

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)

CURRENTLY HELD POSITIONS:

Assistant professor, Faculty of Sport, Ljubljana, Slovenia

Research associate, Jozef Stefan Institute, Ljubljana, Slovenia

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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.

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. 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

VISITING RESEARCHER

- 2018 (March/April): 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 – PKP: Above the tree line: High altitude hut building strategies in Slovenia (PI: Rok Žnidaršič)
- 2016-2018 – ARRS: *PretermHypo* - Cardiorespiratory responses during hypoxic exercise in individuals born prematurely (PI: Damjan Osredkar)
- 2016-2018 – KC: Assessment of PPEs (PI: Igor B. Mekjavič)

Completed:

- 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. Mekjavič)
- 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. Mekjavič)
- 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. Mekjavič)
- 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. Mekjavič)
- 2009-2012 – ARRS L7—2413: Hypoxic and hyperoxic training (PI: Igor B. Mekjavič)
- 2007 – ARRS L7—9731: Altitude acclimatization (PI: Igor B. Mekjavič)
- 2006-2008 – ARRS M2—0103: Combatant protection systems (PI: Igor B. Mekjavič)

TEACHING AND SUPERVISION

Teaching

- 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) 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 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

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, 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.

Scientific positions

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

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.

REFEREED SCIENTIFIC JOURNAL PAPERS

*IF = Journal impact factor

35. MARTIN A, FAES C, **DEBEVEC T**, RYTZ C, MILLET GP & PIALOUX V. Preterm birth and oxidative stress: effects of acute physical exercise and hypoxia physiological responses. *Redox Biology*. (in press). (IF₂₀₁₆ = 6.34)
34. **DEBEVEC T.**, GANSE B., MITTAG U., EIKEN O., MEKJAVIĆ I.B., & RITTWEGGER J. Hypoxia aggravates inactivity-related muscle wasting. *Frontiers in Physiology*. (in press). (IF₂₀₁₆ = 4.03)
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). (IF₂₀₁₆ = 2.32)
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. (IF₂₀₁₆ = 1.70)
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). (IF₂₀₁₆ = 4.03)
30. STREWE C., ZELLER R., FEUERHECKER M., HOERL M., MATZEL S., KUMPREJ I., CRISPIN A., JOHANNES B., **DEBEVEC T.**, MEKJAVIĆ 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. (IF₂₀₁₆ = 4.26)
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). (IF₂₀₁₆ = 4.03)
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. (IF₂₀₁₆ = 2.81)

27. **DEBEVEC T.** Hypoxia-related hormonal appetite modulation in humans during rest and exercise: Mini review. *Frontiers in Physiology*. (2017) 8(366). (IF₂₀₁₅ = 4.03)
26. KAPUS J., MEKJAVIĆ I.B., MCDONNELL A.C., UŠAJ A., VODIČAR J., NAJĐENOV 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*. (In press). (IF₂₀₁₅ = 2.53)
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). (IF₂₀₁₅ = 4.03)
24. STREWE C., ZELLER R., FEUERHECKER M., HOERL M., KUMPRED I., CRISPIN A., JOHANNES B., **DEBEVEC T.**, MEKJAVIĆ 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. (IF₂₀₁₅ = 2.20)
23. **DEBEVEC T.**, MILLET G.P. & PIALOUX V. Hypoxia-induced oxidative stress modulation with physical activity. *Frontiers in Physiology*. (2017) 8(84) (IF₂₀₁₅ = 4.03)
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. (IF₂₀₁₅ = 3.74)
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. (IF₂₀₁₅ = 3.13)
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. (IF₂₀₁₅ = 4.03)
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. (IF₂₀₁₅ = 3.01)
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. (IF₂₀₁₅ = 3.01)
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. (IF₂₀₁₅ = 1.77)
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. (IF = N/A)
15. **DEBEVEC T.**, PIALOUX V., SAUGY J., SCHMITT L., CEJUELA 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. (IF₂₀₁₅ = 3.06)
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. (IF₂₀₁₄ = 2.19)
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. (IF₂₀₁₄ = 3.23)
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. (IF₂₀₁₄ = 2.34)
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. (IF₂₀₁₄ = 3.98)
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. (IF = N/A)
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. (IF₂₀₁₃ = 0.56)
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. (IF₂₀₁₃ = 2.23)
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. (IF₂₀₁₂ = 0.78)
 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. (IF₂₀₁₂ = 2.05)
 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. (IF₂₀₁₂ = 2.66)
 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. (IF₂₀₁₁ = 3.09)
 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. (IF₂₀₁₀ = 0.85)
 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. (IF₂₀₁₀ = 2.21)
 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. (IF = N/A)

REFEREED SCIENTIFIC JOURNAL ABSTRACTS / COMMENTARIES / LETTERS

*IF = Journal impact factor

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. (IF₂₀₁₆ = 2.98).
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. (IF₂₀₁₆ = 10.57)
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. (IF₂₀₁₅ = 3.01)
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. (IF₂₀₁₅ = 3.01)
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). (IF₂₀₁₅ = 4.73)
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. (IF = N/A)
4. **DEBEVEC T.** & MILLET G.P. Discerning normobaric and hypobaric hypoxia: Significance of exposure duration. *Journal of Applied Physiology*. (2014) 116(9):1255. (IF₂₀₁₂ = 3.48)
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 is Medicine 2011, Denver, Colorado, USA. *Med. Sci. Sport Exer.* (2011). 43(5):105-106. (IF₂₀₁₁ = 4.43)
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. (IF₂₀₁₀ = 2.24)
1. MEKJAVIĆ I.B., KOUNALAKIS S.N., KERAMIDAS M.E., AMON M., **DEBEVEC T.**, ŠIMUNIČ B., PIŠOT R. & EIKEN O.

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 producing. 3rd Jožef Stefan International Postgraduate School Students Conference, 25. maj 2011, Ljubljana, Slovenija.
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

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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).

NON SCIENTIFIC QUALIFICATIONS & PERSONAL INTERESTS

IFMGA certified Mountain Guide
 Mountain rescuer – Slovenian mountain rescue association
 Mountaineering, Climbing, Trail running, Mountain biking