

LIST OF PUBLICATIONS | DR. OLIVER NEUBAUER, PRIV.-DOZ.

ORIGINAL AND REVIEW ARTICLES PUBLISHED IN PEER-REVIEWED, SCIENTIFIC JOURNALS

1. Raubenheimer K., Liu A., Koch H., Bondonno N., Matthews V., Sim M., Blekkenhorst L., Woodman R., Bosio E., Croft K., **Neubauer O.**, Hodgson J.M., Bondonno C.P. Increased nitrate intake from beetroot juice does not alter soluble cellular adhesion molecules and circulating inflammatory cytokines in treated hypertensive individuals: a randomised, controlled trial. Accepted for publication in **Food & Function** on October 31st, 2022
(journal 5-year IF = 6.375, ranking 60/322 in biochemistry & molecular biology (Q1), 32/165 in food science & technology (Q1) ¹)
2. Draxler A., Franzke B., Cortolezis J.T., Gillies N.A., Unterberger S., Aschauer R., Zöhrer P.A., Bragagna L., Kodnar J., Strasser E.M., **Neubauer O.**, Sharma P., Mitchell S.M., Zeng N., Ramzan F., D'Souza R.F., Knowles S.O., Roy N.C., Sjödin A.M., Mitchell C.J., Milan A.M., Wessner B., Cameron-Smith D., Wagner K.-H. (2021). The effect of elevated protein intake on DNA damage in older people: Comparative secondary analysis of two randomized controlled trials. **Nutrients** 13 (10): 3479
(journal 5-year IF = 7.185, ranking 15/90 in nutrition & dietetics (Q1))
3. Hwang J.H., McGovern J., Minett G., Della-Gatta P., Roberts L., Harris J., Thompson E., Parker J.T., Peake J.M., **Neubauer O.** [✉] ² (2020). Mobilizing serum factors and immune cells through exercise to counteract age-related changes in cancer risk. **Exercise Immunology Review** 26: 80 – 99.
(journal 5-year IF = 9.844, ranking 4/87 in sport sciences (Q1), article cited 9 times ³)
4. Raubenheimer K., Bondonno C., Blekkenhorst L., Wagner K.-H., Peake J.M., **Neubauer O.** [✉] (2019). Dietary nitrate: effects on inflammation and immune function, and implications for cardiovascular health (*Emerging Science-article*). **Nutrition Reviews** 77 (8): 584 – 599.
(journal 5-year IF = 9.201, ranking 14/90 in nutrition & dietetics (Q1), article cited 21 times)
5. Franzke B., **Neubauer O.** (equally contributing first-author), Cameron-Smith D., Wagner K.-H. (2018). Dietary protein, muscle and physical function in the very old. **Nutrients** 10 (7): 935.
(journal 5-year IF = 7.185, ranking 15/90 in nutrition & dietetics (Q1), article cited 28 times)



¹ 2021 Journal 5-Year Impact Factor, 2021 journal rank (among total number of journals) and quartile in the respective subject category; source: *Clarivate Journal Citation Reports*, retrieved on October 2nd, 2022

² [✉], Corresponding author

³ Article citations; source: *Elsevier Scopus Database*, retrieved on August 1st, 2022

6. Raubenheimer K., Hickey D., Leveritt M., Fassett R., Ortiz De Zevallos-Munoz J., Allen J.D., Briskey D., Parker T.J., Kerr G., Peake J.M., Pecheniuk N.M., **Neubauer O.** (2017). Acute effects of nitrate-rich beetroot juice on blood pressure, hemostasis and vascular inflammation markers in healthy older adults: a randomized, placebo-controlled crossover study. **Nutrients** 9 (11): 1270.
(journal 5-year IF = 7.185, ranking 15/90 in nutrition & dietetics (Q1); article cited 35 times)
7. Broadbent J., Sampson D., Sabapathy S., Haseler J.L., Wagner K.-H., Bulmer A.C., Peake J.M., **Neubauer O.** (2017). Gene networks in skeletal muscle following endurance exercise are co-expressed in blood neutrophils and linked with blood inflammation markers. **Journal of Applied Physiology** 122 (4): 752-766.
(journal 5-year IF = 4.152, ranking 28/87 in sport sciences (Q2), 27/81 in physiology (Q2); article cited 11 times)
8. Peake J.M., **Neubauer O.**, Walsh N.P., Simpson R.J. (2017). Recovery of the immune system after exercise (*Highlighted Topic: Recovery from exercise*). **Journal of Applied Physiology**, 122 (5): 1077-1087.
(journal 5-year IF = 4.152, ranking 28/87 in sport sciences (Q2), 27/81 in physiology (Q2); article cited 135 times)
9. Peake J.M., **Neubauer O.**, Della-Gatta P., Nosaka K. (2017). Muscle damage and inflammation during recovery from exercise (*Highlighted Topic: Recovery from exercise*). **Journal of Applied Physiology** 122 (3): 559-570.
(journal 5-year IF = 4.152, ranking 28/87 in sport sciences (Q2), 27/81 in physiology (Q2); article cited 247 times)
10. Tosevska A., Franzke B., Hofmann M., Vierheilig I., Schober-Halper B., Oesen S., **Neubauer O.**, Wessner B., Wagner K.-H., Vienna Active Ageing Study Group (VAAS) (2016). Circulating cell-free DNA, telomere length and bilirubin in the Vienna Active Ageing Study: an exploratory analysis of a randomized, controlled trial. **Scientific Reports** 6: 38084.
(journal 5-year IF = 5.516, ranking 19/73 in multidisciplinary sciences (Q2); article cited 11 times)
11. Franzke B., **Neubauer O.**, Wagner K.-H. (2015). Super DNAgeing-New insights into DNA integrity, genome stability and telomeres in the oldest old. **Mutation Research - Reviews in Mutation Research** 766: 48-57.
(journal 5-year IF = 7.403, ranking 21/175 in genetics & heredity (Q1); article cited 27 times)

12. Bisht K., Wegiel B., Tampe J., **Neubauer O.**, Wagner K.-H., Otterbein L., Bulmer A.C. (2014). Biliverdin modulates the expression of C5aR in response to endotoxin in part via mTOR signaling. **Biochemical and Biophysical Research Communications** 449 (1): 94-99
(journal 5-year IF = 3.498, ranking 196/296 in biochemistry & molecular biology (Q3); article cited 31 times)
13. **Neubauer O.**✉, Sabapathy S., Desbrow B., Ashton K., Lazarus R., Wessner B., Peake J.M., Cameron-Smith D., Wagner K.-H., Haseler J.L., Bulmer A.C. (2014). Time-course dependent changes in the transcriptome of human skeletal muscle during recovery from endurance exercise: From inflammation to adaptive remodelling. **Journal of Applied Physiology** 116 (3): 274-287.
(journal 5-year IF = 4.152, ranking 28/87 in sport sciences (Q2), 27/81 in physiology (Q2); article cited 48 times)
14. **Neubauer O.**✉, Sabapathy S., Lazarus R., Jowett J.B.M., Desbrow B., Peake J.M., Cameron-Smith D., Haseler J.L., Wagner K.-H., Bulmer A.C. (2013). Transcriptome analysis of neutrophils after endurance exercise reveals novel signalling mechanisms in the immune response to physiological stress. **Journal of Applied Physiology** 114 (12): 1677-1688.
(journal 5-year IF = 4.152, ranking 28/87 in sport sciences (Q2), 27/81 in physiology (Q2); article cited 45 times)
15. Wagner K.-H., Reichhold S., **Neubauer O.** (2011). Impact of endurance and ultraendurance exercise on DNA damage. **Annals of the New York Academy of Sciences** 1229: 115-123.
(journal 5-year IF = 6.575, ranking 14/73 in multidisciplinary sciences (Q1); article cited 29 times)
16. Wagner K.-H., Reichhold S., Knasmüller S., Nics L., Meisel M., Hoelzl H., **Neubauer O.** (2010). Well-trained, healthy triathletes experience no adverse health risks regarding oxidative stress and DNA damage by participating in an ultra-endurance event **Toxicology** 278 (2): 211-216.
(journal 5-year IF = 4.821, ranking 22/94 in toxicology (Q1); article cited 26 times)
17. Hoelzl C., Knasmüller S., Wagner K.-H., Esbling L., Huber W., Kager N., Ferk F., Ehrlich V., Nersesyan A., **Neubauer O.**, Desmarchelier A., Marin-Kuan M., Delatour T., Verguet C., Bezencon C., Besson A., Grathwohl D., Simic T., Kundi M., Schilter B., Cavin C. (2010). Instant coffee with high chlorogenic acid levels protects humans against oxidative damage of macromolecules. **Molecular Nutrition & Food Research** 54 (12): 1722-1733
(journal 5-year IF = 6.883, ranking 21/143 in food science and technology (Q1); article cited 111 times)

18. **Neubauer O.** , Reichhold S., Nics L., Hoelzl C., Valentini J., Stadlmayr B., Knasmüller S., Wagner K.-H. (2010). Antioxidant responses to an acute bout of ultra-endurance exercise: Impact on DNA stability and indications for an increased need of nutritive antioxidants in the early recovery phase. **British Journal of Nutrition** 104 (8): 1129-1138
(journal 5-year IF = 4.862, ranking 48/90 in nutrition & dietetics (Q3); article cited 43 times)
19. Reichhold S, **Neubauer O**, Hoelzl C, Stadlmayr B, Valentini J, Ferk F, Kundi M, Knasmüller S, Wagner K-H (2009). DNA damage in response to an Ironman Triathlon. **Free Radical Research** 43 (8): 753-760.
(journal 5-year IF = 4.179, ranking 141/296 in biochemistry & molecular biology (Q2); article cited 21 times)
20. Reichhold S, **Neubauer O**, Bulmer AC, Knasmüller S, Wagner K-H (2009). Endurance exercise and DNA stability: Is there a link to duration and intensity? **Mutation Research – Reviews in Mutation Research** 682 (1): 28-38.
(journal 5-year IF = 7.403, ranking 21/175 in genetics & heredity (Q1); article cited 39 times)
21. **Neubauer O** , Reichhold S, Nersesyan A, König D, Wagner K-H (2008). Exercise-induced DNA damage: Is there a relationship with inflammatory responses? **Exercise Immunology Review** 14: 51-72
(journal 5-year IF = 9.844, ranking 4/87 in sport sciences (Q1), article cited 52 times)
22. **Neubauer O.**, König D., Kern N., Nics L., Wagner K.-H. (2008). No Indications of Persistent Oxidative Stress in Response to an Ironman Triathlon. **Medicine & Science in Sports & Exercise** 40 (12): 2119-2128.
(journal 5-year IF = 6.131, ranking 9/87 in sport sciences (Q1); article cited 48 times)
23. Reichhold S., **Neubauer O.**, Ehrlich V., Knasmüller S., Wagner K.-H. (2008). No acute and persistent DNA damage after an Ironman Triathlon. **Cancer Epidemiology Biomarkers & Prevention** 17: 1913-1919.
(journal 5-year IF = 5.594, ranking 84/210 in public, environmental and occupational health (Q2); article cited 28 times)
24. **Neubauer O.**, König D., Wagner K.-H. (2008). Recovery after an Ironman Triathlon: Sustained Inflammatory Responses and Muscular Stress. **European Journal of Applied Physiology** 104 (3): 417-426.
(journal 5-year IF = 3.632, ranking 38/87 in sport sciences (Q2), 32/81 in physiology (Q2); article cited 143 times)

25. König D., **Neubauer O.**, Nics L., Kern N., Berg A., Bisse E., Wagner K.-H. (2007). Biomarkers of exercise-induced myocardial stress in relation to inflammatory and oxidative stress. *Exercise Immunology Review* 13: 15-3.

(journal 5-year IF = 9.844, ranking 4/87 in sport sciences (Q1); article cited 32 times)

MANUSCRIPT IN PREPARATION FOR PUBLICATION

Bondonno C.P., Zhonga L., Bondonno N., Sim M., Blekkenhorst L., Liu A., Rajendraa A., Pokharela P., Erichsen D., Neubauer O., Croft K., Hodgson J. Nitrate: the Dr. Jekyll and Mr. Hyde of human health?

BOOK CHAPTERS

Wagner K.-H., Franzke B., **Neubauer O.** Super DNAgging – New Insights Into DNA Integrity, Genome Stability, and Telomeres in the Oldest Old. In: *Conn's Handbook of Models for Human Aging*, edited by M. Conn, Elsevier Inc. In press.

Neubauer O., Yfanti C. (2015). Antioxidants in Athlete's Basic Nutrition – Considerations towards a Guideline for the Intake of Vitamin C and Vitamin E. In: *Antioxidants in Sports Nutrition*, edited by M Lamprecht, CRC Press - Taylor and Francis, LLC

PRESENTATIONS ON SCIENTIFIC MEETINGS (based on peer-reviewed abstracts and/or invitations)

Neubauer O. Nitrate-rich beetroot juice elicits beneficial effects on markers of blood leukocyte and platelet activation in older adults: A randomized controlled study. **Joint Meeting on Vascular Biology, Inflammation and Thrombosis 2020** (online conference) organized by the Austrian Special Research Program SFB-F54 "InThro", Medical University of Vienna, May 13th&14th, 2020. *Short talk (online)*

Neubauer O. Nutritional strategies for promoting recovery after exercise (Ernährungsmaßnahmen zur Regenerationsförderung). **Annual Meeting of the Austrian Nutrition Society (Österreichische Gesellschaft für Ernährung, ÖGE)**, Nov. 15th & 16th, 2018, Ministry of Health, Vienna, Austria. *Invited, oral presentation*

Raubenheimer K., Hickey D., Briskey D., Fassett R., Leveritt M., Parker T.J., Kerr G., Peake J.M., Pecheniuk N.M., **Neubauer O.** (presenting author). Can nitrate-rich beetroot juice promote vascular health in older adults? A randomized, controlled study. **Queensland Cardiovascular Research Network Showcase**, Nov. 23rd, 2017, Translational Research Institute, Woolloongabba, Australia. *Oral presentation*

Neubauer O. Coexpressed gene networks among skeletal muscle and blood neutrophils following endurance exercise – in the search of new biomarkers for muscle physiology. **Human Genomics Society of Australasia 41st Annual Scientific Meeting**. Aug. 5th, 2017, Brisbane Convention & Exhibition Centre, Brisbane, Australia. *Invited, oral presentation for the Australasian Society of Diagnostic Genomics Special Interest Group Meeting*

Neubauer O., Broadbent J., Sampson D., Sabapathy S., Wagner K.-H., Haseler L.J., Bulmer A.C., Peake J.M. Novel time course related linkages of skeletal muscle gene networks with blood inflammation and muscle damage markers following endurance exercise. **13th Symposium of the International Society of Exercise and Immunology (ISEI)**, July 11th – 14th, 2017, Coimbra, Portugal. *Oral presentation*

Neubauer O., Broadbent J., Sampson D., Sabapathy S., Wagner K.-H., Haseler L.J., Bulmer A.C., Peake J.M. Gene networks in human skeletal muscle following endurance exercise are preserved in blood neutrophils. **2016 Congress of the European College of Sport Science (ECSS)**, July 6th – 9th, 2016, Vienna, Austria. *Oral presentation*

Broadbent J., Sampson D., Sabapathy S., Haseler J.L., Bulmer A.C., Peake J.M., **Neubauer O.** (presenting author). Exercise physiology meets weighted gene co-expression network analysis: Crosstalk of blood neutrophils with skeletal muscle following endurance exercise. **Big Biology and Bioinformatics Symposium 2015**, Nov. 23rd & 24th, 2015, Queensland University of Technology, Gardens Point Campus, Brisbane, Australia. *Oral presentation*

Neubauer O. The role of leukocytes in muscle and immune cross-talk. **12th Symposium of the ISEI**, July 6th – 9th, 2015, Vienna, Austria. *Invited, oral presentation as a keynote speaker in the session about regeneration and adaptation in skeletal muscle*

Neubauer O., Isautier J., Desbrow B., Sabapathy S., Haseler L., Wagner K.-H., Bulmer A.C. Habitual antioxidant consumption influences antioxidant responses during recovery from intense endurance exercise. **Annual Meeting of the Austrian Nutrition Society (ÖGE)**, Nov. 26th – 27th, 2014. *Poster presentation*

Neubauer O. Recovery of skeletal muscle after exercise in young and elderly humans (Regeneration der Skelettmuskulatur nach körperlicher Belastung bei jüngeren und älteren Menschen). **2. Wiener Muskeltag (2nd Vienna Muscle Day)**, Nov. 8th, 2013, Vienna, Austria. *Invited, oral presentation*

Neubauer O., Sabapathy S., Peake J., Ashton K.J., Wessner B., Desbrow B., Lazarus R., Cameron-Smith D., Wagner K.-H., Haseler L., Bulmer A.C. Time-course of transcriptomic responses in skeletal muscle during recovery from endurance exercise indicates prolonged muscular inflammation. **11th Symposium of the ISEI**, Sep. 9th – 12th, 2013, Newcastle, Australia. *Oral presentation*

Neubauer O., Sabapathy S., Lazarus R., Desbrow B., Ashton K.J., Wessner B., Peake J., Cameron-Smith D., Wagner K.-H., Haseler L., Bulmer A.C. Time-course of transcriptomic changes in skeletal muscle during recovery from endurance exercise. **2013 Congress of the ECSS**, June 26th – 29th, 2013, Barcelona, Spain. *Oral presentation*

Neubauer O., Sabapathy S., Lazarus R., Ashton K.J., Desbrow B., Cameron-Smith D., Haseler L., Wagner K.-H., Bulmer A.C. Acute endurance exercise induces up-regulation of skeletal muscle genes involved in metabolism, mitochondrial biogenesis and insulin sensitivity. **Conference on Lifestyle, Oxidative Stress & Diabetes Mellitus**, Nov. 8th – 9th, 2012, Modra, Slovakia. *Oral presentation*

Neubauer O., Sabapathy S., Lazarus R., Jowett J., Desbrow B., Cameron-Smith D., Haseler L., Wagner K.-H., Bulmer A.C. Counter-regulation of interleukin-1 receptor and Toll-like receptor signalling in neutrophils during recovery from muscle-damaging endurance exercise. **2012 Congress of the ECSS**, July 4th – 7th, 2012, Bruges, Belgium. *Oral presentation*

Neubauer O., Sabapathy S., Isautier J., Desbrow B., Steward G., Bisht K., Ashton K., Wagner K.-H., Haseler L., Bulmer A.C. Skeletal muscle and blood neutrophil gene responses to endurance exercise. **Gold Coast Health and Medical Research Conference**, Dec. 1st – 2nd, 2011, Gold Coast, Australia. *Poster presentation*

Neubauer O., Wagner K.-H. Antioxidant requirements and physical exercise. **Annual Meeting of the Austrian Nutrition Society (ÖGE)**, Nov. 29th, 2010, Ministry of Health, Vienna, Austria. *Invited, oral presentation*

Neubauer O., Reichhold S., König D., Knasmüller S., Wagner K.-H. Inflammatory, Oxidative Stress and Antioxidant Responses after Ultra-Endurance Exercise and their Relevance for DNA Stability. **9th Symposium of the ISEI**, Sep. 21st – 23rd, 2009, Tübingen, Germany. *Oral presentation*

Neubauer O., Reichhold S., König D., Knasmüller S., Wagner K.-H. Implications of Oxidative Stress, Antioxidant and Inflammatory Responses on DNA Stability after Ultra-Endurance Exercise, **Society for Free Radical Research (SFRR)-Europe Meeting**, Aug. 26th – 29th, 2009, Rome, Italy. *Poster presentation*, abstract: *Free Radic Res.* 43, S1: S92

Neubauer O., Reichhold S., König D., Knasmüller S., Wagner K.-H. Ultra-endurance exercise and DNA Stability: Role of Inflammatory and Antioxidant Responses, **2009 Congress of the ECSS**, June 24th – 27th, 2009, Oslo, Norway. *Oral presentation*

Neubauer O., Reichhold S., König D., Knasmüller S., Wagner K.-H. Consequences of Inflammatory and Antioxidant Responses on DNA Damage after Ultra-endurance Exercise, **24th Meeting of the German section of the European Environmental Mutagen Society**, Feb. 17th – 20th, 2009, University of Vienna. *Oral presentation*

Neubauer O., Reichhold S., Knasmüller S., König D., Wagner K.-H. Exercise and DNA Damage: Significance of Inflammatory and Antioxidant Responses, **2nd Copenhagen Workshop on DNA Oxidation**, Jan. 29th – 30th, 2009, University of Copenhagen, Denmark. *Poster presentation*

Neubauer O., König D, Wagner K.-H. Recovery Responses in Ironman Triathletes, **2008 Congress of the ECSS**, July 9th – 12th, 2008, Estoril, Portugal. *Oral presentation*

Neubauer O., König D., Reichhold S., Wagner K.-H. Recovery Responses in Ironman Triathletes. **1st Symposium of the Vienna Research Platform of Nutritional and Food Sciences**, Apr. 25th, 2008, University of Vienna, Austria. *Poster presentation*, abstract: *Annals of Nutrition and Metabolism* 52 (2008): 131

Neubauer O., Kern N., Nics L., Reichhold S., Wagner K.-H. Enhanced Antioxidant Capacity after an Ironman Triathlon. *1st symposium of the Vienna Research Platform of Nutritional and Food Sciences*, Apr. 25th, 2008, University of Vienna, Austria. *Poster presentation*, abstract: *Annals of Nutrition and Metabolism* 52 (2008): 130

Neubauer O., Kern N., Nics L., Reichhold S., Wagner K.-H. Oxidative stress and antioxidant responses after an Ironman triathlon. *International conference Oxidative Stress in Diseases*, Apr. 24th, 2008, Bratislava, Slovakia. *Oral presentation*

Neubauer O., Kern N., Nics L., Wagner K.-H. How Ironman Triathletes Balance Oxidative Stress. *2007 Congress of the ECSS*, July 11th – 14th, 2007, Jyväskylä, Finland. *Oral presentation*

SELECTED LECTURES AT UNIVERSITIES AND TO THE PUBLIC

Neubauer O. Wie Sport und Ernährung auf unsere Zellen wirken. Public lecture on how sport and nutrition affect our cells, *Science Program Wiener Volkshochschulen (VHS, Vienna Folk University)*, April 28th, 2022, Wiener Planetarium, Austria. Oral and online lecture.

Neubauer O. Antioxidantien, freie Radikale und oxidativer Stress im Kontext der Sporternährung (antioxidants, free radicals and oxidative stress in the context of sports nutrition). *Online symposium of the Austrian Nutrition Society (ÖGE)*, Jan. 27th, 2022, online, Austria. Invited lecture

Neubauer O. Trends in der Sporternährung (trends in sports nutrition). Public webinar organized by Danube University Krems, Sep. 26th, 2021, online

Neubauer O. Mit der richtigen Ernährung und Sport gesund durch Herbst und Winter (about the impact of nutrition and sport/exercise on the immune system). Public lecture/webinar for the *MiniMed public health-webinar series*, Sep. 30th, 2020, online

Neubauer O. Ernährung und Arthrose (Nutrition and osteoarthritis). Public lecture for the *Arthrose Initiative (Osteoarthritis Initiative)* within the *MiniMed public health-lecture series*, Oct. 25th, 2019, Danube University Krems, Austria

Neubauer O. Die richtige Ernährung für Training, Wettkampf und Regeneration (about nutritional measures for exercise training, competition, and recovery). Public lecture for the *MiniMed public health-lecture series*, Sep. 8th, 2019, Danube University Krems, Austria

Neubauer O. Neue Aspekte in der Sporternährung (new aspects in sports nutrition). Invited lecture for the teacher training course of the *Pädagogische Hochschule Niederösterreich*, July 10th, 2019, Bildungshaus St. Magdalena, Linz, Austria

Neubauer O. Ernährungsstrategien für die Regeneration (nutritional strategies for recovery from exercise). Invited lecture for the *Wiener Leichtathletik Verband (Vienna Athletics Association)*, May 2nd, 2019, Ferry Dusika Stadion, Vienna, Austria

Neubauer O. Ernährung und Nahrungsergänzungsmittel bei Arthrose – Fakten und Fiktion (about nutrition and nutritional supplements in osteoarthritis). Invited lecture for the **4. Fachtag Arthrose, Knorpel & Regenerative Medizin (4th Symposium Osteoarthritis, Cartilage & Regenerative Medicine)**. Nov. 17th, 2018, Haus der Ingenieure, Wien, Austria

Neubauer O., Raubenheimer K., Hickey D., Parker T.J., Kerr G., Peake J.M., Pecheniuk N.M. Can nitrate-rich beetroot juice promote vascular health in older adults? A randomized, placebo-controlled, crossover study. Oral presentation at the **IHBI Inspires 2017 Annual Conference** by the Institute of Health and Biomedical Innovation, Queensland University of Technology. Aug. 23rd – 24th 2017. Brisbane Convention & Exhibition Centre, Brisbane, Australia

Neubauer O. Crosstalk of blood neutrophils with skeletal muscle following endurance exercise: a transcriptome perspective. Lecture for the **Heart Foundation Research Centre – Seminar Series** (Griffith University), Nov. 17th, 2015, Griffith University, Gold Coast Campus, Australia

Neubauer O. Crosstalk of blood neutrophils with skeletal muscle following endurance exercise: a transcriptome perspective. Lecture for the **School of Biomedical Sciences – Seminar Series** (Queensland University of Technology), Oct. 2nd, 2015, Queensland University of Technology, Gardens Point Campus, Brisbane, Australia

Neubauer O. Sport und Ernährung auf Zellebene: Wie körperliches Training und die Ernährung Signale in Zellen aktivieren. Public lecture on the molecular mechanisms underlying the interaction between nutrition and exercise training. **Science Program Wiener Volkshochschulen (VHS, Vienna Folk University)**, Dec. 3rd, 2014, VHS Wiener Urania

Neubauer O. Transcriptomic responses of circulating neutrophils and skeletal muscle during recovery from endurance exercise. Scientific symposium to evaluate the University Vienna – Research Platform Active Ageing. April 28th, 2014, Department of Nutritional Sciences, University of Vienna, Austria

Neubauer O. Veränderungen des Transkriptoms von neutrophilen Leukozyten und der Skelettmuskulatur während der Regeneration nach einer Ausdauerbelastung. Invited guest lecture at the University Hospital Ulm – Division of Sports- and Rehabilitation Medicine, Germany, March 20th, 2014

Neubauer O. Transcriptomic responses of circulating neutrophils and skeletal muscle during recovery from endurance exercise. Lecture at the **1st Scientific Meeting of the Research Platform Active Ageing – Cells meet Function, an integrative approach in research on ageing**, Apr. 9th, 2013, University of Vienna, Austria

Neubauer O., Sabapathy S., Lazarus R., Jowett J., Desbrow B., Cameron-Smith D., Haseler L., Wagner K.-H., Bulmer A.C. Global gene responses of neutrophils following muscle-damaging endurance exercise. Oral presentation at the **3rd annual retreat of the Active Aging Research Platform**, Aug 29th, 2012, Department of Nutritional Sciences, University of Vienna, Austria

Neubauer O., Sabapathy S., Lazarus R., Ashton K., Desbrow B., Jowett J., Cameron-Smith D., Haseler L., Wagner K.-H., Bulmer A.C. Skeletal muscle and blood neutrophil gene responses to endurance exercise. Lecture for the *Griffith Health Institute – Seminar Series*, May 8th, 2012, Griffith University, Gold Coast Campus, Australia

Neubauer O. Relevance of training status and antioxidants on stress responses to an Ironman triathlon. Guest lecture for the students' course *Advances in Nutrition Research*, Nov. 11th, 2010, Department of Nutritional Sciences, University of Vienna, Austria

Neubauer O. Inflammatory and Oxidative Stress Responses to Ironman Triathlon Races and the Relevance of Antioxidants. Invited presentation at the **Centre of Excellence for Applied Sport Science Research, Queensland Academy of Sport (QAS)**, Brisbane, Australia; Sep. 6th, 2010 (abstract: *QAS Research News*, Spring 2010)

Neubauer O. Ernährung im Triathlon. Invited lecture for the training course for National Certified Triathlon Instructors by the *Federal Sports Academy (Bundessportakademie, BSPA, Innsbruck)* on nutrition in triathlon, April 29th, 2010, Institute for Sport Sciences, University of Vienna

Neubauer O., Reichhold S., Wagner K.-H.. Wie übersteht der Körper den Ironman-Triathlon? Einblicke in die Stressbewältigungsmechanismen von Ausdauersportlern. Lecture on how Ironman triathletes balance the exercise-induced stress responses. Lecture for the **University Meets Public program by the Vienna Folk University**, Nov. 11th, 2007, Volkshochschule Landstraße, Vienna, Austria

Neubauer O., Reichhold S., Wagner K.-H.. Wie übersteht der Körper den Ironman-Triathlon? Einblicke in die Stressbewältigungsmechanismen von Ultra-Ausdauersportlern. Information event for triathletes, Dept. of Nutritional Sciences, University of Vienna, Oct. 25th, 2007, and Universitätslandessportzentrum Salzburg, Nov. 15th, 2007

Neubauer O. Basisernährung, Wettkampfernährung und Supplemente im Triathlon. Lectures on nutrition, race nutrition and supplementation in triathlon; Triathlon-Workshop, Nov. 12th – 13th, 2006, Gesundheitszentrum Bad Sauerbrunn, Austria

ARTICLES IN POPULAR-SCIENTIFIC JOURNALS

Neubauer O. (2018). Neue Aspekte zur Wirkung von Nitrat aus pflanzlichen Lebensmitteln auf die Herz-Kreislauf-Gesundheit. *Ernährung aktuell* 4:6-8. (about new aspects on the effects of plant food-derived nitrate on cardiovascular health)

Neubauer O. (2013). Sind Freie Radikale? *Triathlon Training* ⁴ 39:48-50 (about novel findings on antioxidants during exercise training)

Neubauer O., Reichhold S., Wagner K.-H. (2008). Biochemische, physiologische und molekularbiologische Stressreaktionen nach einem Ironman-Triathlon. *Ernährung aktuell* 3:1-4 (brief summary on the main findings of the Austrian Science Fund-funded research project)

⁴ *Triathlon and Triathlon Training* (published by spomedis GmbH, Hamburg, Germany)

Neubauer O. (2008). Wettlauf der Kohlenhydrate. *Triathlon Training* 6:86-89 (about the specific effects of different carbohydrate types in race nutrition)

Neubauer O. (2007). Eiserner Widerstand. *Triathlon Training* 4:59-61 (first general results of the “Ironman study” regarding physiological stress responses after an Ironman race)

Neubauer O. (2006). Eisenmänner als ‘Modelle’ für Stressresistenz. *Triathlon Sonderausgabe Ironman Austria*:38 (a general introduction of the Austrian Science Fund-funded “Ironman study”)

Neubauer O. (2006). Kohlenhydrate–Die Energiespezialisten. *Triathlon* 44:98-99 (an update on the guidelines for the carbohydrate intake for endurance athletes)

Neubauer O. (2006). Fette–Treibstoff für die Langzeitausdauer. *Triathlon* 45:98-99 (on the importance of the adequate quantity and quality of lipids for endurance athletes)

Neubauer O. (2006). Zur Hölle mit den Freien Radikalen. *Triathlon* 43:82-83 (on reactive oxygen species, oxidative stress and antioxidants in the context with exercise)

Neubauer O. (2005). Regenerationsspezialisten–Aminosäuren sind mehr als Eiweißbausteine. *Triathlon* 39:56-58 (about the relevance of amino acids for recovery)

Neubauer O. (2005). Der Wachmacher–Reizstoff Koffein. *Triathlon* 38:54-56 (on the physiological, metabolic and performance-enhancing effects of caffeine)

Neubauer O. (2005). Erfolg geht durch den Magen. *Triathlon* 37:54-58 (about nutritional aspects before, during and after triathlon races)

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