

CURRICULUM VITAE | DR. OLIVER NEUBAUER

PERSONAL INFORMATION

Name: Oliver Neubauer, Doctor in Natural Sciences
Date of birth: March, 2nd 1976 (citizenship: Austria)
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CURRENT POSITION

Independent Postdoctoral Researcher and Lecturer (Guest Professor) at the Department of Nutritional Sciences, University of Vienna

Member of the *Research Platform Active Ageing* and the *Emerging Field Oxidative Stress and DNA Stability*, Univ. of Vienna

RESEARCH FIELDS AND EXPERTISE

- **Molecular and applied physiology** using exercise as a model for investigating the mechanisms of acute stress, recovery and adaptive responses to physiological stimuli in humans
- **Exercise immunology** focused on interactions between skeletal muscle and leukocytes
- **Sport nutrition and molecular metabolism** (particularly antioxidants and redox biology)
- **Project management and leadership skills** in planning, coordinating and performing human studies involving blood and muscle samplings
- **Interpretation of molecular-biological data**

CAREER HISTORY

2013/14: Guest Professor, Dep. of Nutritional Sciences, Univ. of Vienna
2011–2012: Erwin Schrödinger-Research Fellow (funded by the *Austrian Science Fund; FWF*) and leader of the project *Skeletal muscle and blood neutrophil gene responses to endurance exercise*, Heart Foundation Research Centre, Griffith Univ., Australia
2010–2011: University Assistant, Dep. of Nutritional Sciences, Univ. of Vienna
Since 2009: Postdoctoral Research Fellow, Dep. of Nutritional Sciences, Univ. of Vienna
2006–2009: Scientific Assistant, Dep. of Nutritional Sciences, Univ. of Vienna

PUBLICATION OUTPUT (since 2008, for details see *List of Publications*)

- **Fourteen international, peer-reviewed publications** with an **average impact factor of 4.75¹** and **225 received citations²**
- **Six first-author publications** in *British Journal of Nutrition*, *European Journal of Applied Physiology*, *Exercise Immunology Review*, *Journal of Applied Physiology* (2), and *Medicine and Science in Sports and Exercise*, all of which are top-10% or top-25% journals in the respective category – *continued*

¹ According to the journal impact factor for 2013 based on the *Journal Citation Reports of ISI Web of Knowledge 2014*

² Based on the *Scopus* citation overview (Aug. 4th 2014)

Publication output – continued

- **Current h-Index: 8**
- Numerous oral presentations at international and national conferences
- Contribution of a book chapter for the book project *Antioxidants in Sports Nutrition* (CRC press, Taylor & Francis Group, editor: Adj. Prof. M. Lamprecht)
- Several popular-scientific articles for *Triathlon Magazin* and various public relations

GRANTS AND AWARDS

- Currently under review: **Application for a FWF stand-alone project** as an independent applicant and project leader (short title: *Physiology of crosstalk between muscle and leukocytes in young and elderly humans*; requested funding € 443.767)
- 2010: **FWF-Erwin Schrödinger-Fellowship Abroad** incl. return phase (€78.000)
- 2010: **Faculty of Life Science-Young Investigator Award**, Univ. of Vienna (€ 7.000)
- 2010: Co-authorship for the application for the *Research Platform Active Aging*, funded by the Univ. of Vienna (€ 586.000; platform leader: Prof. K-H. Wagner)
- 2005: Co-authorship for the application for the FWF-project *Risk Assessment of Ironman Triathletes* (€ 205.000; project leader: Prof. K-H. Wagner)

SELECTED PEER-REVIEW ACTIVITIES AND MEMBERSHIPS

- Peer-review activities for *Age; American Journal of Physiology–Regulatory, Integrative and Comparative Physiology; European Journal of Applied Physiology; Exercise Immunology Review; Journal of Applied Physiology; Medicine and Science in Sports and Exercise; Sports Medicine*
- Memberships: *European College of Sport Science (ECSS), International Society of Exercise and Immunology (ISEI)*, member of the expert committee for the *Austrian Society of Sports Nutrition (Österreichische Gesellschaft für Sporternährung, ÖGSE)*

INTERNATIONAL KEY COOPERATION PARTNERS

- Prof. D. Cameron-Smith, Liggins Institute, Univ. of Auckland, New Zealand
- A/Prof. L.J. Haseler and Dr. A.C. Bulmer, Heart Foundation Research Centre, Griffith Health Institute, Griffith Univ., Australia
- Prof. Dr.-med. D. König, Inst. of Sport and Sport Science, Univ. of Freiburg, Germany
- Prof. R. Lazarus, Genomics and Systems Biology, Baker IDI Heart and Diabetes Institute, Melbourne, Australia, and Harvard Medical School, Boston, USA
- Dr. J.M. Peake, School of Biomedical Sciences, Queensland Univ. of Technology, Australia

TECHNICAL RESEARCH SKILLS

- Technical skills: Molecular-biological techniques including RNA isolation from muscle tissue and immune cells, gene expression analysis using quantitative (q) PCR; biochemical analysis of plasma biomarkers
- Information technology, and skills in statistics and bioinformatics: *Office, SPSS, Endnote; GeNorm* (qPCR data normalisation), *Gene Set Enrichment Analysis (GSEA)*
- Basic skills in spiroergometry testing

TEACHING QUALIFICATIONS

- Teaching experience at the Dept. of Nutritional Sciences, Univ. of Vienna since 2010
- 2013: Establishment of and since then lecturing the master student's course *Molecular-physiological Aspects of Sports Nutrition*
- Supervision of bachelor students and a master student

SELECTED FURTHER PROFESSIONAL ACTIVITIES

- 2014: Nutritional coaching of a long-distance swimmer in cooperation with the *Institute of Performance Medicine & Military Ergonomics, Austrian Armed Forces*
- Since 2008: Free-lance writer and member of the expert committee on nutrition for *Triathlon Magazin* (spomedis GmbH, Hamburg, Germany)
- 2002–2006: Free-lance assistant at the *Institute for Medical and Sports Scientific Consulting (IMSB)*, Olympic Centre Südstadt and Hospital Wiener Neustadt
- 2003: Internship and project work at the Internat. Olympic Committee (IOC)-accredited Anti-Doping-Laboratory, *Austrian Research Centers* (now called *Austrian Institute of Technology*), Seibersdorf

EDUCATIONAL HISTORY

- 2006–2009: Doctoral studies at the Dep. of Nutritional Sciences, Univ. of Vienna on *Acute Stress and Recovery Responses to an Ironman Triathlon: Oxidative Stress, Antioxidant and Inflammatory Changes and their Relevance for DNA Stability*
Graduation as Doctor in Natural Sciences *summa cum laude*
- 2004: State-registered Instructor for Triathlon, Sports Academy Innsbruck
- 1997–2004: Study of Nutritional Sciences, Univ. of Vienna (final examination *cum laude*)
- 1994–1997: Military Service and Officer Candidate Training and successful completion of the entrance exam for the Theresian Military Academy Wiener Neustadt
- 1994: Graduation MilRG/BORG, Theresian Military Academy Wiener Neustadt

FURTHER INTERESTS

Endurance sports (finisher of four *Ironman* triathlons), literature, music, artwork, travelling, nature



Vienna, Aug. 4th 2014,
Oliver Neubauer, Dr.