# Dr. Marco Y. Hein

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My fundamental research question is understanding **the principles of the organization of life** at the molecular level. My goal is to design systems-level experiments that yield systems-level insight. Specifically, my team will study **the interactions of viruses with their hosts**, focusing on what happens in a host cell once it is infected with a virus.

We use **modern methods** of mass spectrometry-based proteomics, CRISPR/Cas9-based functional genomics, single-cell transcriptomics, computational biology and data visualization.

I aspire to lead a **diverse, cross-disciplinary team**, which will be a nurturing environment where my mentees thrive and reach their full potential.

## Current Position

11/2022 – *Assistant Professor* & *Group Leader*
Max Perutz Labs & Medical University of Vienna, Austria

## Research Experience

07/2020 – 11/2022 *Fellow*, Infectious Disease & Quantitative Cell Science Initiatives
Chan Zuckerberg Biohub, San Francisco, CA, USA.

04/2015 – 06/2020 *Postdoc*, Jonathan S. Weissman lab
University of California, San Francisco & Howard Hughes Medical Institute, San Francisco, CA, USA.

05/2009 – 04/2015 *PhD student*, Matthias Mann lab
Max Planck Institute of Biochemistry, Martinsried, Germany

## Education

02/2010 – 09/2014 Ludwig-Maximilians-Universität Munich, Germany
PhD in biochemistry (Dr. rer. nat), *summa cum laude*
PhD thesis 'A human interactome'

10/2004 – 01/2010 Eberhard-Karls-Universität Tübingen, Germany
Undergraduate studies in biochemistry (Dipl. Biochem.)
Master's thesis 'Quantitative proteomic analysis of endothelial cells during capillary morphogenesis'

## Fellowships & Awards

2016 – 2017 European Molecular Biology Organization (EMBO)
long-term postdoctoral fellowship

2005 – 2009 German National Academic Foundation (Studienstiftung des deutschen Volkes)
undergraduate fellowship

## Professional activities

2019 – present Member, Society for Virology (Gesellschaft für Virologie, GfV)

2012 – present ad-hoc reviewer for *Analytical Chemistry, Journal of Biomolecular Techniques, eLife, Molecular & Cellular Proteomics, Nature Communications, Nature Genetics, Journal of Visualized Experiments (JoVE)*

## Publications

Browse the full list of publications on Google Scholar.