

**TADEJ DEBEVEC Ph.D.**  
CURRICULUM VITAE

**PERSONAL DETAILS**

**DATE OF BIRTH:** 11/09/1978 (Ljubljana, Slovenia)  
**MARITAL STATUS:** Married (Minca Mramor MD, PhD)  
**CHILDREN:** Three [Inja (2006), Brin (2007), Ronja (2011)]  
**NATIONALITY:** Slovene  
**ADDRESS:** Mesarska cesta 36, Ljubljana, SI-1000, Slovenia  
**LANGUAGES:** Slovene, English (proficient), German (basic)  
**ORCID:** 0000-0001-7053-3978 **ResearcherID:** D-7917-2013  
**CURRENTLY HELD POSITIONS:**

Associate professor, Faculty of Sport, Ljubljana, Slovenia  
Research associate, Jozef Stefan Institute, Ljubljana, Slovenia  
**CONTACT:** e-mail: tadej.debevec@fsp.uni-lj.si; phone: +386 (0) 41 278 954



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**UNIVERSITY EDUCATION**

**Doctorate of Philosophy (Environmental & Exercise Physiology (2006-2011))**

*Jozef Stefan International Postgraduate School, Ljubljana, Slovenia*

Thesis: The use of normobaric hypoxia and hyperoxia for the enhancement of sea-level and/or altitude exercise performance.

Supervisor: prof. Igor B. Mekjavić Ph.D.

**Bachelor of Sport Science (2001-2006)**

*Faculty of Sport, University of Ljubljana, Ljubljana, Slovenia*

Thesis: The use of heart rate as an indicator of altitude acclimatization.

Supervisor: prof. Blaž Jereb Ph.D.

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**SCHOLARSHIPS**

2006 – 2011: Young researcher scholarship, ARRS, Slovenia. Performed at the “Jozef Stefan” Institute; Department of Automation, Bio-cybernetics and Robotics. Supervisor: prof. Igor B. Mekjavić.

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**POSTDOCTORAL FELLOWSHIPS**

2013/14 (November – July): Marie Curie IRSES Post doctoral fellow – University of Cape Town, Faculty of Health Sciences Department of Human Biology, UCT/MRC Research Unit for Exercise Science and Sports Medicine, Cape Town, South Africa. Supervisor: prof. Timothy D. Noakes; Collaborator: dr. Elske J. Schabort

2013 (February – March): Marie Curie IRSES Post doctoral fellow – University of Cape Town, Faculty of Health Sciences Department of Human Biology, UCT/MRC Research Unit for Exercise Science and Sports Medicine, Cape Town, South Africa. Supervisor: prof. Timothy D. Noakes; Collaborator: dr. Elske J. Schabort

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## VISITING RESEARCHER

- 2019 Oct – 2020 Jun. School of Life sciences, Faculty of Medicine and Health Sciences, Nottingham University, Nottingham, United Kingdom; Supervisor: prof. Ian A. Macdonald; Collaborator: dr. Elizabeth J. Simpson
- 2018 (March-May): Laboratoire Interuniversitaire de Biologie de la Motricité (LIBM Chambéry), Université Savoie Mont Blanc, Chambéry. France. Collaborator: dr. Thomas Rupp
- 2014 (September): DLR, Institute of Aerospace medicine, Department for space physiology, Cologne, Germany. Supervisor: prof. Jörn Rittweger; Collaborator: dr. Uwe Mittag
- 2013 (July): Advanced Telecommunications Research Institute International (ATR), Department of Brain Robot interface, Computational Neuroscience Labs, Kansai, Osaka, Japan. Supervisor: prof. Jun Morimoto; Collaborators: dr. Jan Babič & dr. Tomoyuki Noda
- 2012 (October): MRC/Arthritis Research UK Centre for Musculoskeletal Ageing Research, University of Nottingham Medical School, School of Life Sciences, Queen's Medical Centre, Nottingham, United Kingdom Supervisor: prof. Ian A. Macdonald; Collaborator: dr. Elizabeth J. Simpson
- 2012 (February): ISSUL, Institute of Sport Sciences, Faculty of Biology and Medicine, University of Lausanne, Lausanne, Switzerland Supervisor: prof. Grégoire P. Millet

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## PROFESSIONAL AFFILIATIONS

- 2013 – ongoing Member of the American Physiological Society (APS)
- 2010 – ongoing Member of the American College of Sport Medicine (ACSM).
- 2008 – ongoing Member of the European College of Sports Science (ECSS).
- 2012 – 2013 Member of the International Society for Posture & Gait research (ISPGR).
- 2009 – 2010 Member of the International Society for Mountain Medicine (ISMM).

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## RESEARCH PROJECTS

### Current:

- 2020-2023 – ARRS: PreAlti: Mechanisms of hypoxia (in)tolerance in prematurely born individuals (PI)
- 2018-2021 – ARRS: X-ADAPT: Cross-adaptation between heat and hypoxia – novel strategy for performance and work-ability enhancement in various environments (PI)

### Completed:

- 2016-2019 – ARRS: *Preterm-Hypo* - Cardiorespiratory responses during hypoxic exercise in prematurity (PI: D. Osredkar)
- 2018 – PKP: Above the tree line: High altitude hut building strategies in Slovenia (PI: Rok Žnidaršič)
- 2016-2018 – KC: Assessment of PPEs (PI: Igor B. Mekjavić)
- 2015-2017 – UCC: *Preterm FTF*: Fitness-to-fly in prematurely born infants (PI: Minca Mramor)
- 2015-2016 – FS: *KidSki* - Effects of hypoxia on kids during simulated skiing (PI)
- 2013-2015 – PECS: *VenHab* – Female planetary habitat simulation (PI: Ola Eiken)
- 2012-2015 – FP7: *PlanHab* – Planetary habitat simulation (PI: Igor B. Mekjavić)
- 2012-2013 – PECS: *LunHab* – 10-day planetary habitat simulation (PI: Ola Eiken)
- 2011-2014 – ARRS L3–4328: Hypoxic inactivity: implications for heart failure, pulmonary insufficiency and obesity (PI: Igor B. Mekjavić)
- 2011-2014 – ARRS L2–4107: Development of a new thermal manikin for evaluation of personal protective equipment and safety in extreme working environments. (PI: Igor B. Mekjavić)
- 2013 – ABR: Effects of high altitude on postural stability in hypoxia (Co-PI)
- 2012 – ABR: Effects of robotic knee exoskeleton on energy expenditure during squatting (Co-PI)
- 2010-2013 – ARRS L3–3654: Zero and reduced gravity simulation: the effect on the cardiovascular and musculoskeletal systems (PI: Igor B. Mekjavić)
- 2009-2012 – ARRS L7–2413: Hypoxic and hyperoxic training (PI: Igor B. Mekjavić)
- 2007 – ARRS L7–9731: Altitude acclimatization (PI: Igor B. Mekjavić)
- 2006-2008 – ARRS M2–0103: Combatant protection systems (PI: Igor B. Mekjavić)

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## TEACHING AND SUPERVISION

### Teaching

- 2019 – ongoing: Altitude training in sports, Faculty of Sport, University of Ljubljana  
2019 – ongoing: Athlete in extreme environments, Faculty of Sport, University of Ljubljana  
2019 – ongoing: Mountain biking, Faculty of Sport, University of Ljubljana  
2014 – ongoing: Environmental physiology, Faculty of Mathematics, Natural Sciences and Information Technologies, University of Primorska; visiting lecturer  
2008 – ongoing: Ski Mountaineering, Faculty of Sport, University of Ljubljana  
2007 – ongoing: Mountaineering, Faculty of Sport, University of Ljubljana  
2006 – ongoing: Undergraduate student lectures on environmental physiology, Jozef Stefan Institute

### Supervision

- 2012 – ongoing: Master's theses supervision, Faculty of Sport, University of Ljubljana  
2012 – ongoing: Bachelor theses supervision, Faculty of Sport, University of Ljubljana  
2009 – ongoing: Bachelor theses consultancy, Faculty of Sport, University of Ljubljana

### Other:

- 2009 – ongoing: IFMGA Mountain guides courses, Slovenian Association of Mountain Guides

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## INVITED SCIENTIFIC TALKS / PRESENTATIONS

- DEBEVEC T.** (2020) Hypoxic (in)tolerance in preterm born children and adults, Invited lecture - Carnegie X Change seminar - Leeds Beckett University; Carnegie School of Sport - Leeds, UK.
- DEBEVEC T.** (2018) Cardiovascular responses in extreme environments, Invited lecture - Summer school - Healthy and Active Lifestyle, EMUNI University - Piran, Slovenia.
- DEBEVEC T.** (2018) Adaptation to acute hypoxia in prematurely born individuals, Invited lecture - Université Savoie Mont Blanc, Chambéry, France.
- DEBEVEC T.** (2018) Cardio-respiratory responses of pre-term born individuals during rest and exercise in acute normobaric hypoxia. Invited lecture - Université de Lausanne, Lausanne, Switzerland.
- DEBEVEC T.** (2018) From sport science to Space and back. Invited lecture - Université Savoie Mont Blanc, Chambéry, France.
- DEBEVEC T.** (2018) Inactivity & Hypoxia – The PlanHab study. Invited lecture - University Grenoble Alps, Grenoble, France.
- DEBEVEC T.** (2016) Influence of hypoxia in children and preterm-born individuals on physiological responses during exercise. Invited lecture - the European Academy of Bolzano (EURAC), Institute of Mountain Emergency Medicine, Bolzano, Italy.
- DEBEVEC T.** (2016) Metabolic and nutritional aspects of hypoxic bed rest studies. Invited lecture - Space Life Science Symposium for ESAs Co-operating States European Astronauts Centre, Cologne, Germany.
- DEBEVEC T.** (2015) On the basic mechanisms of altitude/hypoxia acclimatization. Invited lecture - Faculty of Mathematics, Natural Sciences and Information Technologies, University of Primorska, Koper, Slovenia.
- DEBEVEC T.** (2015) Altitude adaptation – from altitude natives to performance enhancement. Invited lecture - Faculty of Sport, University of Ljubljana, Ljubljana, Slovenia.
- DEBEVEC T.** (2014) Different altitude training modalities for improvement of endurance performance. Invited lecture - UCT/MRC Research Unit for Exercise Science and Sports Medicine. University of Cape Town, Cape Town, SA.
- DEBEVEC T.** (2013) Short-term manipulations of oxygen tension: Implications for performance and erythropoiesis. Invited lecture - UCT/MRC Research Unit for Exercise Science and Sports Medicine. Sport Science Institute of South Africa, University of Cape Town, Cape Town, SA.

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## AWARDS

- SMGA 2020 award** – Slovenian Mountain Guides Association  
**SMGA 2018 award** – Slovenian Mountain Guides Association  
**Marie Skłodowska-Curie Actions Seal of Excellence 2017** – Directorate General for Education, Youth, Sport and Culture; European Commission; Brussels, EU  
**Top three in Hypoxia 2016** – 8th European Hypoxia Symposium; Poljče, Slovenia, September, 2016  
**Top three in Hypoxia and Mountain Medicine Award 2014** – 7th European Hypoxia Symposium; Kùhrointalm,

Berchtesgaden, Germany September, 2014

**SMGA 2012 award** – Slovenian Mountain Guides Association

**SMGA 2010 award** – Slovenian Mountain Guides Association

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## REVIEWING AND SCIENTIFIC / ORGANISATIONAL POSITIONS

### Reviewer – scientific journals

International Journal of Sports Medicine, International Journal of Obesity, Frontiers in Physiology, Journal of Physiology and Pharmacology, Oxidative Medicine and Cellular Longevity, Open Access Journal of Sports Medicine, PLoS ONE, Physiological Reports, Scandinavian Journal of Medicine & Science in Sports, Medicine & Science in Sports & Exercise, American Journal of Physiology - Regulatory, Integrative and Comparative Physiology, Appetite, BMJ Open Sport & Exercise Medicine, Physiology & Behavior, Biology of Sport, International Journal of Molecular Sciences, European Journal of Sport Science, High Altitude Medicine & Biology, Obesity, American Journal of Physiology - Gastrointestinal and Liver Physiology, Journal of Sport and Health Science, Medical Sciences, European Journal of Applied Physiology, BMC Anesthesiology, International Journal of Sports Physiology and Performance, The FASEB journal, Frontiers in Sport and Active Living, BMC Sports Science, Medicine and Rehabilitation, German Journal of Sports Medicine, Experimental Physiology

### Reviewer – grants & funding agencies

NSERC - Discovery Grant, Marie Skłodowska-Curie Action, Austrian Science Fund.

### Scientific positions

2020 – Editorial board member – European Journal of Sport Science

2019 – Editorial board member – Frontiers in Sports and Active Living

2017 – Editorial board member – Frontiers in Physiology, Environmental, Aviation and Space Physiology

2016 – Guest associate editor – Frontiers in Physiology, Exercise physiology

2015 – Editorial board member – Frontiers in Physiology, Exercise physiology

### Faculty/University committee memberships

2020 – President – Faculty of Sport, University of Ljubljana, Habilitation committee

2017 – Member – Faculty of Sport, University of Ljubljana, Habilitation committee

2017 – Member – University of Ljubljana, Research and development committee

### Organizational positions

2020 – Member of the Organizing committee of the Virtual Environmental physiology series with Stephen Cheung (Brock Uni, Canada) & Chris Tyler (Roehampton Uni, UK). May - July [www.icee2021.com](http://www.icee2021.com)

2017 – Organizing committee Chairman – IFMGA international meeting, May 8<sup>th</sup>-14<sup>th</sup>, Kranjska gora, Slovenia.

2016 - Local organizing committee Chairman - 6th International Conference on the Physiology and Pharmacology of Temperature Regulation, December 5-9, Ljubljana, Slovenia.

2015 - Local organizing committee Chairman - 36th Annual Meeting of the International Society for Gravitational Physiology, June 7-12, Ljubljana, Slovenia.

2014 - Chairman – 1<sup>st</sup> Environmental ergonomics & physiology symposium; 17th Information Society – IS, October 9th, Ljubljana, Slovenia.

### Committee memberships

2019 – May 28<sup>th</sup> - PhD defense external examiner (KU Leuven, Leuven). Thesis title: *Hypoxic exposure to increase exercise performance: beneficial aspects and potential drawbacks*. Author: Stefan De Smet; Supervisor: prof. Peter Hespel

2019 – July 16<sup>th</sup> - PhD defense external examiner (University Savoie Mont Blanc, Chambéry). Thesis title: *Fatigue neuromusculaire induite par répétition de sprints – Etiologie et impact de l'hypoxie*. Author: Arthur Peyrard; Supervisor: prof. Thomas Rupp; Co-supervisors: prof. Laurent Messonnier & prof. Grégoire Millet

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## REFEREED SCIENTIFIC JOURNAL PAPERS

45. **DEBEVEC T.**, PIALOUX V., POUSSEL M., WILLIS S.J., MARTIN A., OSREDKAR D. & MILLET G.P. Cardio-respiratory, oxidative stress and acute mountain sickness responses to normobaric and hypobaric hypoxia in prematurely born adults. *European Journal of Applied Physiology*. (2020). In press.

44. SOTIRIDIS A., CIUHA U., **DEBEVEC T.** & MEKJAVIC I.B. Heat acclimation does not modify autonomic responses to core cooling and the skin thermal comfort zone. *Journal of Thermal Biology.* (2020). In press.
43. MARTIN A., MILLET G.P., OSREDKAR D., MRAMOR M., FAES C., GOURAUD E., **DEBEVEC T.** & PIALOUX V. Effect of pre-term birth on oxidative stress responses to normoxic and hypoxic exercise. *Redox Biology.* (2020) (32) 101497.
42. LANCASTER G., **DEBEVEC T.**, MILLET G.P., POUSSEL M., WILLIS S.J., MRAMOR M., GORICAR K., OSREDKAR D., DOLŽAN V. & STEFANOVSKA A. Relationship between cardiorespiratory phase coherence during hypoxia and genetic polymorphism in humans. *The Journal of Physiology.* (2020) In press.
41. MILLET GP & **DEBEVEC T.** Cross-Talk proposal: Barometric pressure, independent of PO<sub>2</sub>, is the forgotten parameter in altitude physiology and mountain medicine. *The Journal of Physiology.* (2020) In press.
40. SOTIRIDIS A., **DEBEVEC T.**, CIUHA U., MCDONNELL A.C., MLINAR T., ROYAL J.T. & MEKJAVIC I.B. Aerobic but not thermoregulatory gains following a 10-day moderate-intensity training protocol are fitness level-dependent: a cross-adaptation perspective. *Physiological Reports.* (2020) In press.
39. UŠAJ A., MEKJAVIC I.B., KAPUS J., MCDONNELL A.C., JAKI MEKJAVIC P. & **DEBEVEC T.** Muscle Oxygenation During Hypoxic Exercise in Children and Adults. *Frontiers in Physiology.* In press.
38. **DEBEVEC T.**, PIALOUX V., MILLET G.P., MARTIN A., MRAMOR M. & OSREDKAR D. Exercise Overrides Blunted Hypoxic Ventilatory Response in Prematurely Born Men. *Frontiers in Physiology.* (2019) 10(437).
37. SOTIRIDIS A., **DEBEVEC T.**, CIUHA U. EIKEN O & MEKJAVIC IB. Heat acclimation does not affect maximal aerobic power in thermoneutral normoxic or hypoxic conditions. *Experimental Physiology* (2019) 3(104).
36. SOTIRIDIS A., **DEBEVEC T.**, MCDONNELL A.C., CIUHA U. EIKEN O. & MEKJAVIC I.B. Exercise cardiorespiratory and thermoregulatory responses in normoxic, hypoxic and hot environment following 10-day continuous hypoxic exposure. *Journal of Applied Physiology.* (2018) 4(125) 1284-1295.
35. MARTIN A., FAES C., **DEBEVEC T.**, RYTZ C., MILLET G.P. & PIALOUX V. Preterm birth and oxidative stress: effects of acute physical exercise and hypoxia physiological responses. *Redox Biology.* (2018) 17(7) 315-322.
34. **DEBEVEC T.**, GANSE B., MITTAG U., EIKEN O., MEKJAVIĆ I.B., & RITTWEGER J. Hypoxia aggravates inactivity-related muscle wasting. *Frontiers in Physiology* (2018) 9(494).
33. STAVROU N., **DEBEVEC T.**, EIKEN O. & MEKJAVIĆ I.B. Hypoxia worsens affective responses and feeling of fatigue during prolonged bed rest. *Frontiers in Psychology.* (2018) 9(362).
32. ROACH R.C., HACKETT P.H., OELZ O., BÄRTSCH P., LUKS A.M., MACINNIS M.J., BAILLIE J.K. & LAKE LOUISE AMS SCORE CONSENSUS COMMITTEE. The 2018 Lake Louise Acute Mountain Sickness Score. *High Altitude Medicine & Biology.* (2018) 19(1). 1-6.
31. ŠKET R., **DEBEVEC T.**, KUBLIK S., SCHLOTHER M., SCHOELLER A., MUROVEC B., VOGEL MIKUŠ K., MAKUC D., PEČNIK K., PLAVEC J., MEKJAVIĆ I.B., EIKEN O., PREVORŠEK Z., & STRES B. Intestinal metagenomes and metabolomes in healthy young males: Inactivity and hypoxia generated negative physiological symptoms precede microbial dysbiosis. *Frontiers in Physiology* (2018) 9(198).
30. STREWE C., ZELLER R., FEUERRECKER M., HOERL M., MATZEL S., KUMPREJ I., CRISPIN A., JOHANNES B., **DEBEVEC T.**, MEKJAVIC I.B., EIKEN O., THIEL M., SCHELLING G., CHOUKÈR A. PlanHab Study: Consequences of combined normobaric hypoxia and bed rest on adenosine kinetics. *Scientific Reports* (2018) 8(1):1762.
29. STAVROU N., **DEBEVEC T.**, EIKEN O. & MEKJAVIĆ I.B. Hypoxia exacerbates negative emotional state during inactivity: The effect of 21 days hypoxic bed rest and confinement. *Frontiers in Physiology.* (2018) 9(26).
28. ŠKET R., TREICHEL N., KUBLIK S., **DEBEVEC T.**, EIKEN O., MEKJAVIĆ I.B., SCHLOTHER M., VITAL M., CHANDLER J., TIEDJE J.M., MUROVEC B., PREVORŠEK Z., LIKAR M. & STRES B. Hypoxia and inactivity related physiological changes precede or take place in absence of significant rearrangements in bacterial community structure: The PlanHab randomized trial pilot study. *PLOS ONE.* (2017) 12(12):e0188556.
27. **DEBEVEC T.** Hypoxia-related hormonal appetite modulation in humans during rest and exercise: Mini review. *Frontiers in Physiology.* (2017) 8(366).
26. KAPUS J., MEKJAVIĆ I.B., MCDONNELL A.C., UŠAJ A., VODIČAR J., NAJDENOV P., JAKOVLJEVIĆ M., JAKI MEKJAVIĆ P., ŽVAN M. & **DEBEVEC T.** Cardiorespiratory responses of adults and children during normoxic and hypoxic exercise. *International Journal of Sports Medicine.* (2017) 38(8): 627-636.
25. ŠKET R., TREICHEL N., **DEBEVEC T.**, MEKJAVIĆ I.B., EIKEN O., SCHLOTHER M., VITAL M., CHANDLER J., TIEDJE J.M., MUROVEC B., PREVORŠEK Z. & STRES B. Hypoxia and inactivity related physiological changes (constipation, inflammation) are not reflected at the level of gut metabolites and butyrate producing microbial community: The PlanHab study. *Frontiers in Physiology.* (2017) 8(250).

24. STREWE C., ZELLER R., FEUERECKER M., HOERL M., KUMPREJ I., CRISPIN A., JOHANNES B., **DEBEVEC T.**, MEKJAVIC I.B., SCHELLING G. & CHOUKER A. PlanHab study: Assessment of psycho-neuroendocrine function in male subjects during 21 days of normobaric hypoxia and bed rest. *Stress*. (2017) 20:2, 131-139.
23. **DEBEVEC T.**, MILLET G.P. & PIALOUX V. Hypoxia-induced oxidative stress modulation with physical activity. *Frontiers in Physiology*. (2017) 8(84).
22. RITTWEGER J., **DEBEVEC T.**, FRINGS-MEUTHEN P., LAU P., MITTAG U., GANSE B., FERSTL P.G., SIMPSON E.J., MACDONALD I.A., EIKEN O. & MEKJAVIĆ I.B. On the combined effects of normobaric hypoxia and bed rest upon bone and mineral metabolism: Results from the PlanHab study. *Bone*. (2016) 91: 130-138.
21. **DEBEVEC T.**, SIMPSON E.J., MEKJAVIĆ I.B., EIKEN O. & MACDONALD I.A. Effects of prolonged hypoxia and bed rest on appetite and appetite-related hormones. *Appetite*. (2016) 107: 28-37.
20. MILLET G.P., **DEBEVEC T.**, BROCHERIE F., MALATESTA D. & GIRARD O. Therapeutic use of exercising in hypoxia: promises and limitations. *Frontiers in Physiology*. (2016) 7: 224.
19. **DEBEVEC T.**, PIALOUX V., EHRSTRÖM S., RIBON A., EIKEN O., MEKJAVIĆ I.B. & MILLET G.P. FemHab: The effects of bed rest and hypoxia on oxidative stress in healthy females. *Journal of Applied Physiology*. (2016) 120: 930–938.
18. SIMPSON E.J., **DEBEVEC T.**, EIKEN O., MEKJAVIĆ I.B. & MACDONALD I.A. The combined and separate effects of 16 days bed rest and normobaric hypoxic confinement on circulating lipids and indices of insulin sensitivity in healthy men. *Journal of Applied Physiology*. (2016) 120: 947–955.
17. RIBON A., PIALOUX V., SAUGY J.J., RUPP T., FAISS R., **DEBEVEC T.**, MILLET G.P. Exposure to hypobaric hypoxia results in higher oxidative stress compared to normobaric hypoxia. *Respiratory Physiology & Neurobiology*. (2016) 223(3): 23-27.
16. PODLOGAR T & **DEBEVEC T.** Effects of a 14-day high-carbohydrate diet on exercise performance of a low-carbohydrate adapted athlete – Case study. *Kinesiology Slovenica*. (2016) 22(1): 37–46.
15. **DEBEVEC T.**, PIALOUX V., SAUGY J., SCHMITT L., CEJEUELA R., MURY P., EHRSTRÖM S., FAISS R., MILLET, G.P. Prooxidant/antioxidant balance in hypoxia: a cross-over study on normobaric vs. hypobaric "live high-train low". *PLOS ONE*. (2015) e0137957-1-e0137957-14.
14. **DEBEVEC T.**, BALI T.C., SIMPSON E.J., MACDONALD I.A., EIKEN O. & MEKJAVIĆ I.B. Separate and combined effects of 21-day bed rest and hypoxic confinement on body composition. *European Journal of Applied Physiology*. (2014) 114(11): 2411-25.
13. **DEBEVEC T.**, SIMPSON E.J., MACDONALD I.A., EIKEN O. & MEKJAVIĆ I.B. Exercise training during normobaric hypoxic confinement does not alter hormonal appetite regulation. *PLOS ONE*. (2014) 9(6):e98874.
12. **DEBEVEC T.**, MCDONELL A.C., MACDONALD I.A., EIKEN O. & MEKJAVIĆ I.B. Whole body and regional body composition changes following 10-day hypoxic confinement and unloading/inactivity. *Applied Physiology, Nutrition, and Metabolism*. (2014) 39(3):386-395.
11. **DEBEVEC T.**, PIALOUX V., MEKJAVIĆ I.B., EIKEN O., MURY P. & MILLET G.P. Moderate exercise blunts oxidative stress induced by normobaric hypoxic confinement. *Medicine & Science in Sports & Exercise*. (2014) 46(1):33-41.
10. **DEBEVEC T.** & MEKJAVIĆ I.B. Short intermittent hypoxia for improvement of athletic performance: reality or a placebo? *Kinesiology Slovenica*. (2013) 19(3):5-28.
9. PETRIČ T., GAMS A., **DEBEVEC T.**, ŽLAJPAH L. & BABIČ J. Control approaches for robotic knee exoskeleton and their effects on human motion. *Advanced Robotics*. (2013) 27(13):993-1002.
8. GAMS A., PETRIČ T., **DEBEVEC T.** & BABIČ J. Effects of robotic knee-exoskeleton on human energy expenditure. *IEEE Transactions on Biomedical Engineering*. (2013) 60(6):1636-1643.
7. MEKJAVIĆ I.B., **DEBEVEC T.**, AMON M., KERAMIDAS M.E. & KOUNALAKIS S.N. Intermittent normobaric hypoxic exposures at rest: effects on performance in normoxia and hypoxia. *Aviat. space environ. med.* (2012) 83(10):942-950.
6. **DEBEVEC T.** & MEKJAVIĆ I.B. Short intermittent hypoxic exposures augment ventilation but do not alter cerebral and muscle oxygenation during hypoxic exercise. *Respir Physiol Neurobiol*. (2012) 118(2): 132-142.
5. **DEBEVEC T.**, KERAMIDAS M.E., NORMAN B., GUSTAFSSON T., EIKEN O. & MEKJAVIĆ I.B. Acute short-term hyperoxia followed by mild hypoxia does not increase EPO production: resolving the "normobaric oxygen paradox". *Eur. j. appl. physiol.* (2012) 112(3): 1059-65.
4. KERAMIDAS M.E., KOUNALAKIS S.N., **DEBEVEC T.**, NORMAN B., GUSTAFSSON T., EIKEN O. & MEKJAVIĆ I.B. Acute normobaric hyperoxia transiently attenuates plasma EPO concentration in healthy males: Evidence against the "Normobaric oxygen paradox" theory. *Acta Physiol. (Oxf)* (2011) 202(1): 91-98.

3. **DEBEVEC T.**, AMON M., KERAMIDAS M.E., KOUNALAKIS S.N., PIŠOT R. & MEKJAVIĆ I.B. Normoxic and hypoxic performance following 4 weeks of normobaric hypoxic training. *Aviat. space environ. med.* (2010). 81(4): 387-393.
2. KERAMIDAS M.E., **DEBEVEC T.**, AMON M., KOUNALAKIS S.N., ŠIMUNIČ B. & MEKJAVIĆ I.B. Respiratory muscle endurance training : effect on normoxic and hypoxic exercise performance. *Eur. j. appl. physiol.* (2010). 108(4):759-769.
1. **DEBEVEC T.**, BURNIK S. & JEREB B. Dynamics of heart rate under step test loadings as an indicator of altitude acclimatization. *Kinesiol. Slov.* (2007). 13(1): 5-13.

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#### REFEREED SCIENTIFIC JOURNAL ABSTRACTS / COMMENTARIES / LETTERS

14. **DEBEVEC T.**, BURTSCHER J. & MILLET G.P. Preterm birth: Potential risk factor for greater COVID-19 severity? *Respiratory Physiology & Neurobiology.* (2020) In press.
13. MILLET G.P. & **DEBEVEC T.** Might hypobaric explain the different effects of expiratory resistance mask in normobaric vs hypobaric hypoxia? *High Altitude Medicine & Biology.* (2020) In press.
12. **DEBEVEC T.** & LEE B. On the climbing performance enhancing effects of New Zealand blackcurrant extract. *European Journal of Applied Physiology.* (2020). In press.
11. MILLET G.P. & **DEBEVEC T.** Rebuttal from Grégoire Millet and Tadej Debevec. *The Journal of Physiology.* (2020) In press.
10. SOTIRIDIS A., **DEBEVEC T.**, & MEKJAVIĆ I.B. Combined Effects of Hypoxia and Heat: Importance of Hypoxic Dose. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology.* (2018) 314(2): R228-R229.
9. POUSSEL M, DEBEVEC T, SARTORI C, WILLIS S, MILLET GP. Larger exercise-induced lung comets increase in adults born preterm in hypobaric vs. normobaric hypoxia. *European Respiratory Journal* (2017) 50:2268.
8. MILLET G.P., **DEBEVEC T.**, BROCHERIE F., GIRARD O. & PIALOUX V. Influence of the between-subjects and between-hypoxic conditions variability in oxidative stress. Commentaries on Viewpoint: Human skeletal muscle wasting in hypoxia: a matter of hypoxic dose? *Journal of Applied Physiology.* (2017) 122: 409–411.
7. **DEBEVEC T.** & MILLET G.P. Can exercise in hypoxia alleviate NO-dependent detrimental effects of anemia? Commentaries on Viewpoint: Anemia contributes to cardiovascular disease through reductions in nitric oxide. *Journal of Applied Physiology.* (2017) 122: 418–419.
6. MILLET G.P., GIRARD O., MALATESTA D., **DEBEVEC T.** & MEKJAVIĆ I.B. Exercising in hypoxia as an inovative treatment. *The Journal of Physiology.* (2016).
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  1. **DEBEVEC T.** Heart rate as a marker of high-altitude acclimatization. Graduate thesis, 2006, Faculty of Sports, University of Ljubljana, Ljubljana, Slovenia.
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#### **INDUSTRY RELATED WORK**

Dr. Debevec is involved in numerous collaborations with industrial partners aiming at transferring basic scientific knowledge to industrial applications or enabling industrial partners testing of their products in different environmental conditions. These projects have been (and are still being) performed in collaboration with domestic (Alpina, UCS, Pilon) and international companies (Gore-Tex, b-Cat, LaSportiva; K-C).

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#### **NON-SCIENTIFIC QUALIFICATIONS & PERSONAL INTERESTS**

IFMGA certified Mountain Guide – Slovenian Mountain Guides Association – President of the Technical Commission  
Mountain rescuer – Slovenian mountain rescue association  
Mountaineering, Climbing, Trail running, Mountain biking  
Reading novels by Deon Meyer and Ken Follett as well as engaging in discussion with people way smarter than me (usually my wife, kids and colleagues ☺)