

MILOS FILIPOVIC

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EDUCATION

- Dr. habil. (habilitation in biological chemistry; equivalent to the tenure evaluation),
Friedrich-Alexander University Erlangen-Nuremberg (FAU), Germany **2017**
- PhD in biochemistry (supervised by Prof. Vesna Niketic), Department of Biochemistry,
University of Belgrade, Serbia **2008**
- Diploma in biochemistry (equivalent to MSc), Department of Biochemistry,
University of Belgrade, Serbia **2004**

CURRENT POSITION

- Group leader at Leibniz Institute for Analytical Sciences, ISAS, e.V. **2020**

PREVIOUS POSITIONS

- Director of research, DR2, at CNRS **2019**
- Tenured position, CR1, at CNRS as CR1
(ranked first in Section 20, Biologie moléculaire et structurale, biochimie) **2016**
- Group leader (group: Signalling by gasotransmitters), IBGC CNRS UMR 5095, Bordeaux **2016**
- Guest lecturer at FAU Erlangen-Nuremberg **2016 – 2020**
- Group leader/habilitand (equivalent to assistant professor),
Department of Chemistry and Pharmacy, FAU Erlangen-Nuremberg, Germany **2012 – 2015**
- Postdoctoral fellow, Chair for Bioinorganic Chemistry (Prof. Ivana Ivanovic-Burmazovic),
Department of Chemistry and Pharmacy, FAU Erlangen-Nuremberg, Germany **2009 – 2012**

FELLOWSHIPS AND HONORS

- ERC Consolidator Grant **2019**
- Emmy Noether prize (the best habilitation thesis), FAU Erlangen-Nuremberg **2018**

ATIP Avenir	2015
I dex Junior Chair, University of Bordeaux	2015
Poster prize, Gordon Research Conference: Nitric oxide, Ventura	2013
FEBS Collaborative fellowship for research at L'Ecole Normale Superieure, Paris	2008
Poster prize, Free Radical Summer School, Spetses, Greece	2006
Harden bursary to attend 62nd Harden conference/EMBO workshop, Cirencester, UK	2006
Travel award, Annual meeting of the Federation of European Physiological Societies, 26-29 March	2006
Award from the University of Belgrade, the best student	2006
Annual award of Serbian Chemical Society	2006
Young Physiologist Award, Young Physiologist Symposium and Free Radical School, Birmingham	2005
Award "Djordje Stefanovic", the best graduating student at the Department of Biochemistry	2005
Kostic Foundation Award for the best diploma thesis in Serbia	2005

OTHER SCIENTIFIC ENGAGEMENTS

FEBS fellow at L'Ecole Normale Superieure Paris (Professor Christian Amatore), France, October-December	2008
Research fellow at FAU Erlangen-Nuremberg (Professor Ivana Ivanovic-Burmazovic), Germany, March	2007
Research fellow at the University of Essex (Professor Chris Cooper), UK, February	2007
Research fellow at FAU Erlangen-Nuremberg (Professor Ivana Ivanovic-Burmazovic), Germany, October-December	2006
FEBS and SFRR-Europe summer school, Spetses, Greece	2006
FEBS and SFRR-Europe summer school, Spetses, Greece	2004
Summer research fellow at the University of Iowa (Professor Garry Buettner), USA, July-September	2003

ORGANISATION OF SCIENTIFIC MEETINGS

Session Chair/Discussion leader, GRC Thiol-Based Redox Regulation and Signaling Conference	2018
Session Chair, EMBO Conference on Redox Biology, Moscow - St. Petersburg	2017
Co-organizer, Redox Modulation of Health and Disease:	

PROFESSIONAL SERVICE

Journal Reviewer: Nat Comm; PNAS USA, Sci Adv; Sci Signal; Cell Reports; Mol Plant; Trends Biochem Sci; Trends Pharm Sci; Acc Chem Res; Angew Chem Int Ed; J Am Chem Soc; Chem Sci; ACS Central Science; ACS Chem Biol; Cell Chem Biol; J Biol Chem; Inorganic Chemistry; Free Radic Biol Med; Redox Biol; J Med Chem; Eur J Med Chem; Br J Pharmacol; Biochem Pharmacol; Antioxid Redox Signal; Antioxidants; Molecules; Biochemistry; J Exp Bot; FASEB J; Nitric Oxide; Acta Physiologica; Arch Biochem Biophys; Cell Mol Neurobiol; PLOS One; Dalton Transactions; ChemComm; Neurosci; Commun Biol; Commun Chem;

Guest Editor of special issue of Frontiers in Aging Neuroscience: <https://www.frontiersin.org/research-topics/9931/molecular-mechanisms-of-thiol-based-redox-homeostasis-and-signaling-in-the-brain>

External Grant Reviewer: NSF (USA)-ISF (Israel) bilateral grant; Israel Science Foundation, Israel; National Science Center, Poland; Natural Sciences and Engineering Research Council of Canada (NSERC); Dr Hadwen Trust, UK, MRC UK

TEACHING ACTIVITIES

(Bio)Chemistry of Oxidative Stress, FAU Erlangen-Nuremberg, Germany	2010 – 2020
Chemistry of Life: Chemistry of Biomolecules and Cellular Functions, Experimental Techniques and Selected Topics in Chemical Biology of Diseases, Cell Signaling and Chemistry of Oxidative Stress, FAU Erlangen-Nuremberg, Germany	2013 – 2020
Guest lecturer (supported by WUS-Austria Brain Gain program), Department of Physiology, University of Belgrade, Serbia	2010

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2 diploma students, 5 master students and 2 PhD students (co-supervision), Department of Chemistry and Pharmacy, FAU Erlangen-Nuremberg, Germany	2009 – 2018
3 postdoctoral fellows, 1 PhD student, 3 MSc, IBGC	2016 – 2020
2 postdoctoral fellow, 2 PhD student	2020-

INVITED LECTURES AND ORAL PRESENTATIONS

1. University of Jena, "ProMoAge" RTG, June 18, 2021
2. SFRR-Europe Annual Meeting, Belgrade, Serbia, June 15-18, 2021
3. Gesellschaft für Biochemie und Molekularbiologie e.V., March 17, 2021
4. Israel Society for Oxygen and Free Radical Research, ISOFRR 2021, February 17-18, 2021
5. EMBO workshop: Thiol-based switches and redox regulation - from microbes to men, Spain, 2019
6. T. H Chan Harvard Medical School, January 24, 2019
7. GRC Nitric Oxide, Ventura, CA, USA, February 3-8, 2019
8. VIII Conference of the Serbian Biochemical Society, November 16, Novi Sad, Serbia
9. Neuroscience 2018, Annual Meeting of Society for Neuroscience, November 3-7, San Diego, CA, USA

10. Aging, Metabolism, Pathogenesis, Stress, and Small RNAs in *C. elegans*, University of Wisconsin, Madison, USA, June 28-July 1, 2018
11. University of Maryland, Baltimore, USA, November 30, 2017
12. KU Leuven, Belgium, November 13, 2017
13. S-Bio 2017, Conference on Plant & Human Sulfur Biology, Blatonfuered, Hungary, September 10-14, 2017
14. EMBO Conference on Redox Biology, co-sponsored by RFBR, Moscow - St. Petersburg, 16-23 July, 2017
15. International Workshop on „Bioinorganic Redox Control – Implications for Medicinal Chemistry and Environmental Protection”, Krakow, Poland, April 20-21, 2017
16. University of Cologne, Department of Chemistry and Institute of Biochemistry, Department of Chemistry & Center for Molecular Medicine, October 26, 2016
17. Chemical Biology approaches to assessing and modulating mitochondria, The Royal Society of Chemistry at Chicheley Hall, Buckinghamshire, UK, September 26-27, 2016
18. Gordon Research Conference, Thiol-based redox regulation & signaling, Stoweflake Conference Center, Stowe, USA, August 7-12, 2016
19. Gordon Research Conference, Metals in Medicine, Proctor Academy, Andover, USA, June 26-July 1, 2016
20. 251st American Chemical Society National Meeting & Exposition, San Diego, USA, March 13-17, 2016
21. German Physiological Society Meeting, Luebeck, Germany, March 3-5, 2016
22. University of Bordeaux, IBGC CNRS UMR5095, October 13, 2015
23. University of Cambridge, MRC Mitochondrial Biology Unit, September 23, 2015
24. 3rd European conference on the biology of H₂S, Athens, Greece, May 2-4, 2015
25. Uppsala University, Sci Life lab, Sweden, March 5, 2015
26. University of Nottingham, The School of Chemistry, UK, November 2, 2014
27. University of Essex, The School of Biological Sciences, UK, November 6, 2014
28. IBISS, University of Belgrade, December 26, 2014
29. International Conference on Porphyrins and Phthalocyanines, ICPP-2014, Istanbul, Turkey, June 22-27, 2014
30. Institute of Cellular Biochemistry and Genetics, Bordeaux, France, June 16, 2014
31. Capo Peloro Resort, Third annual meeting of European Network for Gasotransmitters, COST, May 1-2, 2014
32. Hong Kong University, February 25, 2014
33. Marquette University, USA, November 14, 2013
34. Brown University, USA, November 12, 2013
35. IRTG1422/EFI-MRIC workshop, Homberg (Hülsa), Germany, May 23, 2013
36. Redox Modulation of Health and Disease: From Inorganic Chemistry to Translational Medicine, Erlangen, July 20-22, 2013
37. 2nd European conference on the biology of H₂S, Exeter, UK, September 8-11, 2013
38. Gordon Research Conference: Thiol-Based Redox Regulation & Signaling, July 29 - August 3, 2012
39. Gordon Research Conference: Nitric Oxide, February 13-18, 2011
40. Max-Planck Institute for Bioinorganic Chemistry, Muelheim, Germany, February 8, 2011
41. International Symposium: 100 years of Ivan Djaja's Belgrade School of physiology: September 10-14, 2010
42. University of Belgrade, Serbian Chemical Society, April 12, 2010
43. University of Bordeaux I, Institute for Molecular Science, May 21, 2010.
44. XII Colloque du GFB, Lacanau, France, May 17-20, 2010

RESEARCH FUNDING

On-going and completed grants

Project Title	Funding source	Amount	Period	Role
Medicinal Redox Inorganic Chemistry	FAU Erlangen-Nuremberg, Emerging Field Initiative	1 350 000 €	January 2012-December 2014	Co-PI
Bilateral Cooperative Research Grant: Serbia-Germany	DAAD-Serbian Ministry of Science	~20 000 €	January 2012-December 2013	PI of German side
Mining the cellular S-sulfhydration proteome	ATIP-Avenir, CNRS/INSERM	295 000 €	January 2016-December 2018	PI
Unraveling H ₂ S signaling	Idex, Junior Chair	214 000 €	January 2016-December 2018	PI
Role of protein persulfidation in health and disease	FRM	378 300 €	October 2018-September 2021	PI
Decoding protein persulfidation signaling SULFAGING	ERC Consolidator Grant	1 999 905 €	2020-2025	PI
The role of zinc fingers in H ₂ S signaling	NIH R01 grant	99 704 \$	2020-2024	Co-PI

COLLABORATIONS

Kate Carroll, The Scripps Research Institute, Jupiter Florida

Solomon Snyder and Bindu Paul, Johns Hopkins University

Mike Murphy, MRC Mitochondrial Biology Unit, Cambridge

Keith Blackwell, Harvard University

Sarah Michel, University of Maryland, Baltimore

Mathew Whiteman, University of Exeter

Michel Toledano, CEA, Paris

Peter Zygmunt, Lund University

Ivana Ivanovic-Burmazovic, LMU Munich

Guenter Schwartz, University of Cologne

Joshua Korzenik, Brigham and Women's Hospital, Boston