

CURRICULUM VITAE

Contact information:

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Research interest:

Exploring the human gut microbiota and intrinsic and extrinsic connections with focus on nutritional impacts by using selected techniques of bioinformatics and statistical analysis.

Current positions:

- Senior Lecturer at the Department of Nutritional Sciences, University of Vienna
- Responsible head for “UE Practice of Human Nutrition I” and “UE Biochemical Practise”
- Prae-doc at the Department of Nutritional Sciences, University of Vienna
- Supervision of bachelor students and mentoring of master students in their thesis

Higher Education:

2009 Graduation from Federal Higher Technical Institute for Education and Experimentation
HBLVA Rosensteingasse, Vienna
2014 Graduation from University of Vienna (Bachelor’s degree, Nutritional Sciences)
Thesis: Effect of selected natural food ingredients on the immune system
2017 Graduation from University of Vienna (Master’s degree, Nutritional Sciences)
Thesis: Associations of unconjugated bilirubin and microbiota in humans
2017 Graduation from University of Vienna (Bachelor’s degree, Biology; Microbiology and Genetics)
Thesis: Changes of gut microbiota in High-LET irradiated mice
Current Prae-doc at the Department of Nutritional Sciences, University of Vienna

Work experience and academic appointments:

08/2005 – 09/2005: State Institute for Veterinary Examinations Ehrental, Carinthia
Veterinary pathological laboratory
07/2006 – 08/2006: Country hospital Horn, Lower Austria
Human medical pathological laboratory
09/2009 – 03/2010: Military Service
08/2014 – 12/2014: Department of Nutritional Sciences, University of Vienna
Human study: recruitment, anthropometry, exercise protocols
03/2014 – 03/2016: Department of Nutritional Sciences, University of Vienna
Training as a panellist, sensory testing
10/2013 – 08/2016: Department of Nutritional Sciences, University of Vienna
Research assistant at Nutritional Sciences Directorate of Studies

04/2014 – 02/2017: Department of Nutritional Sciences, University of Vienna
Tutoring students in “UE Introduction to Laboratory Practice”

04/2017 – 07/2018: Department of Nutritional Sciences, University of Vienna
Project staff: Austrian Science Fund (FWF) Stand-Alone Project P 29608

09/2014 – 07/2018: Center for Teaching and Learning, University of Vienna
Communicator and e-tutor for blended learning, especially *Flipped Classroom*
with support of the free and open-source learning management system Moodle

08/2018 – 04/2021: Research platform “Active Ageing”, University of Vienna
Project staff: EU funded, cross-border project SK-AT INTERREG “NutriAging”

09/2024 – 04/2025: Department of Nutritional Sciences, University of Vienna
Chemical Technical Assistant

(Selected) Conference participations/Poster presentations/ Awards/Grants:

09/2017: Poster presentation ÖGE Jahrestagung 2017
Yellow Fellows: Is the gut microbiota changed in mild hyperbilirubinemia?

11/2017: Meeting Abstract Ernährung aktuell
Yellow Fellows: Is the gut microbiota changed in mild hyperbilirubinemia?

04/2018: Science communication Lange Nacht der Forschung 2018
Presentation of the NutriAging Interreg SK-AT project

04/2018: Science communication Wiener Gesundheitstage 2018
Presentation of the NutriAging Interreg SK-AT project

06/2018: UNIVIE Teaching Award²⁰¹⁸
Flipped Classroom als Lehrkonzept im Zeitalter der Digitalisierung

11/2018: Science communication ÖGE Jahrestagung 2018
Presentation of the NutriAging Interreg SK-AT project

11/2018: ÖGE Ernährungsforschungs-Preis 2018
Category: Master's thesis

11/2018: Science communication VEÖ Schnitt.Punkt
Ernährungswissenschaften in der Forschung

06/2019: Meeting Abstract 24th Annual Congress of the European College of Sport Science
Effects of low or high amounts of dietary protein and resistance training on muscle quality of older adults: a randomized controlled trial

06/2019: Science communication Science Slam Fakultätsfest Fakultät für Lebenswissenschaft
Radikale Signale, oder Warum mehr nicht immer besser ist großartig dar.

11/2019: Granting of Moodle educator certificate by Moodle Pty Ltd

11/2019: Science communication Science Slam Wien
Radikale Signale, oder Warum mehr nicht immer besser ist großartig dar.

11/2019: Conference participation ÖGE Jahrestagung 2019
Der Zusammenhang von Körperzusammensetzung, Proteinaufnahme und Krafttraining im Alter – Erste Ergebnisse der NutriAging Studie

09/2020: Poison license of the University of Vienna (Valid until 03.12.2023, renewal requested)

09/2020: Training as radiation protection officer for Industry and Technics

09/2020: Supplementary training for sealed radioactive sources and industrial x-ray devices

11/2020: Granting of engineer of chemistry by Wirtschaftskammer Wien

11/2020: Supplementary training for High Activity Sealed Radioactive Sources for Industry and Technics

01/2021: Fellowship Vienna Doctoral School of Pharmaceutical, Nutritional and Sport Sciences
Completion Grant 2021

03/2021: Science communication First PhaNuSpo members meeting

9 years of research in 6 minutes

07/2022: Supplementary training for non medical use of unsealed radioactive materials

07/2022: Training as Safety representatives

09/2022: Science communication NUTRIAGING Final conference, Comenius University, Bratislava

Microbiome and its importance in older age

09/2024: Conference participation MoodleMoot DACH DevCamp & BarCamp, TU Vienna

10/2024: 1st UNIVIE Teaching Award 2024: Life Sciences

Digital support of self-learning phases with high quality materials

11/2024: Conference participation Lehre inspiriert 2024

Thema 9: Das Beste aus Moodle herausholen

Skills:

Microsoft Windows, Linux (Ubuntu), MS Office, VBA, Latex, SPSS, R (Statistics), C++, Java, Moodle, Typo3

Selected membership:

- Curriculum committee „Ernährungswissenschaften“
- Curricular working group „Lehramt Haushaltsökonomie und Ernährung“ NEU
- Campus & Sustainability Network; Lokaler und Zentraler Arbeitsschutzausschuss

List of funds raised:

- Universität Wien, “Laborerneuerung Lehre”: for acquisition and replacement about € 27.900, - (excl. Laborerneuerung 2022) acquired in recent years for the location Josef-Holaubek-Platz 2 (UZA II).
- Universität Wien, “Laborerneuerung Lehre 2022”: € 45.000, - for the initial set-up and establishment of the UE Biochemical Practise acquired at the new location Josef-Holaubek-Platz 2 (UZA II).
- Universität Wien, UNIVIE Teaching Award 2024: prize money of €3000, - was booked to the global budget instead of paid out privately.
- Universität Wien, “Investitionsvorhaben 2025 Humanernährung II”: € 71.662, - for the replacement of the isoperibol bomb calorimeter and Kjeldahl SpeedDigester with Scrubber acquired for the location Josef-Holaubek-Platz 2 (UZA II).

List of publications:

2017

Zöhrer, P. A., Mölzer, C., Wallner, M., Berry, D., & Wagner, K-H. (2017). Yellow Fellows: Is the gut microbiota changed in mild hyperbilirubinemia? *Ernährung aktuell*, 2017(4), 19-20.

2019

Unterberger, S., Fiornovelli, G., Franzke, B., Zöhrer, P. A., Draxler, A., Tschan, H., & Wagner, K-H. (2019). Effects of low or high amounts of dietary protein and resistance training on muscle quality of older adults: a randomized controlled trial. in V. Bunc, & E. Tsolakidis (Hrsg.), *24th Annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE*

2021

Zoehrer, P. A., Hana, C. A., Khoei, N. S., Molzer, C., Hoermann-Wallner, M., Tosevska, A., Doberer, D., Marculescu, R., Bulmer, A. C., Herbold, C. W., Berry, D., & Wagner, K-H. (2021). Gilbert's Syndrome and the Gut Microbiota - Insights From the Case-Control BILIHEALTH Study. *Frontiers in Cellular and Infection Microbiology*, 11, [701109]. <https://doi.org/10.3389/fcimb.2021.701109>

Hana, C. A., Tran, L. V., Mölzer, C., Müllner, E., Hörmann-Wallner, M., Franzke, B., Tosevska, A., Zöhrer, P. A., Doberer, D., Marculescu, R., Bulmer, A. C., Freisling, H., Moazzami, A. A., & Wagner, K. H. (2021). Serum metabolomics analysis reveals increased lipid catabolism in mildly hyperbilirubinemic Gilbert's syndrome individuals. *Metabolism: Clinical and Experimental*, 125, [154913].

<https://doi.org/10.1016/j.metabol.2021.154913>

Draxler, A., Franzke, B., Cortolezis, J. T., Gillies, N. A., Unterberger, S., Aschauer, R., Zoehrer, 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., Sjoedin, A. M., ... 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].

<https://doi.org/10.3390/nu13103479>

2022

Unterberger, S., Aschauer, R., Zöhrer, P. A., Draxler, A., Franzke, B., Strasser, E-M., Wagner, K-H., & Wessner, B. (2022). Effects of an increased habitual dietary protein intake followed by resistance training on fitness, muscle quality and body composition of seniors: a randomised controlled trial. *Clinical Nutrition*, 41(5), 1034-1045.

<https://doi.org/10.1016/j.clnu.2022.02.017>

Aschauer, R., Unterberger, S., Zöhrer, P. A., Draxler, A., Franzke, B., Strasser, E-M., Wagner, K-H., & Wessner, B. (2022). Effects of Vitamin D3 Supplementation and Resistance Training on 25-Hydroxyvitamin D Status and Functional Performance of Older Adults: A Randomized Placebo-Controlled Trial. *Nutrients*, 14(1), 1-14. [86].

<https://doi.org/10.3390/nu14010086>

Franzke, B., Bileck, A., Unterberger, S., Aschauer, R., Zoehrer, P. A., Draxler, A., Strasser, E-M., Wessner, B., Gerner, C., & Wagner, K-H. (2022). The plasma proteome is favorably modified by a high protein diet but not by additional resistance training in older adults: A 17-week randomized controlled trial. *Frontiers in Nutrition*, 9, [925450].

<https://doi.org/10.3389/fnut.2022.925450>

2023

Unterberger, S., Aschauer, R., Zöhrer, P. A., Draxler, A., Aschauer, M., Kager, B., Franzke, B., Strasser, E-M., Wagner, K-H., & Wessner, B. (2023). Association of Bioelectrical Impedance Phase Angle with Physical Performance and Nutrient Intake of Older Adults. *Nutrients*, 15(6), [1458]. <https://doi.org/10.3390/nu15061458>

Draxler, A., Franzke, B., Kelecevic, S., Maier, A., Pantic, J., Srienc, S., Cellnigg, K., Solomon, S-M., Zötsch, C., Aschauer, R., Unterberger, S., Zöhrer, P. A., Bragagna, L., Strasser, E-M., Wessner, B., & Wagner, K-H. (2023). The influence of vitamin D supplementation and strength training on health biomarkers and chromosomal damage in community-dwelling older adults. *Redox biology*, 61, [102640]. <https://doi.org/10.1016/j.redox.2023.102640>

Draxler, A., Franzke, B., Kelecevic, S., Maier, A., Pantic, J., Aschauer, R., Unterberger, S., Zöhrer, P. A., Bragagna, L., Wessner, B., & Wagner, K-H. (2023). The effect of vitamin D supplementation and strength training on chromosomal damage and oxidative stress markers in community-dwelling older adults. *Free Radical Biology and Medicine*, 201, 47. <https://doi.org/10.1016/j.freeradbiomed.2023.03.251>

2024

Phelps, C. M., Laughlin, C. R., Zhang, Y., Pandey, S. P., Willis, N. B., Rosen, A. B. I., Lee, A. H., Shapira, J. H., Randhawa, S. K., McPherson, A. C., Hedden, L., Bender, M. J., Nemet, I., Zöhrer, P. A., Gottschalk, R. A., Schmitz, K. H., Mullett, S. J., Gelhaus, S. L., Wagner, K-H., Winter, M. G., Winter, S. E., Hinterleitner, R., Mossington, T., Badger, J., Rodrigues, R. R., McCulloch, J. A., Das, J., Pierre, J. F., Trinchieri, G., & Meisel, M. (submitted). Exercise-induced microbiota vitamin B9 metabolite enhances CD8 T cell antitumor immunity promoting immunotherapy efficacy. *Cell*.