

Sabrina Zimmermann

Head of Management Unit

Institute of Molecular Biosciences
University of Graz

SCIENTIFIC & ACADEMIC CAREER

since 2017	Institutes Manager/Project Manager at the Institute of Molecular Biosciences, University of Graz, Austria
2016-2017	University assistant at the University of Graz, Austria
2016	Postdoctoral researcher at the Medical University of Graz
2014-2016	Postdoctoral researcher at the University of Graz, Austria
2014	Postdoctoral researcher, EMBO short term fellowship, Freie Universität Berlin
2010-2013	Ph.D. Thesis “„Mechanisms of health promoting autophagy””, University of Graz, Austria
2004-2010	Bachelor-and Master studies of Molecular Microbiology, University of Graz, Austria

RESEARCH

Between 2010 and 2016 Sabrina Zimmermann (née Schroeder) was a research fellow at the University of Graz and the Medical University of Graz, Austria, as well as an EMBO fellow at the Freie Universität Berlin, Germany. Her work focused on aging and related diseases, cell death and autophagy in yeast, flies and mice. She was also involved in a clinical trial, focusing on intermittent fasting in healthy humans (“InterFAST”). Part of her work has been published in renowned high-impact journals such as *Autophagy*, *Cell Metabolism*, *Nature Cell Biology*, and *Nature Medicine*.

MANAGEMENT

Sabrina Zimmermann completed the TIMEGATE Business and Management training program at the University of Graz and since 2017 works as institutes manager/project manager at the Institute of Molecular Biosciences of the University of Graz. As the assistant to the director of the institute, she is responsible for the organization of the institute's agendas. Main tasks include constant process optimization and controlling in the areas of internal personnel management, ordering and accounting, budget management, internal and external communication as well as event management. Furthermore, she is responsible for the coordination of large and individual projects, where an essential part of her current area of responsibility includes the acquisition of project funding (grant writing), the associated budget management and respective report activities. Since 2019, she is also the coordinator of the “field of excellence *BioHealth*” of the University of Graz, in this position she is also assistant to the speaker of the consortium.

10 MOST IMPORTANT PUBLICATIONS

1. [Schroeder S](#), Hofer SJ, Zimmermann A, [...], Madeo F (2021). Dietary spermidine improves cognitive function. **Cell Rep**.35(2):108985. doi: 10.1016/j.celrep.2021.108985.
2. Stekovic S, [...], [Schroeder S](#), [...] Madeo F (2020). Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. **Cell Metab**. 31(4):878-881. doi: 10.1016/j.cmet.2020.02.011.
3. Carmona-Gutierrez D, Zimmermann A, [...], [Schroeder S](#), [...], Madeo F (2019). The flavonoid 4,4'-dimethoxychalcone promotes autophagy-dependent longevity across species. **Nat Commun**. 10(1):651. doi: 10.1038/s41467-019-08555-w.

4. Eisenberg T, Abdellatif M, Schroeder S, [...], Madeo F (2016). Cardioprotection and lifespan extension by the natural polyamine spermidine. **Nat Med**. 22(12): 1428–1438. doi: 10.1038/nm.4222.
5. Mariño G, [...], Schroeder S, [...], Madeo F, and Kroemer G (2014). Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. **MolCell**. 53(5):710-25. doi: 10.1016/j.molcel.2014.01.016.
6. Eisenberg T, Schroeder S, Andryushkova A, [...], and Madeo F (2014). Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. **Cell Metab**. 19(3):431-44. doi: 10.1016/j.cmet.2014.02.010.
7. Gupta VK, [...], Schroeder S, [...], Madeo F, and Sigrist SJ (2013). Restoring polyamines protects from age-induced memory impairment in an autophagy-dependent manner. **Nat Neurosci**. 16(10): 1453–1460. doi: 10.1038/nn.3512.
8. Dengjel J, Hoyer-Hansen M, Nielsen MO, Eisenberg T, Harder LM, Schandorff S, Farkas T, Kirkegaard T, Becker AC, Schroeder S, Vanselow K, Lundberg E, Nielsen MM, Kristensen AR, Akimov V, Bunkenborg J, Madeo F, Jaattela M, and Andersen JS (2012). Identification of Autophagosome-associated Proteins and Regulators by Quantitative Proteomic Analysis and Genetic Screens. **Mol Cell Proteomics**. 11(3): M111.014035. doi: 10.1074/mcp.M111.014035.
9. Morselli E, Marino G, Bennetzen MV, Eisenberg T, Megalou E, Schroeder S, Cabrera S, Benit P, Rustin P, Criollo A, Kepp O, Galluzzi L, Shen S, Malik SA, Maiuri MC, Horio Y, Lopez-Otin C, Andersen JS, Tavernarakis N, Madeo F, and Kroemer G (2011). Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. **J Cell Biol**. 192(4): 615–629. doi: 10.1083/jcb.201008167.
10. Eisenberg T, [...], Schroeder S, [...], and Madeo F (2009). Induction of autophagy by spermidine promotes longevity. **Nat Cell Biol**. 11(11): 1305–1314. doi: 10.1038/ncb1975.