

## Gernot Faustmann

### Head of Communication and Transfer Unit

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### SCIENTIFIC & ACADEMIC CAREER

since 2019	Deputy Head of the Office of Research Management and Service, University of Graz, Austria
since 2017	Certified Knowledge & Technology Broker (ISO/IEC 17025)
since 2015	Knowledge and Technology Transfer Officer, University of Graz, Austria
2008-2016	Researcher, Institute of Molecular Biosciences, Human Nutrition and Metabolism Research and Training Center, University of Graz, Austria; Ph.D. Thesis “Activation of nuclear factor-kappa B across the menstrual cycle”
2014-2015	Researcher, Clinical Division of Nephrology, Department of Internal Medicine, Medical University of Graz, Austria
2001-2009	Studies of Nutritional Sciences, University of Vienna, Austria, and University of Kuopio, Finland
2005-2007	Studies of Health Sciences/Public Health, University of Kuopio, Finland, and Karolinska Institutet, Stockholm, Sweden

### RESEARCH

Gernot Faustmann was engaged in both EU as well as industry funded research projects. His main research interests included influence of the menstrual cycle as well as renal function on metabolism and inflammation including the NF- $\kappa$ B pathway. He was involved in both observational and interventional human studies and was co-lecturer of “Nutritional physiology and metabolic diseases” between 2009 and 2018.

### KNOWLEDGE AND TECHNOLOGY TRANSFER

Gernot Faustmann supports numerous translational research projects (mainly life sciences) in defining the exploitation and funding strategies as well as regarding intellectual property issues. He has coordinated numerous events/initiatives to partner science with business/industry, engages in science to public events and is experienced in communicating science, inventions and technologies.

### 10 MOST IMPORTANT PUBLICATIONS

#### *Full articles (peer-reviewed)*

1. Faustmann G, Tiran B, Trajanoski S, Obermayer-Pietsch B, Gruber H-J, Ribalta J, Roob JM, Winklhofer-Roob BM. Activation of nuclear factor-kappa B subunits c-Rel, p65 and p50 by plasma lipids and fatty acids across the menstrual cycle. **Free Rad Biol Med** 2020; Nov (160): 488-500. doi: 10.1016/j.freeradbiomed.2020.08.012
2. Szostaczuk N, van Schothorst EM, Sánchez J, Priego T, Palou M, Bekkenkamp-Grovenstein M, Faustmann G, Tiran B, Roob JM, Winklhofer-Roob BM, Keijer J, Palou A, Pico C. Identification of blood cell transcriptome-based biomarkers in adulthood predictive of increased risk to develop metabolic disorders using early life intervention rat models. **The FASEB Journal** 2020. doi:10.1096/fj.202000071RR

3. Masania J, Faustmann G, Anwar A, Hafner-Giessauf H, Rajpoot N, Grabher J, Rajpoot K, Tiran B, Obermayer-Pietsch B, Winklhofer-Roob BM, Roob JM, Rabbani N, Thornalley PJ. Urinary metabolomic markers of protein glycation, oxidation, and nitration in early-stage decline in metabolic, vascular, and renal health. **Oxid Med Cell Longev** 2019. 1–15. doi.org/10.1155/2019/4851323
4. Schwab C, Paar M, Fengler VH, Ivastinovic D, Haas A, Seidel G, Glatz W, Malle E-M, Weger M, Velikay-Parel M, Faustmann G, Wedrich A, Reibnegger G, Winklhofer-Roob BM, Oettl K. Gender differences in albumin and ascorbic acid in the vitreous antioxidant system. **Free Rad Biol Med** 2020; Jan (146): 257-63. doi.org/10.1016/j.freeradbiomed.2019.11.008
5. Faustmann G, Meinitzer A, Magnes C, Tiran B, Obermayer-Pietsch B, Gruber H-J, Ribalta J, Rock E, Roob JM, Winklhofer-Roob BM. Progesterone-associated arginine decline at luteal phase of menstrual cycle and associations with related amino acids and nuclear factor kB activation. **PLoS One** 2018; 13 (7): 1–25. doi.org/10.1371/journal.pone.0200489
6. Winklhofer-Roob BM, Faustmann G, Roob JM. Ex vivo resistance of LDL to oxidation and circulating oxidized LDL: biomarkers for health claim substantiation of bioactive compounds protecting LDL from oxidation. **Free Rad Biol Med** 2017; Oct (111):38-86. doi.org/10.1016/j.freeradbiomed.2017.04.345
7. Faustmann G, Tiran B, Maimari T, Kieslinger P, Obermayer-Pietsch B, Gruber H-J, Roob JM, Winklhofer-Roob BM. Circulating leptin and NF-κB activation in peripheral blood mononuclear cells across the menstrual cycle. **Biofactors** 2016; 42 (4): 376-87. doi.org/10.1002/biof.1281

#### **Book chapter**

8. Faustmann G, Cavin C, Nersesyan A, Knasmüller S. Chemopreventive properties of coffee and its constituents. In: Chemoprevention of cancer and DNA damage by dietary factors (eds. Knasmüller S, DeMarini DM, Johnson I, Gerhäuser C). **Wiley-VCH Verlag GmbH & Co.** KGaA, Weinheim, 2009; 579-594 (book chapter)

#### **Abstracts (peer-reviewed)**

9. Faustmann G, Maimari T, Meinitzer A, Tiran B, Öttl K, Gruber HJ, Roob JM, Winklhofer-Roob BM. Effects of the menstrual cycle on the metabolic and vascular phenotype of healthy women. **The FASEB Journal** 2014, 28 (Suppl. 1): 643.7
10. Faustmann G, Roob JM, Gruber HJ, Hafner-Giessauf H, Grabher J, Tiran B, Winklhofer-Roob BM. Activation of RelA (p65), but not of p50 dimers of nuclear factor kappa κB (NF- κB) is decreased in impaired renal function. **The FASEB Journal** 2013, 27 (Meeting Abstract Supplement): 46.7