA, Rochette L, Millet GY. Changes in contractile properties of knee extensors during a 5 hours cycling exercise. *7th Annual Congress of the European College of Sport Science*, Athens, July 24-28 2002
16. *Martin V, Millet GY, *Lattier G. Alteration of neuromuscular function after strenuous eccentric-type exercise in humans. *7th Annual Congress of the European College of Sport Science*, Athens, July 24-28 2002
15. Millet GY, *Martin V, *Lattier G. Strength loss after prolonged running exercise has both central and peripheral origin. *7th Annual Congress of the European College of Sport Science*, Athens, July 24-28 2002
14. *Lattier G, Millet GY, *Martin V. Neuromuscular fatigue following a high-intensity running exercise. *6th Annual Congress of the European College Sport Sciences*, Cologne, 2001

13. Lepers R, Millet GY, Maffiuletti NA, Babault N. Neuromuscular fatigue following cycling exercise: effect of pedalling rate. *5th Annual Congress of the European College of Sport Science*, Jyväskylä, July 24-28 2000
12. *Perrey S, Millet GY, Candau R, J.D. R. Stretch-shortening cycle in roller ski skating: effects of speed. *4th Annual Congress of the European College of Sport Science*, Rome, July 14-17 1999
11. Hoffman MD, Millet GY, Zeni A, Candau R. Wheelchair drag resistance: a comparison of different wheelchairs and ground surfaces. *Meeting of the American Academy of Physical Medicine and Rehabilitation*, Seattle, November 5-8 1998
10. Millet GY, *Perrey S, Candau R, Belli A, Borrani F, Rouillon J.D. External loading does not change energy cost and mechanics of roller ski skating. *3rd Annual Congress of the European College of Sport Science*, Manchester, July 15-18 1998
9. *Perrey S, Millet GY, Candau R, Rouillon J.D. Stretch-shortening cycle in roller ski skating: effects of technique. *3rd Annual Congress of the European College of Sport Science*, Manchester, July 15-18 1998
8. Candau R, Belli A, Millet GY, Georges D, Barbier B, Rouillon JD. Energy cost and running mechanics during a treadmill run to volitional exhaustion. *European Congress of Sport Science*, Copenhagen, August 20-23 1997
7. Hoffman MD, Millet GY, Candau R, Clifford PS. Ski skating technique affects upper body demands in roller skiing. *Annual Congress of American College of Sport Medicine*, Denver, May 28-30 1997
6. Millet GY, Hoffman MD, Candau R, Clifford PS. High resistance roller skis induces higher upper body demands than low resistance roller skis in ski skating. *Annual Congress of American College of Sport Medicine*, Denver, May 28-30 1997
5. Georges D, Candau R, Millet GY, Belli A, Rouillon JD. Mechanical and energy costs during exhaustive treadmill running. *The 1996 International Pre-Olympic Scientific Congress*, Dallas, July 10-14 1996
4. Gros Lambert A, Candau R, Abt L, Millet GY, Predine E, Rouillon JD. Effects of exercise on psycho-motor aptitudes in soccer. *The 1996 International Pre-Olympic Scientific Congress*, Dallas, July 10-14 1996
3. Millet GY, Hoffman MD, Candau R, Clifford PS. The effects of skating technique on poling forces in roller skiing. *First Annual Congress of European College of Sport Science*, Nice, May 28-31 1996
2. Millet GY, Millet GP, Candau R, Rouillon JD. Effects of cycling on running energy cost and running mechanics in elite triathletes. *The 1996 International Pre-Olympic Scientific Congress*, Dallas, July 10-14 1996.
1. Millet GY, Candau R, Rouillon JD. Relationship between performance in cross-country skiing and maximal external power output in 15 subjects. *XVth Congress of the International Society of Biomechanics*, Jyväskylä, July 2-6 1995

National communications

*: represents trainees under my supervision.

78. Espeit L, Maffiuletti NA, Gondin J, Millet GY, Rozand V, Lapole T. Acute and chronic effects of high-intensity neuromuscular electrical stimulation of the quadriceps with wide vs. narrow pulses. 20^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS), Reims, 31 octobre-2 novembre 2023.

77. *Luneau E, Rozand V, Millet GY. Comment expliquer la baisse de puissance chez les personnes âgées ? 21^{èmes} Journées d'Études Francophones en Activité Physique Adaptée, Nantes, 29-31 mars 2023.

77. *Bertrand M, Varesco G, Millet GY, Féasson L, Lapole T, Rozand V. Effets du vieillissement sur la performance et la fatigabilité des femmes pendant des tâches fatigantes isométriques, concentriques et sur vélo. 21^{èmes} Journées d'Études Francophones en Activité Physique Adaptée, Nantes, 29-31 mars 2023.

77. Lapole T, *Le Mat Y, Féasson L, Rossi J, Géry M, Rozand V, Millet GY. Mise en place d'un programme d'activité physique individualisé à domicile chez les patients FSHD – Vers une réduction de la fatigabilité et de la fatigue perçue ? 21^{èmes} Journées d'Études Francophones en Activité Physique Adaptée, Nantes, 29-31 mars 2023.

76. *Mira J, Rimaud D, Millet GY, Gergelé L. The effects of an exercise and nutrition intervention on neuromuscular function, fatigue and quality of life in colorectal cancer. Colloque La fatigue liée au cancer et bien-être subjectif - Approches pluridisciplinaires, Le Mans, 14-15 septembre 2022.

75. Dalmais E, Coulondre C, *Souron R, Rambaud A, Espeit L, Neri T, Pinaroli A, Estour G, Millet GY, Rupp T, Féasson L, Edouard P, Lapole T. Apport de la vibration locale dans la récupération de la force des extenseurs du genou lors de la phase initiale de rééducation après une reconstruction du LCA. 15^{ème} Congrès national de médecine et traumatologie du sport, Nancy, 14-16 septembre 2022.

74. *Royer N, *Mira J, *Lepetit N, *Fayolle E, Camdessanché JP, Millet GY. Benefits of individualized training in fatigued patients with multiple sclerosis. 5^{èmes} Journées de Neurophysiologie Clinique. Saint-Etienne, 29 juin –1^{er} juillet, 2022.

73. *Kennouche D, Foschia C, *Brownstein CG, Gondin J, Lapole T, Rimaud D, *Royer N, Thierry G, Gauthier V, Oujamaa L, Sorg M, Vergès S, Doutreleau S, Marillier M, Prudent M, Bitker L, Féasson L, Gergelé L, Stauffer E, Guichon C, Morel J, Millet GY. Neuromuscular and cardiorespiratory functions in COVID-19 survivors after an ICU stay. 64^{ème} congrès annuel de la SFAR, Paris, 22-24 Septembre 2022.

72. *Kennouche D, *Luneau E, *Pflieger A, *Souron R, Thierry N, Lapole T, Gondin J, Millet GY, Morel J. Validation of a bedside ergometer dedicated to longitudinal evaluation of quadriceps neuromuscular function in sedated and awake intensive care unit patients. 64^{ème} congrès annuel de la SFAR, Paris, 22-24 septembre 2022.

71. Lloria-Varela J, *Besson T, Varesco G, Espeit L, *Kennouche D, Delattre N, Millet GY, Morio C, Rossi, J. Running pattern changes with fatigue in trail running: do shoes fatigue play a role? V Congreso Internacional de Carreras por Montaña, Universitat Jaume I de Castellón de la Plana, April 1-3, 2022.

70. *Kennouche D, Foschia C, *Brownstein CG, Gondin J, Lapole T, Rimaud D, *Royer N, Thierry G, Gauthier V, Oujamaa L, Sorg M, Vergès S, Doutreleau S, Marillier M, Prudent M, Bitker L, Féasson L, Gergelé L, Stauffer E, Guichon C, Morel J, Millet GY. Neuromuscular and cardiorespiratory function of COVID-19 survivors after ICU stay. 18^{èmes} journées de la Société Française de Myologie, Saint-Etienne, 24-26 novembre 2021.
69. Kennouche D, Luneau E, Souron R, Thierry N, Lapole T, Gondin J, Millet GY, Morel J. Validation of a bedside ergometer dedicated to longitudinal evaluation of neuromuscular function in intensive care unit patients. 18^{èmes} journées de la Société Française de Myologie, Saint-Etienne, 24-26 novembre 2021.
68. *Collet S, Testa R, Rimaud D, Rossi J, Millet GY, Calmels P. Comparaison de deux méthodes de mesure du coût énergétique de la marche après AVC. 36^{ème} congrès de la SOFMER, Lille, 14-16 octobre 2021.
67. *Perrin TP, Rossi J, Kerhervé HA, Millet GY. Effects of shoe longitudinal bending stiffness on running economy and biomechanics on graded running. 19^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS), Montpellier, 27-29 octobre 2021.
66. *Royer N, *Pfenninger C, *Brownstein CG, Camdessanché JP, Millet GY. Neuromuscular origin of chronic fatigue among patients with multiple sclerosis. 19^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS), Montpellier, 27-29 octobre 2021.
65. Espeit L, Rozand V, Millet GY, Maffiuletti NA, Lapole T. The use of anthropometric measurements to estimate current intensity required to electrically evoke muscle contraction. 19^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS), 27-29 octobre 2021, Montpellier.
64. Lapole T, Varesco G, *Kennouche D, Espeit L, Féasson L, Souron R, Rozand V, Millet GY. How can prolonged local vibration exposure influence central nervous system excitability? 19^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS), 27-29 octobre 2021, Montpellier.
63. *Kennouche D, Foschia C, *Brownstein C, Gondin J, Lapole T, Rimaud D, *Royer N, Thierry G, Gauthier V, Giroux P, Oujamaa L, Sorg M, Vergès S, Doutreleau S, Marillier M, Prudent M, Féasson L, Gergelé L, Stauffer E, Guichon C, Morel J, Millet GY. Recovery of neuromuscular and cardiorespiratory functions in COVID-19 survivors after an ICU stay. 19^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS), 27-29 octobre 2021, Montpellier.
62. *Sabater Pastor F, *Le Mat F, *Le Mat Y, Bourdillon N, Millet GP, Millet GY. Effects of an 8-week lockdown due to Covid-19 on training habits, stress, fatigue and sleep habits in trail runners. 19^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS), 27-29 octobre 2021, Montpellier.
61. Varesco G, *Luneau E, Millet GY, Féasson L, Lapole T, Rozand V. Effects of age on neuromuscular fatigue: comparison between local isometric, local dynamic and cycling task. 19^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS), 27-29 octobre 2021, Montpellier.
60. *Le Mat Y, Casali C, *Le Mat F, Géry M, Rossi J, Millet GY. Self-autonomous evaluation station and tailored training algorithm to improve quality of life and physical capacities in sedentary adults. 19^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS), 27-29 octobre 2021, Montpellier.

59. Morio CYM, *Besson T, Millet GY, Rossi J. Effect of motion control shoes on rearfoot eversion in male and female runners. *46^{ème} Congrès Annuel de la Société de Biomécanique*, Saint-Etienne, 25-27 octobre 2021.
58. Fouré A, *Besson T, Féasson L, Hautier VA, Millet GY. Assessment of the relative change in passive muscle shear wave velocity to discriminate extent of muscle damage after trail running races. *46^{ème} Congrès Annuel de la Société de Biomécanique*, Saint-Etienne, 25-27 octobre 2021.
57. Perrin TP, Morio C, Besson T, Kerhervé H, Millet GY, Rossi J. Comparison of foot and shoe marker placement on metatarsophalangeal joint kinetics and kinematics during running. *46^{ème} Congrès Annuel de la Société de Biomécanique*, Saint-Etienne, 25-27 octobre 2021.
56. Dalmais E, Coulondre C, *Souron R, Rambaud A, Espeit L, Neri T, Pinaroli A, Estour G, Millet GY, Rupp T, Féasson L, Edouard P, Lapole T. Apport de la vibration locale dans la récupération de la force des extenseurs du genou lors de la phase initiale de rééducation après une reconstruction du LCA : étude de faisabilité randomisée et contrôlée. *14^{ème} Congrès commun SFMES-SFTS*, Paris, 23-25 septembre 2021.
55. Rossi J, *Besson T, Poncet D, Millet GY, Morio C. Intra and inter reliability of a new method for evaluating toes flexor strength: preliminary study. *45^{ème} Congrès Annuel de la Société de Biomécanique*, Metz, 26-28 octobre 2020.
54. Fournier B, Nicolas-Virelizier E, Russo C, Pérol O, Millet GY, Gilis L, Terret C, Michallet M, Fervers B. Protocole d'une étude de faisabilité d'un programme individualisé en activité physique chez des patients âgés atteints d'hémopathies malignes : le projet OCAP. *18^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, 29-31 octobre 2019, Paris.
53. *Souron R, Morel J, Gergelé L, Lapole T, Millet GY. Evaluation de la sensation de fatigue chronique chez des patients ayant séjourné en service de réanimation. *18^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, 29-31 octobre 2019, Paris.
52. *Sabater Pastor F, *Besson T, *Berthet M, Varesco G, *Kennouche D, Rossi J, Millet GY. Physiological Differences Between Elite Male Trail vs Road Runners. *18^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, 29-31 octobre 2019, Paris.
51. Fournier B, Nicolas-Virelizier E, Russo C, Pérol O, Millet GY, Gilis L, Terret C, Michallet M, Fervers B. Protocole d'une étude de faisabilité d'un programme individualisé en activité physique chez des patients âgés atteints d'hémopathies malignes: le projet OCAP. *CLARA 2019 Cancer Research Forum*, Lyon, April 4-5, 2019.
50. *Coates K, *Aboodarda SJ, Jarvis S, Giroux E, Metz L, Millet GY. The mechanisms of fatigability from whole-body exercise and its relationship to chronic fatigue in people with multiple sclerosis: Preliminary results. *3rd Annual University of Alberta Multiple Sclerosis Symposium*, Edmonton, May 4th, 2018.
49. *Souron R, *Besson T, Millet GY, Lapole T. Augmentation de la force volontaire de sujets jeunes et âgés après un entraînement par vibration locale. *45^{ème} Congrès national de la Société Française des Masseurs-Kinésithérapeutes (SFMKS)*, Saint Etienne, 27- 28 avril 2018.
48. Dowd AJ, Kronlund L, Millet GY, Reimer RA, Culos Reed SN. Effects of a 12-week High Intensity Interval Training and Lifestyle Intervention on Physiological Outcomes among Inactive Adults with Celiac Disease. *Active Living Research Annual Conference*, February 11-14, 2018, Banff.

47. Gaudino M, Millet GY, Nicolas M. Comment la récupération peut-elle être influencée chez l'ultra-marathonien: étude de l'intelligence émotionnelle. *17^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, 29-31 octobre 2017, Dijon.
46. *Souron R, *Besson T, Millet GY, Lapole T. Entraînement par vibration locale: quels bénéfices sur la force musculaire ? Journée de la Recherche de l'école doctorale Ingénierie Santé, Saint-Etienne, 15 juin 2017.
45. *Souron R, *Besson T, Lapole T, Millet GY. Effets d'un entraînement par vibration locale sur les propriétés fonctionnelles et cortico-spinales des muscles extenseurs du genou : comparaison entre une population jeune vs. âgée. *17^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, 29-31 octobre 2017, Dijon.
44. *Koral J, *Oranchuk DJ, Herrera R, Millet GY. Six Sessions of Sprint Interval Training in the Field Improves Running Performance in Trained Athletes. The 11th annual SPIN Summit, Calgary, November 16-18, 2016.
43. *Baggaley M, *Vernillo G, Horvais N, Millet GY, Edwards WB. Effects of step length and grade on energy absorption at the knee during running. *17th Annual Alberta Biomedical Engineering Conference*, Banff, October 21-23, 2016.
42. Kerhervé H, Pinder R, Cole-Hunter T, Wiegand A, Millet GY, Solomon C. Measures of performance in trail running. *10th Euro-mediterranean Science Days, Factors of performance in trail running session*, Université de Toulon, France. April 26th, 2016.
41. *Souron R, Farabet A, Féasson L, Belli A, Millet GY, Lapole T. Adaptations nerveuses cortico-spinales suite à un entraînement de 8 semaines par vibrations localisées du muscle tibial antérieur. *31^{ème} Congrès de la Société Française de Médecine Physique et de Réadaptation*, Saint Etienne, 13-15 octobre 2016.
40. Decourt A, Coudy-Gandilhon C, Millet GY, Polge C, Combaret L, Taillandier T, Attaix D, Chambon C, Féasson F, Béchet D. The coordinated up-regulation of the ubiquitin-proteasome and autophagy-lysosomal pathways strongly alters the Human muscle proteome during ultra-endurance exercise. *Journée de l'Académie de Médecine*, Saint-Etienne, 16 Mai 2016.
39. Berthon P, Messonnier L, Feasson L, Dubouchaud H, Millet GY Contenu musculaire en GLUT4, MCT1 et MCT4 en réponse à l'exercice d'ultra-endurance en course à pied de 24h. *16^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, 26-28 octobre 2015, Nantes.
38. Gaudino M, Millet GY, Martinent G, Nicolas M. Evaluations cognitives d'un Ultra-Marathon en Montagne : impacte sur les états de Récupération-Stress. *16^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, 26-28 octobre 2015, Nantes.
37. Gaudino M, Millet GY, Nicolas M. Les états de Récupération-Stress après un Ultra-marathon en montagne : une étude longitudinale. Journées nationales de la Société Française de Psychologie du Sport, Aix-en-Provence, 29 et 30 Avril 2015.
36. Gruet M, *Temesi J, Bachasson D, Rupp T, Millet GY, Vergès S Fatigue musculaire et stimulation magnétique transcrânienne : aspects méthodologiques. *16^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, 26-28 octobre 2015, Nantes.

35. *Souron R, Farabet A, Millet GY, Lapole T. Reproductibilité intra- et inter-session du niveau d'activation cortical du muscle tibial antérieur. *16^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, 26-28 octobre 2015, Nantes.
34. *Arnal P, *Temesi J, Verges S, Martin V, Samozino P, Millet GY. Effets d'une nuit de privation de sommeil sur la performance maximale et la fatigue centrale. *15^{ème} Congrès international de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, Grenoble, 29-31 octobre 2013.
33. Gergelé L, Baillieul S, Mariat C, Cavalier E, Millet GY. Agression rénale aigue au décours de l'Ultra-Trail du Mont-Blanc. *15^{ème} réunion commune de la Société de Néphrologie et la Société Francophone de Dialyse*, Nantes, 8-11 octobre 2013.
32. *Bankolé LC, *Temesi J, Millet GY, Wuyam B, Bachasson D, Kadi F, Antoine JC, Féasson L. Effets d'un programme d'entraînement mixte de 6 mois chez des patients porteurs d'une FSHD : bénéfiques fonctionnels, tissulaires et sur la qualité de vie. *Colloque Jeunes Chercheurs de l'AFM*, Paris, 14 juin 2013.
31. Hureau TJ, Olivier N, Millet GY, Meste O, Blain GM. Influence de la fatigue musculaire périphérique sur le niveau d'activité de la commande motrice centrale et la performance au cours de sprints répétés. *9^{ème} journée de l'Ecole Doctorale Sciences du Mouvement Humain*, Marseille, France, May 2013.
30. *Bankolé C, Millet GY, *Temesi J, Wuyam B, Bachasson D, Kadi F, Antoine JC, Carlier P & Féasson L. Exercice et FSHD : Résultats préliminaires des effets d'un programme d'entraînement de 6 mois. Etude contrôlée randomisée. In *10^{èmes} Journées Annuelles de la Société Française de Myologie*. Grenoble, 2012.
29. Peltier S, Vincent L, Millet GY, Sirvent P, Morin JB, Guerraz M, Geysant A, Lescuyer JF, Féasson L and Messonnier L. Carbohydrate-BCAAs-caffeine ingestion attenuates central fatigue during 2-h run : a randomized, double-blind, cross-over placebo-controlled study. *XIV^{ème} Congrès International des Chercheurs en Activités Physiques et Sportives*, Rennes, 24-26 Octobre 2011
28. *Jubeau. M, *Rupp T, Wuyam. B, Vergès S, Millet GY. Central changes after hypoxia exposure and maximal cycling exercise *6^{ème} Congrès de Physiologie, Pharmacologie et Thérapeutique*. Grenoble 22-24 mars 2011.
27. *Rupp T, *Jubeau M, Millet GY, Lety T, Bricout V, Wuyam B, Perrey S, Vergès S. Tissue deoxygenation kinetics induced by acute hypoxic exposure at rest in humans. *6^{ème} Congrès de Physiologie, Pharmacologie et Thérapeutique*. Grenoble 22-24 mars 2011.
26. *Tomazin K, Verge S, Decorte N, *Oulerich A, Maffioletti NA, Millet GY. Fat tissue alters quadriceps response to femoral nerve magnetic stimulation. *2^{ème} journée IFRESIS*, Saint-Etienne, 26 novembre 2009.
25. Morin JB, Samozino P, Millet GY. Running mechanics changes in acute and chronic long distance running : 24h run and Paris-Beijing trip. *XIII^{ème} Congrès International des Chercheurs en Activités Physiques et Sportives*, Lyon, 28-30 Octobre 2009.
24. Millet GY, Lepers R. Fatigue neuromusculaire et exercice prolongé, *XI^{ème} Congrès International des Chercheurs en Activités Physiques et Sportives*, Paris, 26-28 Octobre 2005.
23. Rivet G, Calmels P, Millet GY, Camdessanché JP, Gautheron V. Troubles de l'équilibre au cours de la maladie de Charcot Marie Tooth. Rôle déterminant du triceps sural dans la genèse et/ou la compensation de l'instabilité. *2^{èmes} Journées Annuelles de la Société Française de Myologie*, St Etienne, 21 et 22 Octobre 2004

22. *Deley G, Millet GY. Recrutement des fibres rapides et composante lente de $\dot{V}O_2$. *Forum des Jeunes Chercheurs*, Besançon, juin 2002
21. *Lattier G, Millet GY, *Martin V, Martin A. Neuromuscular alterations after high intensity exercise. *XXVII^{ème} congrès de la Société de Biomécanique*, Valenciennes, Septembre 12-13th 2002
20. *Lattier G, Millet GY, *Martin V, Martin A. Effets du mode de récupération sur la performance suite à un exercice de haute intensité. *3^{ème} Forum des Jeunes Chercheurs*, Besançon, 13-14 Juin 2002
19. *Martin V, Millet GY, *Lattier G. Alterations de la fonction neuromusculaire après un exercice excentrique. *3^{ème} Forum des Jeunes Chercheurs*, Besançon, 13-14 Juin 2002
18. *Martin V, Millet GY, *Lattier G. Altered neuromuscular function after strenuous eccentric exercise. *XXVII^{ème} congrès de la Société de Biomécanique*, Valenciennes, 12-13 Septembre 2002
17. Borrani F, Candau R, Fuchslocher J, Perrey S, Millet GY, Rouillon JD. Puissance mécanique et composante lente de la cinétique de $\dot{V}O_2$ chez 12 coureurs à pied. *3^{ème} colloque biologie de l'exercice musculaire*, Clermont-Ferrand, 18-19 mai 2001
16. *Lattier G, Millet GY, *Martin V. Fatigue neuromusculaire à la suite d'un exercice de course à pied de haute intensité. *2^{ème} Forum des Jeunes Chercheurs*, Dijon, Juin 2001
15. Millet GY. Altérations neuro-musculaires induites par un marathon en ski de fond. *IX^{ème} Congrès International des Chercheurs en Activités Physiques et Sportives*, Valence, 1-3 Novembre 2001
14. Borrani F, Candau R, Fuchslocher J, *Perrey S, Millet GY, Rouillon JD. Composante lente de $\dot{V}O_2$ et recrutement progressif des fibres rapides. *VIII^{ème} Congrès International de l'ACAPS*, Macolin, 31 octobre-3 novembre 1999
13. Borrani F, Candau R, *Perrey S, Millet GY, Fuchslocher J, Rouillon JD. Composante lente et recrutement progressif des fibres rapides chez 13 coureurs à pied entraînés. *2^{ème} colloque biologie de l'exercice musculaire*, Clermont-Ferrand, 28-29 mai 1999
12. Candau R, Ridoux PE, Millet GY, Coste O, Mallau S, Loubet M, Bénézis C, Rouillon JD. Modèle énergétique de la marche : comparaison de 6 sujets coxarthrosiques et de 6 sujets sains. *VIII^{ème} Congrès International de l'ACAPS*, Macolin, 31 octobre-3 novembre 1999
11. Fuchslocher J, Borrani F, Candau R, *Perrey S, Millet GY, Rouillon JD. Composante lente de $\dot{V}O_2$: influence de l'entraînement et du mode de contraction. *VIII^{ème} Congrès International de l'ACAPS*, Macolin, 31 octobre-3 novembre 1999
10. *Perrey S, Candau R, Millet GY, Borrani F, Rouillon JD. Chute de la consommation d'oxygène à la fin d'un exercice exhaustif chez des coureurs à pied bien entraînés. *2^{ème} colloque biologie de l'exercice musculaire*, Clermont-Ferrand, 28-29 mai 1999
9. Millet GP, Millet GY, Candau R, Rouillon J.D. Relation entre facteurs mécaniques et coût énergétique en course à pied à la suite d'une épreuve épuisante sur ergocycle : effet du niveau de pratique. *Colloque Biologie de l'exercice musculaire*, Clermont-Ferrand, 30-31 mai 1997
8. Millet GP, Millet GY, Candau R, Coste O. Modifications des coûts énergétique et mécanique de la course à pied dans trois population de triathlètes. *Entretiens de l'INSEP : 1^{er} symposium Triathlon Sydney 2000*, Paris, 1 février 1997
7. Millet GY, Hoffman MD, Candau R, Clifford PS. Modifications de la fréquence de cycle en ski de fond : effet sur la $\dot{V}O_2$ et sur les forces appliquées aux bâtons. *Congrès International de l'ACAPS*, Marseille, 3-5 novembre 1997

6. Georges D, Millet GY, Candau R, Rouillon JD. Effet d'un exercice épuisant sur le coût énergétique et le coût mécanique chez 15 coureurs de niveau régional. *Congrès de la Société Française de Biomécanique*, Nancy, 24 septembre 1996
5. Gros Lambert A, Candau R, Abt L, Millet GY, Prédine E, Rouillon J.D. Influence de l'exercice sur les aptitudes psycho-motrices au football. *39^{ème} Congrès national médical de la Fédération Française de Football*, Châteauroux, 20-21 septembre 1996
4. Gros Lambert A, Hinzy F, Millet GY, Rouillon JD. Effet de l'exercice sur le temps de réaction visuel au tennis. *XVI^{ème} Congrès National Scientifique de la Société Française de Médecine du Sport*, Strasbourg, 20-22 juin 1996
3. Millet GY, Hoffman MD, Candau R, Clifford PS. Effets de la pente sur les forces appliquées aux bâtons en pas de patineur en ski de fond. *Congrès de la Société Française de Biomécanique*, Nancy, 24 septembre 1996
2. Millet GY, Hoffman MD, Candau R, Clifford PS. Forces appliquées aux bâtons dans deux techniques similaires lors du déplacement en ski de fond en pas de patineur. *XVI^{ème} Congrès National Scientifique de la Société Française de Médecine du Sport*, Strasbourg, 20-22 juin 1996
1. Millet GY, Millet GP, Candau R, Rouillon JD. Altération du coût énergétique et des aspects mécaniques de la foulée chez des triathlètes de haut-niveau. *XV^{ème} Congrès National Scientifique de la Société Française de Médecine du Sport*, Troyes, 22-23 juin 1995

2. 2) Other publications

Books

Millet GY, Nicot F

Réussir son UTMB®

Outdoor Editions (Lyon)

321 pages

2017



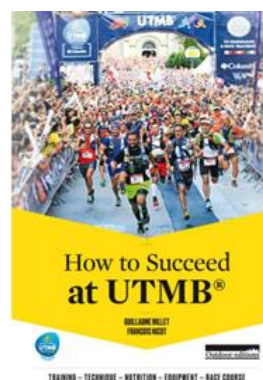
English version

How to succeed at UTMB®

Outdoor Editions (Lyon)

321 pages

2017



Millet GY

Ultra-trail : plaisir, performance et santé

Outdoor Editions (Lyon)

320 pages + 1 DVD

2012



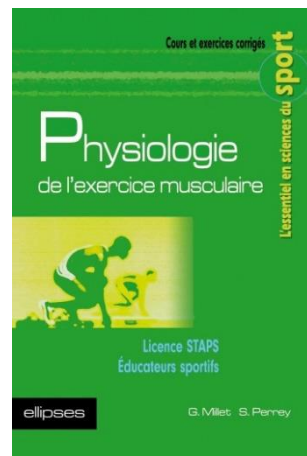
Millet GY, Perrey S

Physiologie de l'exercice musculaire

Ellipses (Paris)

250 pages

2004



Laure P, Millet GY.

La forme au quotidien

Ellipses (Paris)

224 pages

2002



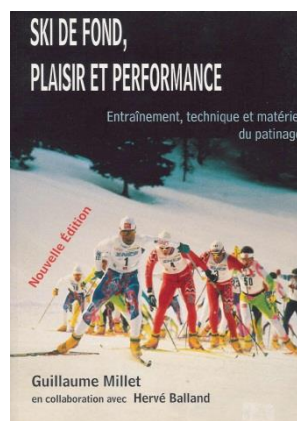
Millet GY.

Ski de fond, plaisir et performance

Desiris (Méolan-Revel)

263 pages

1997



Book chapters

7. *Sabater Pastor F, Morel B, Messonnier LA, Millet GY. La fatigue aigue : signature sur les performances de l'athlète et stratégies pour la combattre. In 'Sciences du sport et préparation physique des athlètes : De la théorie à la pratique', Editors: Dupuy O and Berryman N, Presses de l'Université du Québec, 2022, in press.
6. Millet GY, Martin V, Temesi J. Fatigue centrale et sommeil dans les épreuves d'ultra-endurance. In 'L'ultra endurance : de la physiologie à la pathologie', Editors: Julia M, Daviet JC, Perrey S, Librairie Sauramps, 2019, pp 17-22.
5. Millet GY, Temesi, J. Neural adaptations to endurance training. In 'Concurrent Aerobic and Strength Training – Scientific Basics and Practical Applications', Editors: Bent Ronnestad and Moritz Schumann, Springer, 2019, pp35-50.
4. Millet GY. Récupérer après un trail et un ultra-trail. In 'Améliorer sa récupération en sport' Editor: Hausswirth C, Insep, 2013, pp 386-391.
3. Millet GY. Récupération active et performance sportive. In 'Récupération et performance en sport', Editor: Hausswirth C, Insep, 2010, pp 309-316.
2. Millet GY. Mécanismes centraux de la fatigue musculaire. In 'Fatigue musculaire' (sous la direction de) Editors: Julia M, Perrey S, Dupeyron A, Croisier JL, Codine P & Hérisson C. Masson, 2010, pp 18-30.
1. Millet GY, Perrey S. Lutter contre la fatigue générale et musculaire. In 'L'Endurance', Editor: Millet GP, Editions EPS (Paris), 2006, pp 49-66.

Scientific popularization

Magazine edition

Millet GY. (sous la direction de). Hors-Série trail Endurance magazine 2011. 114 pages



More than 20 "Avis de Recherche" in *Sport et Vie*



65. Millet GY. A la mode du green exercise. *Sport et Vie* n°196 : 38-45, 2023.
64. Millet GY. Fatigue à volonté. *Sport et Vie* n°193 : 28-33, 2022.
63. Millet GY. Soigner le mal par le mal. *Sport et Vie* n°191 : 14-19, 2022.
62. Millet GY. Mais qu'est-ce qui freine ? *Sport et Vie* n°171 : 52-59, 2018.
61. Millet GY. Le secret des nerfs d'acier. *Sport et Vie* n°168 : 16-23, 2018.
60. Millet GY. Question des cols. *Sport et Vie* Hors-Série n°45 : 36-44, 2016.
59. Temesi J, Millet GY. Neuromuscular Changes in Ultra-endurance Running. *Dansk Sportsmedicin* 4: 11-12, 2015
58. Millet GY. Sommeil et ultra-endurance. *Santé Sport Magazine*, 2013.
57. Millet GY. Faut-il s'étirer après le sport ? *Pour la science* 430, 2013.
56. Millet GY. Les bâtons en trail : ça marche ! *Cardio & Sport* n°34 : 21-23, 2013.
55. Millet GY. Conséquences physiologiques et cérébrales d'un ultra-trail, *Santé Sport Magazine* n°18 : 24-27, 2012.
54. Millet GY. L'ultra en questions ? *Endurance* Hors-Série Trail n°5 : 56-60, 2012.
53. Arnal P, Millet GY. Le sport est-il un bon somnifère? *Sport et Vie* n°131 : 10-19, 2012.

52. Millet GY. Les nuits de la pleine lune *Sport et Vie* n°130 : 10-17, 2012.
51. Millet GY. Du nouveau sous le sommeil. *Sport et Vie* n°129 : 22-29, 2011.
50. Millet GY. La récupération du trilater : pourquoi, quand, comment ? *Endurance Hors-Série Trail* n°4 : 48-53, 2011
49. Gergelé L, Millet GY. Ultra-trail : est-ce vraiment raisonnable ? *Endurance Hors-Série Trail* n°4 : 78-81, 2011.
48. Millet GY. Rendez-vous dans deux heures *Sport et Vie* n°126 : 12-17, 2011.
47. Millet GY. L'UTMB® : quelles conséquences pour l'organisme ? *Ultrafondus* 78 : 62-67, 2011.
46. Millet GY. L'âge de la performance, *Ultrafondus* n°70 : 62-65, 2010.
45. Millet GY. Fatigue et ultra-trail : quand la tête protège les jambes, *Endurance Hors-Série Trail* n°3 : 56-65, *Endurance*, 2010.
44. Millet GY. L'ultra-physiologie en 6 questions, *Sport et Vie*, Hors-Série n°29, 2009.
43. Millet GY. Récupération : le plus est l'ennemi du bien. *Endurance Hors-Série Trail* n°1, 2008.
42. Millet GY. Qu'est-ce qui fait le bon trilater ? Hors-Série Trail n°1, *Endurance*, avril 2008.
41. Millet GY. Les bâtons en question. Hors-Série Trail n°1, *Endurance*, avril 2008.
40. Millet GY. Branchés sur le sectaire, *Ultrafondus* 46: 4-15, 2007.
39. Millet GY. Comment préparer l'Ultra-Trail du Mont-Blanc ? *Ultrafondus* 33: 24-32, 2006.
38. Millet GY. Stratégie UTMB : comment ne pas tout gâcher. *Ultrafondus* 34, 2006.
37. Millet GY. Musculation et ultra-marathon. *Ultrafondus* 9: encart central détachable, 2004.
36. Millet GY. Sexe, mensonge et performance. *Sport et Vie* 81: 46-55, 2003.
35. Millet GY. Les pièges de l'endurance. *Sport et Vie* 74: 20-25, 2002.
34. Millet GY. Récupération : l'entraînement invisible. *Ski de fond* 37: 24-26, 2002.
33. Millet GY. La diététique en raid : l'autre discipline du multi-sport. *Endurance* 34: 56-57, 2002.
32. Millet GY. Le marathon est-il dangereux pour les genoux ? *VO₂ marathon* 136: 49, 2002.
31. Millet GY. Les femmes peuvent-elles battre les hommes sur ultra-marathon ? *VO₂ marathon* 135: 35, 2002.
30. Millet GY. Supplémentation en Vitamine C - Protéines et boissons de récupération - Qualités musculaires et course de fond. *VO₂ marathon* 134: 33, 2002.
29. Millet GY. Quelques conseils pour mieux gérer votre raid. *Endurance* 32: 58-60, 2002.
28. Millet GY. Une saison de raid : la préparation spécifique. *Endurance* 31: 78-80, 2002.
27. Millet GY. La forme à domicile. *Sport et Vie* 70: 12-14, 2002.
26. Millet GY. On ne vit que deux fois. *Sport et Vie* 71: 36-39, 2002.
25. Millet GY, Goetghebuer G. De grandes illusions... *Sport et Vie* 65: 52-57, 2001.
24. Millet GY. Un raid en labo. *Endurance*, 2001.
23. Millet GY. Un sport de fondeur. *Ski de fond* 36: 19-22, 2001.
22. Millet GY. Une saison de raid : la préparation hivernale. *Endurance* 30: 81-83, 2001.


21. Millet GY. Les conséquences physiologiques d'un trail long. *Endurance* 22: 64-65, 2001.
20. Millet GY. L'intérêt de la musculation. *Endurance* 25: 70-72, 2001.
19. Millet GY. Malin comme un muscle. *Sport et Vie Hors-Série* 13: 26-28, 2001.
18. Perrey S, Millet GY. Quelle musculation pour le ski de fond ? (2). *Ski de fond* 35, 2000.
17. Millet GY. A ski de fond la caisse. *Sport et Vie Hors-Série* 11: 44-45, 2000.
16. Millet GY. La fable du marathonien et du culturiste. *Sport et Vie* 58: 24-27, 2000.
15. Perrey S, Millet GY. Quelle musculation pour le ski de fond ? (1). *Ski de fond* 34: 15-18, 1999.
14. Millet GY. Du fart dans les artères. *Ski de fond* 34: 44-49, 1999.
13. Millet GY. Du bestiaire au vestiaire. *Sport et Vie* 57: 60-67, 1999.
12. Millet GY. La montagne à la mer. *Sport et Vie* 53: 34-36, 1999.
11. Millet GY. Quatre mois pour préparer la Transju. *Nordic's* 2: 80-82, 1998.
10. Millet GY. Les blancs coûtent plus cher au kilomètre - Interview du Pr Lacour. *Sport et Vie Hors-Série* 8: 29-31, 1998.
9. Millet GY. Doit-on encore enseigner la technique ? *Sport et Vie Hors-Série* 8: 26-28, 1998.
8. Millet GY. La revanche de la technique. *Sport et Vie Hors-Série* 8: 22-25, 1998.
7. Millet GY. Ski de fond et triathlon 1 : Oui mais comment ? *Triathlète* 118: 22-27, 1997.
6. Millet GY. Ski de fond et triathlon 2 : Oui mais pourquoi ? *Triathlète* 119: 34-38, 1997.
5. Millet GY. Retour vers le futur (solutions d'Hémoglobine et perfluorocarbones). *Sport et Vie* 44: 60-62, 1997.
4. Millet GY. Vers la fin de l'Epo ? *Sport et Vie* 43: 38-43, 1997.
3. Millet GY, Gros Lambert A, Candau R. Initiation au pas de patineur. *Revue Education Physique et Sport* 262: 84-85, 1996.
2. Millet GY, Candau R. Les forces appliquées aux bâtons en skating. *Ski de fond* 31: 66, 1996.
1. Millet GY. De l'intérêt du ski de fond dans la préparation hivernale. *Triathlon et Duathlon Magazine* 4: 44-46, 1993.

Media Interviews


TV and Radio





[L'ultra-trail est allé trop vite dans l'escalade](#) , *Le Télégramme*, 16 février 2023

[UTMB : comment les ultra-trailers éclairent la médecine](#) , *France Info – Billet Science* August 26, 2022

[Demain la santé : la fatigue](#) , *Radio Anthropocène*, April 20, 2022


[A fond le ski de fond](#) , *Sportissimo*, RCF, Olivier Coste, February 25, 2022


[Comment se remettre au sport ?](#) , *France Inter, Le téléphone Sonne*, July 23 2021

[Comment devient-on un champion ?](#)  *Planète+*, Camille Robert et Mathieu Busson, December 18, 2019

[De Kennis van Nu: Geboren renners](#)  *NTR*, Elisabeth van Nimwegen, October 16, 2019


[Stade 2 - Grand Format : vaincre la fatigue](#)  *France 3* : Pierre-Etienne Léonard, September 1, 2019

[Breaking all records: Have we underestimated the endurance capabilities of women?](#)  *France24 - The 51 Percent*, Annette Young, March/April, 2019

[Endurance : les femmes plus performantes sur les très longues distances ?](#)  *France24, ActuElles*, Virginie Herz, March/April, 2019

[Le point de vue de la Rédac'](#)  *France Bleu*, Tifany Antkowiak, March 20th, 2019

[La science derrière l'endurance des athlètes d'ultra-sport](#)  , *Radio Canada*, *Les années lumière*, David Savoie, August 12, 2018

['Banking' sleep can help athletes go the extra mile](#)  *Global TV*, Feb 3rd, 2018

[La préparation finale du Grand Raid de la Réunion](#)  Interview au JT de 19h, Antenne Réunion, October 14, 2017

Sleep banking can improve performance. *770 News*, January 3, 2017.

[Fatigue in athletes and patients](#)  *CBC Radio*, *The Homestretch*, October 3, 2016

[Être performant : limites et possibilités du corps humain](#)  *France Culture*, November 20, 2015

L'athlète parfait : Le dopage sportif de l'avenir : *Radio Canada*, *Les années lumière*, Richard Massicotte, February 9, 2014

UTMB 2012 : Journal de 20h, *TF1*, September 1, 2013

[Etude des causes nerveuses de la fatigue](#)  *France 5 (Le magazine de la santé)* – September 2012

UTMB 2012 :

Soir 3, *France 3 Alpes*, August 28, 2012

France Info, August 31, 2012


Radio Mont-Blanc, August 31, 2012

Le service des sports : L'ultra-trail du Mont-blanc. *France Culture*, Xavier de la Porte, September 2005

Interview de Guillaume Millet, *Radio Suisse Romande*, Sport Première, January 2005.

Magazines & internet

[Science et Trail](#)  *Let's Trail Podcast #168*

[Guillaume Millet : fatigue neuro musculaire, stimulation électrique vs magnétique, et capacité à se faire mal](#)  *Objectif Performance #71*

[Demande conseil à Guillaume MILLET : le week-end choc](#) 📌 *Let's Trail Podcast #156*

[On est né pour courir,](#) 📌 *Podcast champion de ma vie, Season 2, Ép. 5*

[Conditions extrêmes : les capacités incroyables du corps humain](#) 📌 et [La fatigue](#) 📌 *Université Numérique de la Réunion, October 2022*

[Ultra-endurance, sommeil et cyclisme.](#) 📌 *France Cyclisme, Fall 2022.*

[Ce qui nous pousse à l'abandon : entretien avec Guillaume Millet](#) 📌 *Podcast Running Sport Santé, October 2022.*

[Demande conseil à Guillaume Millet : l'affûtage](#) 📌 *Let's trail Podcast, August 2022.*

[Ultra-trail : Les femmes sont-elles plus "tough" que les hommes ?](#) 📌 *Sport & Vie n°189, Olivier Beaufays, November 2021.*

[On n'est pas fatigué](#) 📌 *Esprit Trail, September 2021.*

[Guillaume Millet : fatigue et sports d'endurance](#) 📌 *Let's trail Podcast, September 18, 2021.*

[Guillaume Millet - Les déterminants de la performance](#) 📌 *L'Instant Outdoor, September 16, 2021.*

[Dans les méandres de la fatigue ?](#) 📌 *Trail Endurance Mag 146 : 74-76, August-September 2021.*

[What It Takes to Run a Mountain-Ultra-Trail Race](#) 📌 *Outside, Alex Hutchinson, June 27, 2021*

[Framework for Ultramarathon Performance with Guillaume Millet PhD,](#) 📌 *Koopcast Episode 79, May 13, 2021*

[Entretien avec Guillaume Millet](#) (Ultra Trail, Fatigue, hégémonie éthiopienne/kenyane, homme/femme..) 📌 *Prépa Performance, March 02, 2021*

[What slows you down?](#) 📌 *Performance Advantage Podcast, October 20, 2020*

[Ultra-Trail Running - How To train to reduce fatigue](#) 📌 *Run Chat Live #50, September 13, 2020*

En sport de haut niveau, c'est vraiment fatigant d'être fatigué, *INSEP LE MAG N°40, September-October 2020*

[Les femmes s'apprêtent-elles à dominer l'ultrafond ?](#) 📌 *Red Bull France, June 19, 2020, Mathieu Fageot*

[Le Covid aurait-il autant tué il y a 50 ans ?](#) 📌 *Le Quotidien du Médecin, May 7, 2020*

[Ultra-grave : Etudier les complications graves liées à la pratique de l'Ultra trail? Interview de Laurent Gergelé & Guillaume Millet](#) 📌 *Pop'Sciences, December 2019*

[Les femmes sont-elles plus endurantes les hommes ?](#) 📌 *National Geographic, Taïna Cluzeau, December 18, 2019*

[Pourquoi est-on moins fatigué quand on fait du sport,](#) 📌 *Et Pourquoi donc ? HS Le Progrès – CNRS : 45, automne 2019.*

[La théorie de la chasse d'eau](#) 📌 *Flush, 04 : 46-49, automne 2019.*


[Les femmes sont-elles plus endurantes que les hommes ?](#)  *docdusport.com*, Anne Odru, October 7, 2019.


[Comment les sports d'endurance ont des effets bénéfiques sur votre corps et vos organes](#)  *Business Insider*, Chisato Goya, Sept 4, 2019.

Trail vs. Road Running: Two Different Worlds. Marylene Vestergom, *Canadian Running*, April 2019: 20-21.

L'ultratrail est-il dangereux pour la santé ? *Lyon Capitale*, 776 : 76-77, Guillaume Lamy, April 2018.


[Neuromuscular Fatigue in Ultramarathons with Guillaume Millet, PhD](#)  *Science of Ultra*, Shawn Bearden, November 2017

[Our brains and fatigue.](#)  *University of Calgary's National Awareness Program webinar*, October 4, 2016

[How to Run Downhill](#)  *Runner's world*, Alex Hutchinson, September 2016

[Psychology of ultra marathoners](#)  *Quartz*, Katherine Foley, July 2015

[Les nouveaux coureurs des bois](#)  *Espaces*, Maxime Bilodeau, May 2015

[Qu'est-ce qu'elle a ma foulée ?](#)  *Le journal du Runner*, Raphael Godet, April 2015

Les weekends chocs, *Jogging International*, Véronique Bury, May 2015.

Entraînement : La physiologie du traileur. *Sportips*, Mathieu Piron, January 2015

Quand le sport rend fou, *Marianne*, Daniel Bernard, January 2-6, 2015.

Runners in Alaska cover nearly 600 miles in six days, *NewScientist*, Aviva Rutkin, August 11, 2014.

Des records no limit ? *Jogging International*, Véronique Bury, April 2014.


Pour un flirt avec ses limites. *Jogging International*, Véronique Bury, December 2013.

3 questions à Guillaume Millet, auteur de Ultra-Trail, plaisir, performance et santé, *Le Pape-info*, S Dechaume, May 16, 2012

Voyage au bout de la nuit, *Zatopek 8* : 63-64, G Goetghebuer.

Guillaume Millet : l'Ironman des amphis *L'express*, March 2, 2009

Newspapers

[Quand la fatigue devient un sujet d'étude pour les scientifiques](#)  *Le Monde (cahier Science & Médecine)*, Sandrine Cabut, February 27, 2023.

[Guillaume Millet : « Notre cerveau nous protège contre nos propres excès »,](#)  *Le Progrès*, December 2, 2022.

[Guillaume Millet : La fatigue, traiter le mal par le mal](#)  *Saint-Etienne Métropole Magazine*, September 22, 2021

[En fin de course, les marathoniennes moins épuisées que les hommes](#)  *Le Monde*, S. Cabut, October 27, 2020

La folie du trail, *Femina*, M Loriol, November 3, 2019

Pourquoi est-on moins fatigué(e) quand on fait du sport. *Le Progrès*, M Florin, February 24, 2019

[Why women are outperforming men at the extremes of endurance](#)  *Financial Times*, Simon Osborne, January 22nd, 2019.

[L'UTMB, c'est une fête](#) . *Lyon capitale*, G Lamy, August 29, 2017

L'UTMB ouvert à tout le monde. *Le Progrès*, T Séauve, August 23, 2017

[Banking sleep ahead of time can stave off exhaustion, study shows](#)  *The Globe and Mail*. Alex Hutchinson, February 24, 2017.

Bientôt tous des supercentenaires ? *Le Parisien*, Vincent Mongaillard, January 5, 2017.

Et le trail dans tout ça ? *Le Progrès*, P Decot, February 3, 2016

[What makes an ultra-endurance athlete succeed?](#)  *The Globe and Mail*, Alex Hutchinson, September 27, 2015.

Quand l'addiction chasse la passion, *Le Dauphiné Libéré*, E Dufféal, July 12, 2013.

[Se soigner par l'activité physique. « c'est le médicament du futur »](#)  *Le Progrès*, Y Granger, June 20, 2013.

Il faut de bouger la santé, *Le Progrès*, P Décot, June 2013.

L'ultra ? Oui mais à petite dose, *Le Journal de l'île de la Réunion*, L Garcia, 14 octobre 2012.

Guillaume Millet, ultra-passionné. *Les Petites Affiches de la Loire*, C Michaud, October 5, 2012.

Guillaume Millet : « Un jour, il y aura encore plus fou », *Ouest France*, B Poirier, September 21 2012

Ultra-trail du Mont-Blanc : l'ultra-endurance sous l'œil des chercheurs, *AFP*, B Castelnaud, August 31, 2012.

[L'Ultra-Trail, laboratoire physiologique](#)  *Le Monde*, B Lesprit, August 30, 2012

Que nous apprennent les athlètes ? Marathon : la tête et les jambes. *Les Echos*, P Molga, July 25, 2012.

[Plaisir, performance et santé : l'ultra-trail selon Guillaume Millet](#)  *La Tribune*, July 21 2012

Guillaume Millet : ultra mordue, *La Gazette de la Loire*, L Cohendet, July 13, 2012.

Guillaume Millet : « mon but, dédramatiser l'ultra-trail », *La Tribune*, P Décot, July 9 2012.

L'élite mondiale de la course à pied est suivie à Saint-Etienne, *La Tribune*, P Décot, March 26 2012.

Aux frontières du réel, *Le Dauphiné Libéré*, B Prato, October 27, 2011.

L'avis de Guillaume Millet, chercheur à l'Inserm : « Une randonnée en plus rapide », *Le Quotidien de la Réunion*, T Lauret, September 23 2010.

Et bien courez maintenant, *La Tribune*, P Décot, March 12, 2009.

L'étonnant professeur Millet, *La Tribune*, P Décot, September 2007.

Guillaume Millet, ambassadeur de l'ultra-fond, *La Tribune*, G Cavallès, 2006.

Faut-il mettre la fatigue sur le dos du cerveau ? *La Liberté*, J Gachet, April 7, 2005.

La forme au quotidien ou comment se (re)mettre au sport. *Le Bien Public*, I Decaux, February 27, 2003.

Guillaume Millet : Le ski de fond reste un des sports les plus sains. *L'Est Républicain*, P. Dornier, January 26, 1999.

Un ouvrage de référence sur le skating, *Le Progrès*, S Cordier, January 7, 1999.

Results/Athletics

- Ultra-trail running: 3 times in the top 6 Ultra-Trail du Mont-Blanc 2005/2006/2007 (165 km, +9500m, France), 3rd Tor des Géants 2010 (335 km, +24000m, Italy), 22nd Western States Endurance Run 2006 (161 km, +5000m, USA).
- Adventure races: Winner French National Cup 2000, 5th Mild Seven 2000 (China), 4th X-adventure Raid Series 2002 (Sweden).
- Cross-Country skiing: 5th French National Cup 1997, 12th Transjurassienne 1996 (Wordloppet race), Under 19 French National Team.