MONIKA FUXREITER

Residency: Italy
Citizenship: Hungary
Lab homepage: https://fuxreiterlab.github.io
ORCID: 0000-0002-4463-6727

EDUCATION, DEGREES

1993	MSc, Chemistry, Eötvös University, Budapest, Hungary
1996	PhD, Chemistry, Eötvös University, Budapest, Hungary
1996-1997	Postdoctoral scientist, University of Southern California
1997-1998	Postdoctoral scientist, Rutgers University, New Brunswick, New Jersey
1998-2000	Postdoctoral scientist, Mount Sinai School of Medicine, New York, New York
2013	DSc, Biology, Hungarian Academy of Sciences

POSITION

2020-present	Full Professor of Biochemistry, Department of Biomedical Sciences
2020-present	Full Professor, Department of Physics and Astronomy, University of Padova, Italy
2012-2020	Professor of Biochemistry, Medical Faculty, University of Debrecen, Hungary
2011-2012	EMBO fellow, Laboratory of Molecular Biology, MRC, Cambridge, UK
2011-2011	Visiting scientist, University of Cambridge, Cambridge, UK
2010-2011	Visiting scientist, Weizmann Institute, Rehovot, Israel
2000-2010	Senior scientist, Institute of Enzymology, Hungarian Academy of Sciences, Budapest, Hungary

PROFESSIONAL EXPERTISE

2017-present	Editorial Board Member, Journal of Molecular Biology
2017-2022	Editorial Board Member, Biophysical Journal
2019-	DFG Mercator Fellow, Advisory Board member RTG2467, Germany
2016	Chair, Gordon Conference on Intrinsically Disordered Proteins
2009	Chair, MCRTN conference on DNA enzymes
2024-	Member of Biophysical Society (also 2005-2015)

HONORS

2022	Lipmann lecture of the German Society for Biochemistry and Molecular Biology
2012	Momentum Award (Hungarian Academy of Sciences)
2011	EMBO fellowship
2009	"Woman for Science" (L'Oreal-Unesco)
2009	Bolyai Gold medal
2004	New England Biolabs award
2003	Young Scientist Award (Hungarian Academy of Sciences)
1998	Bio-Science award
1993	Pro Scientia Laureate (for undergraduate research)

REVIEW ACTIVITY

Review activity over 50 journals and 30 funding bodies and institutions. Selected list is provided below

Journals. *Science, Nature, Cell, Nature Cell Biology, Nature Communications, Nature Chemistry, Nature Structural and Molecular Biology, Mol. Cell., Trends in Cell Biology, Trends in Biochemical Sciences, Nucleic Acids Res, Journal of American Chemical Soc., Angewandte Chemie, Biochemistry, Biochimica et Biophysica Acta, Biochem J., BMC Bioinformatics, Bioinformatics, Biophys. J., Cell, Cell Communication and Signaling, Cell. Mol. Life Sci., FEBS Lett., J. Comp. Chem, J. Mol. Biol., J. Phys. Chem., Molecular Biosystems, Molecular Omics, PloS Computational Biology, PloS One*

Funding agencies. *ERC, NIH, ANR, NSF, HFSP, EMBO, MRC, BBSRC, FWO, US-Israel BSF and government based funding schemes world-wide (Singapur, New Zealand, Canada etc)*

Institutions. *Vrije Universiteit Brussel, Universitat Barcelona, Hebrew University, University of Toronto, University of Southern Florida, Institute for Research in Biomolecular Medicine, Barcelona, Michigan State University, Indian Academy of Sciences*

Translating research into education HSTalks on Protein Folding, Aggregation and Design: *Fuzzy Protein Theory* https://hstalks.com/t/3475/fuzzy-protein-theory-for-disordered-proteins/?biosci (accredited for higher medical education in the USA)

TEACHING ACTIVITIES

Permanent, full courses (60-120 lessons/academic year) *Biochemistry, Molecular Biology, Computational biophysics, Metabolism*

Contributions to courses (5-20 lessons/academic year) *Structural biology, Systems Biology, Intrinsically Disordered Proteins, Protein Interactions, Enzymatic catalysis*

SUPERVISION

5 post-doc, 5 PhD theses, 3 PhD co-supervision, 11 MSc theses, 3 BSc theses, 6 research student project

MAJOR COLLABORATIONS:

Michele Vendruscolo (*Centre for MisFolding Diseases, Cambridge UK*)
GianCarlo Ruocco (*IIT, Sapienza University*, *Rome*)
Serena Carra (*University of Modena*)
Jason D Shepherd (*University of Utah, US*)
Gerhard Hummer, (*MPI Biophysics Frankfurt*)

ORAL PRESENTATIONS:

120 invited lectures and seminars, including keynote lectures Gordon Research Conference, Protein Society, FASEB, FEBS, EBSA etc. (full list provided in separate file). The Biophysical Society has organised two symposia on the topic of fuzziness: “Fuzzy Complexes” (2023); “Fuzzy interactions and crowding” (2020). Selected, recent lectures: LMB MRC Cambridge (UK), Harvard University, Cornell University, EMBO/EMBL, EBSA, Protein Society, German Society of Biochemistry and Molecular Biology, Swedish Chemical Society