Personal Details

Date of Birth: **Place of Birth:** **Nationality:** **Academic Degrees:**	Oct 29, 1979 Würzburg, Germany German Dr. rer. nat., Dipl.-Phys.
Current Position:	Professor for Quantitative Modelling of Biological Networks Joint appointment at the Max Perutz Labs & Faculty of Mathematics of the University of Vienna, Austria
Contact:	Max Perutz Labs University of Vienna Campus Vienna Biocenter 5 A-1030Vienna, Austria E-mail: joerg.menche@univie.ac.at Web: www.menchelab.com
Research Identifiers:	• Orcid ID: 0000-0002-1583-6404 • Researcher ID: G-3994-2015 • Google scholar: https://tinyurl.com/jmenche-pubs

Research Keywords

Network medicine | Network biology | Systems biology | Computational biology | Complex systems
Rare diseases | Drug-drug interactions | Gene-drug interactions | Virtual Reality data visualization

Scientific Education and Career History

2020 – present	Professor at the *University of Vienna*, joined appointment at the *Max Perutz Labs* (center for molecular biology) and the *Faculty of Mathematics.*
2020 – present	Adjunct Principal Investigator at the *CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences* in Vienna, Austria.
2017 – present	Associate faculty member of the *Complexity Science Hub Vienna*, Austria.
2015 – 2020	Principal Investigator at *CeMM* in Vienna, Austria.
2013 – 2015	Postdoctoral fellow at the *Central European University* in Budapest, Hungary.
2010 – 2012	Affiliated member of the Center for *Cancer Systems Biology*, *Dana Farber Cancer Institute*, *Harvard Medical School*, Boston, USA.
2010 – 2012	Postdoctoral fellow at the *Center for Complex Network Research*, *Northeastern University*, Boston, USA.
2006 – 2010	PhD in theoretical physics at the *Max-Planck-Institute of Colloids and Interfaces* (MPIKG) and the *University of Potsdam*, Germany.
1999 – 2005	Studies of physics at the *University of Leipzig* (Germany), the *Federal University of Pernambuco* (UFPE) in Recife (Brazil) and the *Humboldt University of Berlin* (Germany).

Academic Achievements and Activities

Scientific Output: 3387 citations; H-index=19 (August 2020)	• Scientific articles: 50 • Book chapters: 3 • Patent applications: 4 • Invited presentations: >70 • Other publications: 3 contributions to art exhibitions and festivals
Research Grants: >2M EUR in total; from Austrian and European funding agencies**.**	• Vienna Science and Technology Fund (WWTF) Career Grant: 1.6M EUR; 2016-2024; Topic: Network Medicine — An interactome-based approach to rare diseases. • WWTF Life Sciences Grant: 166k EUR; 2017-2020; Topic: Systems precision medicine of inborn errors of the immune system • Horizon2020 Innovative Training Network: 264k EUR; 2019-2024; Topic: Network-approaches to diseases associated with early development. • WWTF NEXT Proof of concept grant: 86k EUR; 2019-2020; Topic: Virtual Reality (VR) data analysis platform. • EPIC MegaGrant: 100k USD; 2020; Topic: Virtual Reality (VR) platform development.
Fellowships & Awards:	• Full member of the Wolfgang Pauli Institute Vienna • Selected as Future Innovator at the Ars Electronica Festival, Linz, 2019 • Best PhD thesis of the year 2010, awarded by the Association of Friends of Colloids and Interface Research (FKGF). • Full personal scholarship awarded by the DAAD (German academic exchange service) for one year undergraduate studies in Brazil.
Membership in Scientific Societies:	• Member of the International Network Medicine Steering Committee • International Society for Computational Biology (ISCB) • Complex Systems Society (CSS) • European Association of Systems Medicine (EASYM) • Austrian Bioinformatics Platform (ATBI) • Austrian Platform for Personalized Medicine (OEPPM)
Academic Spin-offs:	• Co-founder of *Scipher Medicine* (2013), a company providing network-medicine tools to predict personalized drug response: www.sciphermedicine.com • Co-founder of *ElectricAntLab* (2011), a company developing high-performance-computing applications for complex fluids simulations: www.electricant.com
Public Outreach:	• Contributions to the Long Night of Research events. • Public presentations for a broad audience (e.g., TEDx, Pint of Science). • Contributions to art exhibitions and festivals (Vienna, Linz, Munich).

Vienna, August 21, 2020

Jörg Menche