CURRICULUM VITAE

June 1st, 2022

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)
- Leader *ActiFS* Chair, Jean Monnet University, Saint-Etienne, France
- Director Neuromuscular Fatigue Laboratory, University of Calgary Canada

Laboratoire Interuniversitaire de Biologie de la Motricité

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guimillet

Date of birth: Jan. 18, 1969

Citizenship: French

Married 1993 with Isabelle

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

16. 01/2021-12/2022. Jose Mira  (Saint-Etienne, France): Innovative resistance training in patients with colorectal cancer– Co-Supervisor.
15. 01/2022-08/2022. Frederic Sabater Pastor  (Saint-Etienne, France): The Train-Imm project – Principal Supervisor.
14. 12/2021-08/2022.Thibault Besson  (Saint-Etienne, France): Performance factors in endurance running – Principal Supervisor.

13. 01/2019-07/2022. Dr Callum Brownstein  (St-Etienne, France): Role of acute fatigue resistance in cancer-related fatigue – Principal Supervisor.
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.
11. 09/2018-08/2019. Dr Robin Souron  (St-Etienne, France): Fatigue in long term treated Intensive Care Units patients – Principal Supervisor.
10. 02/2018-02/2019. Dr James Wrightson  (Calgary, Canada): Relationship between acute fatigue resistance and chronic fatigue in clinical populations – Principal Supervisor.
9. 11/2016-06/2019. Dr Rosemary Twomey  (Calgary, Canada): Tailored training interventions to reduce cancer-related fatigue – Principal Supervisor.
8. 10/2016-09/2017. Dr Tristan Martin  (Calgary, Canada): Sleep disorders in cancer-related fatigue – Principal Supervisor.
7. 09/2016-08/2017. Dr Gianluca Vernillo  (Calgary, Canada): Physiology and biomechanics of graded running – Principal Supervisor.
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.
5. 09/2105-08/2016. Dr Tatiane Piucco  (Calgary, Canada): Methods to assess endurance and fatigue on slide board skating – Principal Supervisor.
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.
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.
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.
1. 01/2009-12/2009. Dr Katja Tomazin  (Ljubljana, Slovenia and Saint-Etienne, France): Magnetic stimulation factors affecting peripheral nerve stimulation – Principal Supervisor.

Research Assistants

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

25. 01/2021-12/2024. Zhang Alicia (Chambéry, France): Force-velocity profiles in cross-country skiing – Co-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. 10/2019-12/2022. Djahid Kennouche (Saint-Etienne, France): Fatigue in long term treated Intensive Care Units patients – Principal Supervisor.
20. 10/2019-12/2022. Yann Le Mat (Saint-Etienne, France): Evaluation of physical capacities to tailor an exercise intervention: application in office workers – Principal Supervisor.
19. 10/2019-12/2022. Marie-Caroline Play (Saint-Etienne, France): Interaction between vibration damping and morphological and functional characteristics of the runner: implications for fatigue and footwear construction – Co-Supervisor.

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.
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.
16. 01/2019-07/2022. Nicolas Royer  (Saint-Etienne, France): Understanding and treating fatigue in multiple sclerosis – Principal Supervisor.
15. 03/2018-11/2021. Thibault Besson  (Saint-Etienne, France): Biomechanical and physiological differences between males and females in endurance running – Principal Supervisor.
14. 01/2017-01/2022. Arash Khassetarash  (Calgary, Canada): Repeated bout effect and musculoskeletal loading during prolonged downhill running – Co-Supervisor.
13. 09/2016-08/2022. Michael Baggaley  (Calgary, Canada): Musculoskeletal Loading in Graded Running – Co-Supervisor
12. 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.
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
10. 09/2014-12/2017. Robin Souron  (Saint-Etienne, France & Calgary, Canada): Effects of chronic tendon vibration on muscle neuromechanical properties – Co-Supervisor
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
8. 09/2010-11/2014. Cyrille Bankole  (Saint-Etienne, France): Safety and Effectiveness of Home-Based Exercise Therapy in Facioscapulohumeral Muscular Dystrophy – Co-Supervisor
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.
6. 09/2010-12/2014. Christian Frøyd  (Cape Town, South Africa): Fatigue and recovery in high-intensity exercises – Co-Supervisor

5. 09/2008-10/2011. Makii Muthalib (Perth, Australia): Effects of muscle contractions on biceps brachii oxygenation investigated by near-infrared spectroscopy – Academic Advisor.
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.
3. 09/2001-12/2004. Vincent Martin (Dijon, France): Neuromuscular recovery: how interesting is electromyostimulation? – Principal Supervisor.
2. 09/2000-12/2003. Grégory Lattier (Dijon, France): Low-frequency electromyostimulation and human performance – Principal Supervisor.
1. 09/1998-12/2000. Stéphane Perrey (Besançon, France): Determining factors of VO_2 kinetics – Academic Advisor.

MSc. Students

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. 09/2010-06/2020. 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 VO_2 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 (Pontifícia 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 Chambery, France): Anticipation of magnetic and electrical stimuli does not impair maximal voluntary force production – Principal Supervisor.

Research funding

Total funding in Career: 4,053,440 €

On-going Grants (Awarded)

10. 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

9. 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

8. 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

7. 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

6. 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

5. 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

4. 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

3. 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

2. 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

1. 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

Completed
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, Chambery (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 VO_2 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	Sta-tus	Level	cursus	Course title	vol. h	Type	Eq. TD	# students	Total / year	
2020 -2022	**UJM**	**Full Prof**	MSc	EOPS	Movement, equipment, environment	25		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	**Cal-gary**	**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	**Cal-gary**	**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	**Cal-gary**	**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	**Cal-gary**	**Full Prof**	BSc		Exercise Physiology (KNES 373)	45	CM	67.5	155	67.5	1st yr in Calgary
2009 -2013	**Gren -oble**	**Res.**	/	/	/	/	/	/	/		No teaching (INSERM)
2004 -2009	**UJM**	**AP**	BSc	Yr 1	Biomechanics	30	TD	30	25	~210/yr	
		then Full	BSc	Yr 2	Resistance training, XC skiing, MB	16	CM	24	25		
		Prof	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		
			MSc		Exercise in children	6	CM	9	15		
1996 -1997	**UFC**	**TP**	BSc	Yr 2	Anatomy	27	TD/TP	27	20	67	
			BSc	Yr 2	Pedagogy	30	Encadrement	30	6		
			BSc	TC	XC skiing	3	CM	4.5	30		
			MSc	ES	English	6	TD	6	15		
1995 -1996	**UFC**	**TP**	BSc	Yr 2	XC skiing	20	TD/TP	20	20	67	
			BSc	Yr 3	XC skiing	15	TD/TP	15	25		
			MSc	ES	Resistance training	4	CM	6	18		
			MSc	ES	Internship follow-up	26	Enc adr	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.

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 (41)

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. Kinesiologia 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 (21)

- 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 (74)

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

HDRs[1]/Doctor of Science

19. Damien Bachasson (Paris, 2022), examiner
18. Maria Papaiordanidou (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 Vercruyssen (Toulon, 2018), reviewer
12. Marc Jubeau (Nantes, 2018), examiner
11. Gaël Guilhem (Paris, 2017), reviewer
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)

56. Daniel Mckeown (Griffith University, Australia, 2022), reviewer
55. Borja Martinez (University of Kent, UK, 2022), reviewer
54. Arnaud Hays (Marseille, 2021), examiner
53. Pierre Clos (Dijon, 2021), examiner

[1] *In the French system, the Habilitation à diriger des recherches* (HDR) is a *necessary qualification 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.*

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 Khouloud (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 (Besancon, 2016), reviewer
36. Jillian Johnson (Calgary, 2016), external examiner
35. Moritz Schumann (Jyvaskyla, 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 (14)

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-recconditioning 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-Sacley, 2016-2020 (Supervisors: Mathieu Nedelec, Claire Thomas-Junius et François Duforez)

9. PhD student Danilo Ianetta: Chronic effects of Sprint Interval Training (SIT) on VO_2 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 Leguillette)

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'entrainement sur la performance en coup droit et l'hypersollicitation du membre supérieur en tennis, Universite 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, Universite 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)

PhD scholarship Committee: Doctoral School #205 (EDISS) 2020

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

International journals with peer review

*: represents trainees under my supervision.

289. *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*, under review.

288. 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*, under review.

287. Lloria-Varella 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*, in press.

286. Varesco G, *Luneau E, Millet GY, Féasson L, Lapole T, Rozand V. Effects of old and very old age on performance and fatigability during isometric, concentric and cycling fatiguing tasks in active men, *J Appl Physiol*, under review.

285. Zhang J, *Khassetarash A, Millet GY, Aboodarda SJ. Neuromuscular fatigue associated with different pacing strategies during an ultra-endurance pull-up task: a case study. *J Sports Sci*, under review.

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. *Qual Life Res*, under review.

283. *Kennouche D, Varesco G, Espeit L, Féasson L, Souron R, Rozand V, Millet GY, Lapole T. Acute effects of quadriceps muscle vs. tendon prolonged vibration on force production capacities and central nervous system excitability*, Eur J Appl Physiol*, under review.

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*, in revision.

280. Varesco G, Lapole T, *Royer N, *Singh B, *Parent A, Féasson L, Millet GY, Rozand V. Performance fatigability during isometric and dynamic quadriceps incremental tasks in men and women. *Eur J Appl Physiol*, under review.

279. *Play MC, Ravel A, Millet GY, Giandolini M, Rossi J. Treadmill running: how long before biomechanics reach a steady state? *Sports Biomech,* in revision.

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*, in revision.

277. *Perrin TP, Morio CYM, *Besson T, Kerhervé HA, Millet GY, J. Rossi1 J. Comparison of skin and shoe marker placement on metatarsophalangeal joint kinetics and kinematics during running, *J Biomech*, under review.

276. Fouré A, *Besson T, Stauffer E, Skinner S, Féasson L, Connes P, Hautier C, Millet GY. Shear wave elastography reveals sex differences in muscle-tendon passive mechanical properties and indirectly quantifies the amount of muscle tissue damage after trail running races, *Invest Radiol*, under review.

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 vibration in endurance running. *Gait & Posture,* under review.

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,* in press.

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.

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 revision.

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*, in press.

269. Millet GY, *Kennouche D, Foschia C, *Brownstein CG, Gondin J, Lapole T, *Rimaud D, *Royer N, Thiery 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 intensive care unit Covid-19 patients. *Crit Care Med*, in revision.

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*, in press.

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*, in press (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 2022 (IF: 3.5).

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*, in press.

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: 4.4).

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: 4.9).

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*, in press (IF: 5.4).

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,* in press (IF: 2.0).

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Non-indexed articles

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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.

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Invited conferences

+: International

147. 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.

146. 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.

145. 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.

144. Millet GY. *Royer N, Camdessanché JP. Fatigue in clinical populations: a special focus on multiple sclerosis. 5èmes Journées de Neurophysiologie Clinique. Saint-Etienne, June 29 – July 1, 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. *21ème 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 *6ème 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, *26ème 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, *8ème 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, *47èmes 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, *XVIèmes 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, *3èmes 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. *2ème 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. *2ème 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). *31ème 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). *4èmes 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.

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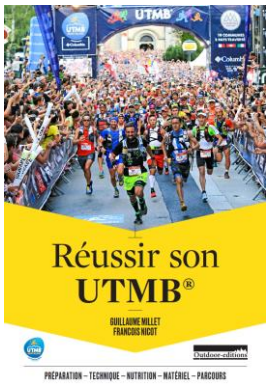

English version

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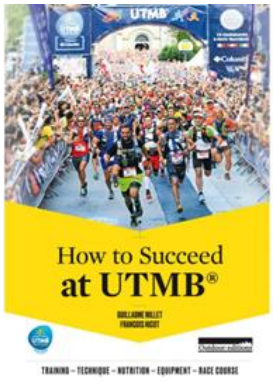

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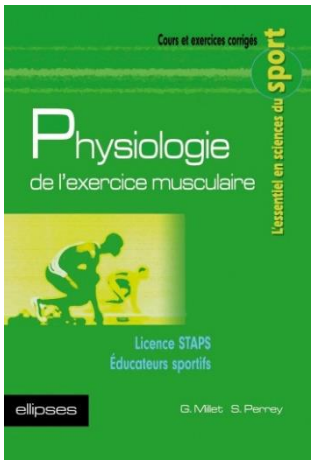

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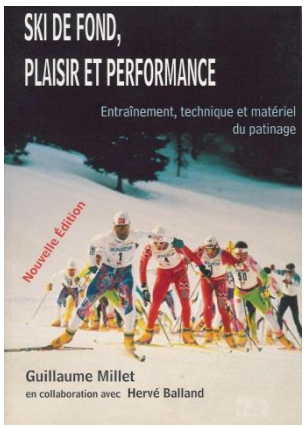

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- Adventure races: Winner French National Cup 2000, 5th Mild Seven 2000 (China), 4th X-adventure Raid Series 2002 (Sweden).
- Cross-Country skiing: 5th French National Cup 1997, 12th Transjurassienne 1996 (Wordloppet race), Under 19 French National Team.