

Academic cv of Prof. Matthias J. Feige

PERSONAL INFORMATION

Family name, First name: **Feige, Matthias J.**
Researcher unique identifier(s): **ORCID 0000-0001-5435-4312**
Nationality: **German**
URL for web site: **<https://www.bio.nat.tum.de/cell/home/>**

EDUCATION

2006-2009 **PhD in Biochemistry**, Technical University of Munich, Department of Chemistry, Johannes Buchner lab, Munich, Germany; including research stays at the University of Leeds, UK (with Emanuele Paci) and the University of Toronto, Canada (with Alan Davidson).
Grade: 1.0 (*summa cum laude*)

2000-2005 **BSc and MSc in Biochemistry**, Technical University of Munich, Munich, Germany, and Swiss Federal Institute of Technology (ETHZ), Switzerland.
Grade: 1.0 (*passed with high distinction*)

1999-2000 **Studies in Biophysics**, Technical University of Munich, Munich, Germany.

CURRENT POSITION

2021-now **Tenure Track Associate Professor (W3)** at the Technical University of Munich, Department of Chemistry, Munich, Germany.

PREVIOUS POSITIONS

2015-2021 **Rudolf Mößbauer Tenure Track Assistant Professor (W2)** at the Technical University of Munich Institute for Advanced Study and Department of Chemistry, Munich, Germany.

2010-2015 **Postdoctoral Research Fellow**, St. Jude Children's Research Hospital, Department of Tumor Cell Biology, Linda Hendershot lab, Memphis/TN, USA.

AWARDS

2022 **European Research Council (ERC)**, ERC Consolidator Grant.

2021 **Rainer Rudolph Foundation**, Rainer-Rudolph-Lecture on occasion of the 10th anniversary of the foundation (awarded to one candidate among all former 30 winners of the Rainer Rudolph Award).

2019 **German Bioregions**, Innovation Prize of the German Bioregions 2019 (for the most innovative Bio-patent of the last year in Germany).

2019 **German Biotech Days 2019**, Audience Award of the German Biotech Days 2019 (for the best presentation on innovative approaches in biomedicine).

2016 **Daimler and Benz Foundation**, Fellow of the Daimler and Benz Foundation (for young PIs).

2012 **Rainer Rudolph Foundation**, Rainer Rudolph Award (for the achievements of young researchers in the field of protein biochemistry).

2011 **Management Engineers**, Management Engineers Presidential Award (for groundbreaking research with a potential impact on future applications).

- 2010 **Hans Fischer Society**, Hans Fischer Award (for outstanding research accomplishments in chemistry and biochemistry).
- 2010 **TUM graduate school**, PhD Award (for an excellent PhD thesis performed at the TUM).
- 2005 **Jürgen Manchot Foundation**, Jürgen Manchot Award (annually awarded for the best MSc in biochemistry at the TUM).

FELLOWSHIPS

- 2011-2014 **German National Academy of Sciences, Leopoldina**, postdoctoral fellowship.
- 2010-2011 **Paul Barrett Endowed Fellowship of St. Jude Children's Research Hospital**, postdoctoral fellowship.
- 2006-2009 **German Academic Scholarship Foundation**, PhD fellowship.
- 2003-2005 **German Academic Scholarship Foundation**, undergraduate fellowship.

FIVE SELECTED SCIENTIFIC PUBLICATIONS

Human interleukin-12 α and EBI3 are cytokines with anti-inflammatory functions.

Hildenbrand K, Bohnacker S, Menon PR, Kerle A, Prodjintho UF, Hartung F, Strasser PC, Catici DAM, Rührnößl F, Haslbeck M, Schumann K, Müller SI, da Costa CP, Esser-von Bieren J, **Feige MJ**.

Sci Adv. 2023 Oct 27;9(43):eadg6874.

The human signal peptidase complex acts as a quality control enzyme for membrane proteins.

Zanotti A, Coelho JPL, Kaylani D, Singh G, Tauber M, Hitzenberger M, Avci D, Zacharias M, Russell RB, Lemberg MK, **Feige MJ**.

Science. 2022 Dec 2;378(6623):996-1000.

The molecular basis of chaperone-mediated interleukin 23 assembly control.

Meier S, Bohnacker S, Klose CJ, Lopez A, Choe CA, Schmid PWN, Bloemeke N, Rührnößl F, Haslbeck M, Bieren JE, Sattler M, Huang PS, **Feige MJ**.

Nat Commun. 2019 Sep 11;10(1):4121.

A folding switch regulates interleukin 27 biogenesis and secretion of its α -subunit as a cytokine.

Müller SI, Friedl A, Aschenbrenner I, Esser-von Bieren J, Zacharias M, Devergne O, **Feige MJ**.

Proc Natl Acad Sci U S A. 2019 Jan 29;116(5):1585-1590.

An unfolded CH1 domain controls the assembly and secretion of IgG antibodies.

Feige MJ, Groscurth S, Marcinowski M, Shimizu Y, Kessler H, Hendershot LM, Buchner J.

Mol Cell. 2009 Jun 12;34(5):569-79.

SELECTED PATENT APPLICATIONS

Müller S, **Feige MJ**

Secretion-competent muteins of the human IL27 alpha subunit.

International Patent App. PCT/EP2018/061561.

Buchner J, **Feige MJ**, Ambrosius D, Enenkel B
Method for optimizing proteins having the folding pattern of immunoglobulin.
US Patent App. 13/000,700. In collaboration with Boehringer Ingelheim

FIVE SELECTED INVITED SCIENTIFIC PRESENTATIONS (CONFERENCES)

FASEB Science Research Conferences: The Endoplasmic Reticulum (ER) Conference: Structure Function and Disease, USA; Jun 2025.

Festival of Biologics, Basel/Switzerland; Oct 2023

EMBO Workshop: Endoplasmic reticulum function in health and disease, Il Ciocco/Italy; Oct 2022.

EMBO Workshop: New challenges in protein translocation across membranes, Sant Feliu de Guixols, Spain; Sep 2022.

FASEB Science Research Conferences: Functional disulfide bonds in health and disease, Leesburg/USA; Jun 2018.

ORGANISATION OF SCIENTIFIC MEETINGS

- 2024 **EMBO Workshop: Endoplasmic reticulum function in health and disease, Il Ciocco/Italy** (the largest cell biological conference on the ER in Europe), ca. 250 participants expected, *main organizer*.
- 2023 **German Society for Biochemistry and Molecular Biology (GBM) Mosbacher Kolloquium on Immune Engineering, Mosbach/Germany** (one of the largest international biochemical/cell biological conferences in Germany), ca. 400 participants expected, *main organizer*.
- 2021 **Susan Lindquist School on Proteostasis**, virtual (school for PhD students/Postdocs in the field of proteostasis; funded by FEBS/EMBO), ca. 80 participants incl. tutors, *co-organizer*.
- 2019 **14th ER and Redox Club meeting, Herrsching/Germany** (International Conference, funded by the Fritz-Thyssen foundation), ca. 80 participants, *main organizer*.
- 2018 **1st Autumn School on Proteostasis, Split/Croatia** (school for PhD students/Postdocs in the field of proteostasis; funded by CSSI, GBM and industrial sponsors), ca. 60 participants incl. tutors, *co-organizer*.
- 2017 **GBM Young Investigators at Industry meeting, Biberach/Germany** (meeting for young PIs to establish academia-industry contacts, in collaboration with Boehringer Ingelheim; funded by GBM and Boehringer Ingelheim), ca. 30 participants, *main organizer*.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2023-now **The Protein Society.**
- 2017-now **International Cytokine and Interferon Society.**
- 2015-now **German Society of Biochemistry and Molecular Biology (GBM).**

2015 **Founding Member of the GBM Young Investigators.**
2010-now **Hans Fischer Society.**