

Curriculum Vitae

■ Personal

Name Priv.-Doz. Dr. Sandra Marianne Lang
Date of birth 21.03.1981
Nationality German



■ Education and Scientific Career

since 04/2018 Akademische Rätin, Ulm University

10/2017 – 03/2018 Visiting Faculty at the Georgia Institute of Technology, Atlanta, USA (with Prof. Uzi Landman)

04/2016 – 09/2017 Professor for Chemical Engineering (Vertretungsprofessur, temporary position), Ulm University

04/2017 Habilitation
Habilitation Thesis: *“Modelling the Active Centers of Biocatalysts in the Gas Phase”*

03/2011 – 03/2016 Scholar of the “Margarete von Wrangell-Habilitationsprogramm für Frauen” and project leader at the Institute of Surface Chemistry and Catalysis, Ulm University

4/2010 – 3/2011 Post-Doctoral Scholar, Departement Natuurkunde en Sterrenkunde, Katholieke Universiteit Leuven, Belgium with Prof. Peter Lievens

07/2009 – 03/2010 Post-Doctoral Fellow, Institute of Surface Chemistry and Catalysis, Ulm University with Prof. Thorsten M. Bernhardt

12/2004 – 07/2009 Doctoral Thesis at the Institute of Experimental Physics, Free University Berlin (2004 - 2006, Prof. Ludger Wöste) and the Institute of Surface Chemistry and Catalysis, Ulm University (2006 - 2009, Prof. Thorsten M. Bernhardt, change of the university due to the appointment of Prof. Bernhardt in Ulm)
Doctoral Thesis: *“Reactions of Cationic Gold Clusters in a Radio Frequency Ion Trap under Multi-Collision Conditions: Coadsorption Phenomena and Activation of Molecular Oxygen and Methane”*
Grade: Magna cum laude (1.0)

08/2003 – 08/2004 Master of Arts (Physics), University of Texas at Austin, USA with Prof. John W. Keto
Grade: 1.2 (3.8 GPA)

10/2000 – 7/2003 Studies of Physics at the Julius-Maximilians-Universität Würzburg

■ Scholarships, Awards, and Certificates

2019	Wissenschaftspreis der Stadt Ulm (Science Award of the City of Ulm)
2016	Feodor-Lynen Scholarship of the Humboldt Foundation (for research stay at the Georgia Institute of Technology, Atlanta, USA 10/2017-03/2018)
10/2014	Baden-Württemberg Zertifikat für Hochschuldidaktik (teaching certificate)
12/2011	Forschungsbonus of the Ulm University and the Ulmer Universitätsgesellschaft (start-up funding for young scientists)
03/2011 – 03/2016	Margarete von Wrangell-Habilitationsprogramm für Frauen (temporary position)
04/2010 – 03/2011	Visiting Postdoctoral Fellowship of the Research Foundation Flanders
04/2005 – 03/2007	Kekulé Doctoral Scholarship of the Stiftung Stipendienfonds im Verband der Chemischen Industrie
08/2003 – 05/2004	DAAD Scholarship for the studies at the University of Texas at Austin

■ International Experiences and Research Stays

10/2017 – 03/2018	Georgia Institute of Technology, Atlanta, USA, visiting faculty
09/2016	Technical University Berlin; visiting scientist of UniCat (Cluster of excellence “Unifying concepts in catalysis”, invited by Prof. Helmut Schwarz)
03/2015	The University of Tokyo, Japan; visiting scientist (invited by Prof. Fumitaka Mafuné)
2014 - 2018	Radboud Universiteit Nijmegen, The Netherlands; visiting scientist (joined projects)
04/2010 - 03/2011	Katholieke Universiteit Leuven, Belgien; visiting Postdoctoral Fellow of the Research Foundation Flanders
07/2003 – 08/2004	University of Texas at Austin, USA; master student and graduate research assistant

■ Other Activities

User representative in Laserlab Europe

Co-organizer of the conference “International Symposium on Small Particles and Inorganic Clusters – ISSPIC” 2022 in Berlin

Guest Editor, “Zeitschrift für Physikalische Chemie”, Special Issue “Gas Phase Model Systems for Catalysis”, Volume 233, Issue 6 (2019)

Co-organizer of the conferences “Gas Phase Model Systems for Catalysis – GPMC 2014” and “Gas Phase Model Systems for Catalysis – GPMC 2018” in Ulm (www.uni-ulm.de/nawi/gpmc/)

Member of the editorial board of the “Zeitschrift für Physikalische Chemie - International journal of research in physical chemistry and chemical physics”

Member of the Deutsche Physikalische Gesellschaft (DPG) and the Deutsche Bunsengesellschaft für Physikalische Chemie (DBG)