

TADEJ DEBEVEC Ph.D.

C U R R I C U L U M V I T A E

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

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.

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.

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. Schabert

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. Schabert

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

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).

RESEARCH PROJECTS

Current:

2018-2021 – ARRS: X-ADAPT: Cross-adaptation between heat and hypoxia – novel strategy for performance and workability enhancement in various environments (PI)

Completed:

2016-2019 – ARRS: *Preterm-Hypo* - Cardiorespiratory responses during hypoxic exercise in individuals born prematurely (PI: Damjan 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)

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

INVITED SCIENTIFIC TALKS / PRESENTATIONS

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.

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; Kührointalm, Berchtesgaden, Germany September, 2014

SMGA 2012 award – Slovenian Mountain Guides Association

SMGA 2010 award – Slovenian Mountain Guides Association

REVIEWING AND SCIENTIFIC / ORGANISATIONAL POSITIONS

Reviewer

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, NSERC - Discovery Grant, Marie Skłodowska-Curie Action, 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.

Scientific positions

2019 – Review editor – Frontiers in Sports and Active Living

2017 – Review editor – Frontiers in Physiology, Environmental, Aviation and Space Physiology

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

2015 – Review editor – Frontiers in Physiology, Exercise physiology

Faculty/University committee memberships

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

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

Organizational positions

2017 – Organizing committee Chairman – IFMGA international meeting, May 8th-14th, 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 – 1st Environmental ergonomics & physiology symposium; 17th Information Society – IS, October 9th, Ljubljana, Slovenia.

Committee memberships

2019 – May 28th - 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 16th - 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 Peyrand; Supervisor: prof. Thomas Rupp; Co-supervisors: prof. Laurent Messonnier & prof. Grégoire Millet

REFEREED SCIENTIFIC JOURNAL PAPERS

42. LANCASTER G, **DEBEVEC T**, MILLET GP, POUSSEL M, WILLIS SJ, 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 PO2, 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*. (2019) 10(1385).
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., SCHLOOTHER 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., FEUERECKER 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., SCHLOOTHER 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., SCHLOOTHER 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. *Kinesiologia 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?. *Kinesiologia 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. *Aeriat. 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. *Aeriat. 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. & JEREV B. Dynamics of heart rate under step test loadings as an indicator of altitude acclimatization. *Kinesiol. Slov.* (2007). 13(1): 5-13.

REFEREED SCIENTIFIC JOURNAL ABSTRACTS / COMMENTARIES / LETTERS

11. MILLET GP & **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 innovative treatment. *The Journal of Physiology.* (2016).
5. DEBEVEC T., PIALOUX V., SIMPSON E.J., MACDONALD I.A., EIKEN O., MILLET G.P. & MEKJAVIĆ I.B. Does moderate exercise alter hormonal appetite regulation and oxidative stress during continuous hypoxic exposure? *Medicina Sportiva.* (2014) 18(3):107-124.
4. DEBEVEC T. & MILLET G.P. Discerning normobaric and hypobaric hypoxia: Significance of exposure duration. *Journal of Applied Physiology.* (2014) 116(9):1255.
3. DEBEVEC T., KERAMIDAS M.E., NORMAN B., GUSTAFSSON T., EIKEN O. & MEKJAVIĆ I.B. No evidence for the "normobaric oxygen paradox". American College of Sports Medicine 58th Annual Meeting and 2nd World Congress on Exercise in Medicine 2011, Denver, Colorado, USA. *Med. Sci. Sport Exer.* (2011). 43(5):105-106.
2. MEKJAVIĆ I.B., KOUNALAKIS S.N., AMON M., DEBEVEC T., KERAMIDAS M.E., JAKI P. & EIKEN O. Evaluation of hypoxic training protocols. VIII World Congress on High Altitude Medicine and Physiology August 8-12, 2010 Arequipa, Peru. *High alt. med. biol.* (2010). 11(3): 276.
1. MEKJAVIĆ I.B., KOUNALAKIS S.N., KERAMIDAS M.E., AMON M., DEBEVEC T., ŠIMUNIČ B., PIŠOT R. & EIKEN O. Evaluation of hypoxic training protocols. 80th Annual Scientific Meeting of the AsME Scientific Sessions, 3-7 May, 2009, Los Angeles, USA. *Airat. space environ. med.* (2009). 80(3): 289.

REFEREED SCIENTIFIC CONFERENCE PAPERS

10. DEŽMAN M., DEBEVEC T., BABIČ J., GAMS A. Effects of passive ankle exoskeleton on human energy expenditure: pilot evaluation. 25th International Workshop on Robotics in Alpe-Adria-Danube Region RAAD 2016, June 30th - July 2nd 2016, Belgrade, Serbia.
9. DEŽMAN M., DEBEVEC T., BABIČ J., GAMS A. Passive ankle exoskeleton: design and practical evaluation. 8th Jožef Stefan international postgraduate school students' conference, June 1st, 2016, Ljubljana, Slovenia.
8. DEBEVEC T., BALI T.C., SIMPSON E.J., MACDONALD I.A., EIKEN O., MEKJAVIĆ I.B. Body composition modulation during and following simulated planetary habitation: the PlanHab study. Environmental ergonomics & physiology symposium: Proceedings of the 17th International Multiconference Information Society - IS 2014, October 9th, 2014, Ljubljana, Slovenia.
7. DEBEVEC T., PETRIČ T., BABIČ, J. & GAMS, A. Knee exoskeleton control approaches: different effects on energy expenditure? Proceedings of the 15th International Multiconference Information Society - IS 2012, October 8.-12. 2012, Ljubljana, Slovenia.
6. GAMS A., PETRIČ T., DEBEVEC T. & BABIČ J. Influence exoskeleton device on the physiological responses during squatting. Zbornik enaindvajsete mednarodne Elektrotehniške in računalniške konference ERK 2012, 17.-19. september 2012, Portorož, Slovenija.
5. GAMS A., DEBEVEC T., PETRIČ T. & BABIČ, J. Metabolic cost of squatting using robotic knee exoskeleton. 21th International Workshop on Robotics in Alpe-Adria-Danube Region, 10-13 September 2012, Naples, Italy.
4. PETRIČ T., GAMS A., BABIČ J., DEBEVEC T. & ŽLAJPAH L. Control approaches for robotic knee exoskeleton device. 21th International Workshop on Robotics in Alpe-Adria-Danube Region, 10-13 September 2012, Naples, Italy.
3. BABIČ J., PETRIČ T., DEBEVEC T. & GAMS A. Kinematic adaptations during repetitive squatting motions using robotic knee exoskeleton. 21th International Workshop on Robotics in Alpe-Adria-Danube Region, 10-13 September 2012, Naples, Italy.
2. DEBEVEC T. & MEKJAVIĆ I.B. Oxygen breathing manipulations for enhancing erythropoietin production. 3rd Jožef Stefan International Postgraduate School Students Conference, 25. maj 2011, Ljubljana, Slovenia.
1. KERAMIDAS M.E., AMON M., DEBEVEC T., ŠIMUNIČ B., PIŠOT R., DI PRAMPERO P.E. & MEKJAVIĆ I.B. Endurance respiratory muscle training: does it affect normoxic or hypoxic exercise performance?. Proceedings of the 12th International Conference on Environmental Ergonomics, ICEE 2007, Piran, Slovenia [August 19-24, 2007].

REFEREED SCIENTIFIC CONFERENCE ABSTRACTS

47. SOTIRIDIS A., **DEBEVEC T.**, CIUHA U., MCDONNELL A., MILIOTIS P., KOSKOLOU M.D., EIKEN O., MEKJAVIĆ I.B. Separate and combined effects of heat and hypoxic acclimation on temperature regulation and exercise performance. 7th International Meeting of the Physiology and Pharmacology of Temperature Regulation Society, October 7-12, 2018, Split, Croatia.
46. SOTIRIDIS A., CIUHA U., **DEBEVEC T.**, MEKJAVIĆ I.B. Autonomic thermoregulatory responses to immersion in 20° C water are not modified by 10-day heat acclimation. 7th International Meeting of the Physiology and Pharmacology of Temperature Regulation Society, October 7-12, 2018, Split, Croatia.
45. SOTIRIDIS A., **DEBEVEC T.**, CIUHA U., EIKEN O., MEKJAVIĆ I.B. Heat acclimation augments peak power output and thermoregulatory responses in thermoneutral but not hypoxic conditions. 23rd annual congress of the European College of Sport Science Sport Science, 4-7 July 2018, Dublin, Ireland.
44. JAKI MEKJAVIĆ P., **DEBEVEC T.**, KAPUS J., UŠAJ A., MCDONNELL A., NAJDENOV P., MLINAR T., ŠTULAR M., MEKJAVIĆ I.B. Retinal blood vessel diameters in children and adults exposed to a simulated altitude of 3000M: KidSki project. 23rd annual congress of the European College of Sport Science Sport Science, 4-7 July 2018, Dublin, Ireland.
43. **DEBEVEC T.**, MRAMOR M., MILLET G.P., PIALOUX V., OSREDKAR D. Hypoxic ventilatory responses in prematurely and full-term born adults. 23rd annual congress of the European College of Sport Science Sport Science, 4-7 July 2018, Dublin, Ireland.
42. MEKJAVIĆ I.B., **DEBEVEC T.**, KAPUS J., UŠAJ A., MCDONNELL A., NAJDENOV P., MEKJAVIĆ M., JAKI MEKJAVIĆ P. The pattern of breathing during normoxic and hypoxic exercise in prepubertal children and adults: KidSki project. 23rd annual congress of the European College of Sport Science Sport Science, 4-7 July 2018, Dublin, Ireland.
41. JEREB B., **DEBEVEC T.**, BURNIK S. Planinstvo na Fakulteti za šport - od Golovca do Triglava. Triglav 240 - Posvet ob 240-letnici prvega dokumentiranega vzpona na Triglav. 8-9 June 2018, Mojstrana, Slovenia.
40. ŠORN M., DUHOVNIK J., **DEBEVEC T.** Gorsko vodništvo v Triglavskem pogorju - od nekdaj do danes. Triglav 240 - Posvet ob 240-letnici prvega dokumentiranega vzpona na Triglav. 8-9 June 2018, Mojstrana, Slovenia.
39. **DEBEVEC T.**, MRAMOR M., MILLET G.P., OSREDKAR D. Pre-term born adults exhibit lower hypoxic ventilatory response at rest but not during exercise. 20th International Hypoxia Symposium, 7-12 February 2017, Lake Louise, Alberta, Canada.
38. MRAMOR M., UŠAJ A., OSREDKAR D., MILLET G.P., **DEBEVEC T.** Normobaric hypoxia provokes similar decrease in exercise performance in pre-term and full-term born adults. 20th International Hypoxia Symposium, 7-12 February 2017, Lake Louise, Alberta, Canada.
37. **DEBEVEC T.**, MCDONNELL A.C., CIUHA U., KOUNALAKIS S.N., BALI T.C., MEKJAVIĆ I.B. No evidence of anaprexia during acute and long-term exposure to normobaric hypoxia. 20th International Hypoxia Symposium, 7-12 February 2017, Lake Louise, Alberta, Canada.
36. **DEBEVEC T.**, MCDONNELL A.C., CIUHA U., KOUNALAKIS S.N., BALI T.C., MEKJAVIĆ I.B. No evidence of anaprexia during prolonged normobaric hypoxic exposures in humans. 6th International Meeting of the Physiology and Pharmacology of Temperature Regulation Society, December 5-9, 2016, Ljubljana, Slovenia.
35. ŠKET R., TREICHEL N.S., **DEBEVEC T.**, EIKEN O., MEKJAVIĆ I.B., SCHLOTTER M., STRES B. PlanHab: insights into human intestinal microbiota dynamics of normoxic and hypoxic bedrest studies. Power of Microbes in Industry and Environment symposium, September 28 - October 1, 2016, Krk, Croatia.
34. KAPUS J., MEKJAVIĆ I.B., MCDONNELL A.C., UŠAJ A., VODIČAR J., NAJDENOV P., JAKOVLJEVIĆ M., JAKI P., ŽVAN M., **DEBEVEC T.** Similar cardiorespiratory effects of hypoxia cycling and simulated skiing in adults and children. Youth sport, 9-10 December 2016, Ljubljana, Slovenia.
33. UŠAJ A., MEKJAVIĆ I.B., MCDONNELL A.C., KAPUS J., VODIČAR J., NAJDENOV P., JAKOVLJEVIĆ M., JAKI MEKJAVIĆ P., ŽVAN M., **DEBEVEC T.** Muscle oxygenation and cardiorespiratory responses during incremental exercise in children adults. Youth sport, 9-10 December 2016, Ljubljana, Slovenia.
32. **DEBEVEC T.**, KAPUS J., UŠAJ A., MCDONNELL A., VODIČAR J., NAJDENOV P., JAKOVLJEVIĆ M., JAKI MEKJAVIĆ P., ŽVAN M., DOLENC-GROŠELJ L., MEKJAVIĆ I.B. Short-term cardiorespiratory adaptation to hypoxia in children and adults : the KidSki study. 8th European hypoxia symposium, 8.-11. September 2016, Poljče, Slovenia.
31. **DEBEVEC T.**, KAPUS J., MCDONNELL A., VODIČAR J., NAJDENOV P., JAKOVLJEVIĆ M., JAKI P., ŽVAN M., DOLENC-GROŠELJ L., MEKJAVIĆ I.B., UŠAJ A. Ventilation and muscle oxygenation during hypoxic exercise in children and adults. 8th European hypoxia symposium, 8.-11. September 2016, Poljče, Slovenia.

30. JAKOVLJEVIĆ M., **DEBEVEC T.**, KAPUS J., UŠAJ A., MCDONNELL A., VODIČAR J., NAJDENOV P., JAKI P., MEKJAVIĆ I.B. Effects of normobaric hypoxia and exercise on psychomotor function in adults and children. 8th European hypoxia symposium, 8.-11. September 2016, Poljče, Slovenia.
29. JAKOVLJEVIĆ M., **DEBEVEC T.**, KAPUS J., UŠAJ A., MCDONNELL A., VODIČAR J., NAJDENOV P., JAKI P., MEKJAVIĆ I.B. Effects of hypoxia exposure on cutaneous thresholds for warmth and cold sensation: comparison between adults and children. 8th European hypoxia symposium, 8.-11. September 2016, Poljče, Slovenia.
28. **DEBEVEC T.**, KAPUS J., UŠAJ A., MCDONNELL A.C., VODIČAR J., NAJDENOV P., JAKOVLJEVIĆ M., JAKI MEKJAVIĆ P., MLINAR T., ŽVAN M., GROŠELJ DOLENC L. & MEKJAVIĆ I.B. Cardiorespiratory responses during normobaric hypoxic exercise: Comparison between adults and children. 21th Annual Congress of the European College of Sport Science, 5th-9th July 2016, Vienna, Austria.
27. STAVROU N., **DEBEVEC T.**, EIKEN O., MEKJAVIC, I.B. Hypoxia worsens affective response and feeling of fatigue during prolonged inactivity. 14th European Life Sciences Symposium & 7th Annual International Gravitational Physiology Meeting, 5-10 June 2016, Toulouse, France.
26. **DEBEVEC T.**, SIMPSON E.J., MEKJAVIC I.B., EIKEN O. MACDONALD, I.A. Independent and combined effects of hypoxia and inactivity on appetite and appetite-regulating hormones: the PlanHab project. 14th European Life Sciences Symposium & 7th Annual International Gravitational Physiology Meeting, 5-10 June 2016, Toulouse, France.
25. RITTWEGER J., **DEBEVEC T.**, FRINGS-MEUTHEN P., LAU, P., GANSE, B., SIMPSON L., MACDONALD, I.A., CHOUKÉR A., EIKEN O., MEKJAVIĆ I.B. Effects of bed rest and hypoxia on bone and mineral metabolism: results from the PlanHab study. 20th Humans in Space Symposium, June 29 - July 3, 2015, Prague, Czech Republic.
24. ŠKET R., TREICHEL N.S., **DEBEVEC T.**, EIKEN O., MEKJAVIĆ I.B., SCHLÖTER M., STRES B. PlanHab: insights into human intestinal microflora dynamics of normoxic and hypoxic bedrest studies. 9th International Symposium on Anaerobic Microbiology (ISAM9), June 25th-27th, 2015, Portorož, Slovenia.
23. STRES B., ŠKET R., TREICHEL N.S., EIKEN O., **DEBEVEC T.**, MEKJAVIĆ I.B., SCHLÖTER M. Effect of hypoxia and low exercise on the human gut microbiome. 36th Annual Meeting of the International Society for Gravitational Physiology June 7-12, 2015, Ljubljana, Slovenia.
22. RIBON A., PIALOUD V., SAUGY J., RUPP T., FAISS R., **DEBEVEC T.**, MILLET G.P. Exposure to hypobaric hypoxia results in higher oxidative stress compared to normobaric hypoxia. 36th Annual Meeting of the International Society for Gravitational Physiology June 7-12, 2015, Ljubljana, Slovenia.
21. ŠKET R., TREICHEL N.S., **DEBEVEC T.** EIKEN O., MEKJAVIĆ I.B., SCHLÖTER M., STRES B. PlanHab: human intestinal microflora dynamics during normoxic and hypoxic bedrest. 36th Annual Meeting of the International Society for Gravitational Physiology June 7-12, 2015, Ljubljana, Slovenia.
20. **DEBEVEC T.**, SIMPSON E.J., EIKEN O., MEKJAVIĆ I.B., MACDONALD I.A. PlanHab : the individual and combined effects of inactivity and hypoxia on insulin resistance. 36th Annual Meeting of the International Society for Gravitational Physiology June 7-12, 2015, Ljubljana, Slovenia.
19. STAVROU N., **DEBEVEC T.**, EIKEN O., MEKJAVIĆ I.B. PlanHab: examining the effect of 21-day hypoxic bed rest and confinement on emotional state. 36th Annual Meeting of the International Society for Gravitational Physiology June 7-12, 2015, Ljubljana, Slovenia.
18. MEKJAVIĆ I.B., BALI T.C., MCDONNELL A., **DEBEVEC T.**, SIMPSON E.J., MACDONALD I.A., EIKEN O. FemHab: effects of 10-day planetary habitation simulation on body composition and resting energy expenditure in females. 36th Annual Meeting of the International Society for Gravitational Physiology June 7-12, 2015, Ljubljana, Slovenia.
17. **DEBEVEC T.**, EHRSTRÖM S., PIALOUD V., EIKEN O., MEKJAVIĆ I.B., MILLET G.P. FemHab : prooxidant/antioxidant balance during and follow 10-day planetary habitation simulation. 36th Annual Meeting of the International Society for Gravitational Physiology June 7-12, 2015, Ljubljana, Slovenia.
16. MILLET G.P., **DEBEVEC T.**, SAUGY, J., SCHMITT L., CEJUELA R., MURY P., FAISS R., PIALOUD V. Change in performance and oxidative stress after "living high training low" in hypobaric vs normobaric hypoxia. 19th International Hypoxia Symposium, 3-8 March 2015, Lake Louise, Alberta, Canada.
15. **DEBEVEC T.**, TARSI C.B., SIMPSON E.J., MACDONALD I.A., EIKEN O., MEKJAVIĆ I.B. PlanHab: effects of simulated planetary habitation on body mass and whole body composition. 35th Annual International Gravitational Physiology Meeting, 13th European Life Sciences Symposium and 1st Aging in Space Symposium, 16-20 June, 2014, Waterloo, Canada.
14. **DEBEVEC T.**, SIMPSON E.J., MACDONALD I.A., EIKEN O., MEKJAVIĆ I.B. PlanHab: energy expenditure and appetite sensation during hypoxic bedrest. 35th Annual International Gravitational Physiology Meeting,

13th European Life Sciences Symposium and 1st Aging in Space Symposium, 16-20 June, 2014, Waterloo, Canada.

13. MORRISON S.A., MCDONNELL A., CIUHA U., ZAVEC PAVLINIČ D., **DEBEVEC T.** & MEKJAVIĆ I.B. Sex differences on susceptibility to hand or foot cold injury after alpine skiing. Proceedings of the 15th International Conference on Environmental Ergonomics, 2013, 11-15th February, Queenstown, New Zealand.
12. **DEBEVEC T.**, MCDONNELL A., EIKEN O. & MEKJAVIĆ I.B. Energy intake and body composition changes following a 10-day lunar habitat simulation. 12th European Life Sciences Symposium and 33rd Annual International Gravitational Physiology Meeting, 18-22 June 2012, Aberdeen, United Kingdom.
11. **DEBEVEC T.**, MCDONNELL A., EIKEN O. & MEKJAVIĆ I.B. Energy intake and body composition changes following a 10-day lunar habitat simulation. Scientific preparation for space exploration: symposium on Planetary Habitat Simulation, 28 March 2012, Ljubljana, Slovenia.
10. MEKJAVIĆ I.B., **DEBEVEC T.**, CIUHA U., MCDONNELL A., MORRISON S.A., NEWTON M. & ZAVEC PAVLINIČ D. Temperatura prstov med alpskim smučanjem : smernice za razvoj rokavic = Finger temperature during apine skiing : implications for glove design. 43. simpozij o novostih v tekstilistvu, Tekstilna obzorja, Junij 2011, Ljubljana, Slovenia.
9. **DEBEVEC T.** & MEKJAVIĆ I.B. Can four normobaric hypoxic exposures enhance performance in hypoxia?. 16th Annual Congress of the European College of Sport Science, 6th-9th July 2011, Liverpool UK.
8. MEKJAVIĆ I.B., KERAMIDAS M.E., AMON M., **DEBEVEC T.**, EIKEN O., JAKI P. & KOUNALAKIS S.N. Evaluation of hypoxic training regimens. XIV International Conference on Environmental Ergonomics, 2011, Nafplio, Greece.
7. KERAMIDAS M.E., KOUNALAKIS S.N., **DEBEVEC T.**, NORMAN B., GUSTAFSSON T., EIKEN O. & MEKJAVIĆ I.B. The effect of acute normobaric hyperoxia on EPO concentration in healthy males. 36th Annual Meeting of the EUBS 2010, September 2010, Istanbul, Turkey.
6. KERAMIDAS M.E., **DEBEVEC T.**, AMON M., KOUNALAKIS S.N. & MEKJAVIĆ I.B. The effect of endurance respiratory muscle training on normoxic and hypoxic performance. 14th Annual Congress of the European College of Sport Science, June 24 - 27, 2009. Oslo, Norway.
5. **DEBEVEC T.**, AMON M., KERAMIDAS M.E., KOUNALAKIS S.N. & MEKJAVIĆ I.B. Hematological responses to two different intermittent hypoxic training regimens. 14th Annual Congress of the European College of Sport Science, June 24 - 27, 2009. Oslo, Norway.
4. AMON M., KERAMIDAS M.E., **DEBEVEC T.**, KOUNALAKIS S.N. & MEKJAVIĆ, I.B. The effect of hypoxic training regimens on pulmonary function. 14th Annual Congress of the European College of Sport Science, June 24 - 27, 2009. Oslo, Norway.
3. **DEBEVEC T.**, KERAMIDAS M.E., AMON M., KOUNALAKIS S.N. & MEKJAVIĆ I.B. Evaluation of training protocols for the improvement of altitude and sea level performance. V: UŠAJ, Anton (ur.). 4th International Symposium High Altitude Influence on Human Performance: Science & Praxis IV. 8-13 September 2009, Bohinjska Bela, Slovenia.
2. **DEBEVEC T.**, AMON M., KERAMIDAS M.E., KOUNALAKIS S.N. & MEKJAVIĆ I.B. The use of live low - train high protocol for the enhancement of endurance performance and aerobic capacity. The 16th International Hypoxia Symposium, 10-14 March 2009, Alberta, Canada.
1. AMON M., **DEBEVEC T.**, KERAMIDAS M.E., PIŠOT R., ŠIMUNIČ B., KOUNALAKIS S.N. & MEKJAVIĆ I.B. Effect of intermittent normobaric hypoxic exposure on performance in hypoxic and normoxic environments. V: CABRI, Jan (ur.). 13th Annual Congress of the European college of sport science, July 9th-12th, 2008 Lisboa, Portugal.

MONOGRAPH

4. DEŽMAN M., **DEBEVEC T.**, BABIČ J., GAMS A. Vpliv pasivnega gleženjskega eksoskeleta na energijsko porabo človeka pri hoji. SI robotika. 2017. Ljubljana, Slovenia.
3. **DEBEVEC T.** & DOLENC A. Mountain guiding – rock climbing. Textbook. 2012. Slovenian association of mountain guides. Ljubljana, Slovenia.
2. **DEBEVEC T.** The use of normobaric hypoxia and hyperoxia for the enhancement of sea level and/or altitude exercise performance. Doctoral dissertation, 2011, Jozef Stefan international postgraduate school, Ljubljana, Slovenia.
1. **DEBEVEC T.** Heart rate as a marker of high-altitude acclimatization. Graduate thesis, 2006, Faculty of Sports, University of Ljubljana, Ljubljana, Slovenia.

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 are performed in collaboration with domestic (Alpina, UCS, Pilon) and international companies (Gore-Tex, b-Cat, LaSportiva; K-C).

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 (especially) Deon Meyer novels