

Curriculum Vitae

Personal Details

Name	Kathrin Ulrich, née Diederich
Email	kathrin.ulrich@bzh.uni-heidelberg.de
Date of birth	February 24, 1987
Place of birth	Rostock, Germany

Education

Oct 2012 – Apr 2017	PhD in Bioscience at Heidelberg University Biochemistry Center, Dr. rer. nat. (summa cum laude)
Oct 2010 – Oct 2011	International exchange student at Kyoto University, Japan
Oct 2009 – Aug 2012	Master Molecular Bioscience at Heidelberg University, M. Sc. (1.1)
Oct 2006 – Jun 2009	Bachelor Molecular Cell Biology at Heidelberg University, B. Sc. (1.4)
Aug 1998 – Jul 2006	High school graduation at Gymnasium Reutershagen in Rostock, Abitur (1.0)

Practical Experiences

Nov 2016 – Dec 2016	Research internship in the lab of U. Jacob, Department of Molecular, Cellular and Developmental Biology, University of Michigan, MI, United States
Oct 2012 – Apr 2017	PhD thesis at Heidelberg University Biochemistry Center: “Stress-induced protein S-thiolation in African trypanosomes – quantitative redox proteome and thiol analyses”
Mar 2012 – Aug 2012	Master thesis in the Department of Molecular Virology, Heidelberg University: “The ER potassium channel KCNK6 is a dependency factor for HCV replication”
Oct 2011 – Mar 2012	Research internship in the lab of R. Bartenschlager, Department of Molecular Virology, Heidelberg University
Oct 2010 – Sept 2011	Research internship in the lab of M. Matsuoka, Institute for Virus Research, Kyoto University, Japan
Aug 2010 – Sep 2010	Practical training in the Division of Tumor Virology at the German Cancer Research Center, Heidelberg
Mar 2010 – Apr 2010	Practical training in the Department of Virology, Heidelberg University
Jun 2009 – Jan 2010	Student assistant at Heidelberg University Biochemistry Center

Mar 2009 – Jun 2009 Bachelor thesis at Heidelberg University Biochemistry Center:
“Generation of recombinant C79A Glutathionylspermidine synthetase from *Crithidia fasciculata* for the preparative enzymatic synthesis of glutathionylspermidine”

Oct 2007 – Feb 2008 Students assistant and supervisor for the practical course
“Basics of cellular biology” at Heidelberg University

Social activities

Jun 2016 Coordinator of the annual meeting of the Heidelberg University Biochemistry Center 2016 at Kloster Schöntal

2014 – 2017 Graduate Speaker at Heidelberg University Biochemistry Center

2014 – 2015 Member of the organization committee for the 4th Heidelberg Forum for Young Life Scientists 2015 at Heidelberg University

Oct 2010 – Mar 2011 Member of the organization committee and chair of the 9th International Student Seminar at Kyoto University

Oct 2010 – Aug 2011 Voluntary work as English and German teacher for Japanese Oct
2007 – Aug 2012 Advisor and tutor for Bachelor and Master students for Molecular Bioscience at Heidelberg University

Honours and fellowships

12. May 2016 HBIGS Travel Grant for attending the Gordon Research Conference and Seminar “Thiol-based Redox Regulation and Signaling “

16. Sep 2015 Poster Presentation Prize of the European Science Foundation – European Molecular Biology Organization Symposium “Thiol-based Redox Switches in Life Science”

Oct 2011 – Apr 2017 Member of the “Hartmut Hoffmann-Berling International Graduate School of Molecular and Cellular Biology” (HBIGS)

Apr 2011 – Sep 2011 Fellowship of the “Landesstiftung Baden-Württemberg” (Baden-Württemberg-Stipendium)

Oct 2010 – Mar 2011 Fellowship of the “Industrialised Countries Instrument Education Cooperation Programme” (ICI ECP) of the European Union

Jul 2006 Award of the “Gesellschaft Deutscher Chemiker” for outstanding achievements in chemistry in 2006

International conferences

7.-12. Aug 2016 Gordon Research Conference “Thiol-Base Redox Regulation and Signaling”, Stowe, VT, United States

12.-17. Sept 2015 ESF-EMBO Symposium “Thiol-based Redox switches in Life Sciences”, Sant Feliu, Spain

18.-19. May 2015	2 nd Transnational Redox Meeting, Faculté des Sciences, Vandoeuvre-lès-Nancy, Université de Lorraine, France
6.-9. Apr 2014	BSP Spring Meeting 2014, International symposium of the British Society for Parasitology, Cambridge University, United Kingdom
21.-23. Nov 2013	15 th International PhD Symposium: "Competition in Biology. The Race for Survival from Molecules to Systems", European Molecular Biology Laboratory, Heidelberg, Germany
3.-6. Oct 2013	Molecular Life Science 2013, International Symposium of the German Society for Biochemistry and Molecular Biology, Goethe University, Frankfurt a. M., Germany
7.-9. March 2011	9 th International Student Seminar: "Break through – Expand Your Horizons", Kyoto University, Japan

Additional skills and interests

Language	English (proficient), Russian (basic), Japanese (basic)
Computer	Advanced knowledge of common IT applications (MS Office, Adobe Photoshop, Illustrator, Premiere, etc.), bioinformatics
Personal interests	Painting and crafting, video editing, playing the electric guitar, reading, writing

Publications

Ulrich K, Finkenzeller C, Merker S, Rojas F, Matthews K, Ruppert T, Krauth-Siegel R L (2017) Stress-induced protein S-glutathionylation and S-trypanothionylation in African trypanosomes – a quantitative redox proteome and thiol analysis. *Antioxid Redox Signal*, ahead of print (doi: 10.1089/ars.2016.6947)

Diederich K and Krauth-Siegel R L (2016) Trypanothion – Wunderwaffe und Achillesferse der Trypanosomatiden. *Biospektrum*, 22(4): 344-347.

Rahbari M*, Diederich K*, Becker K, Krauth-Siegel R L, Jortzik E (2015) Detection of thiol-based redox switch processes in parasites - facts and future. *Biol Chem*, 396(5): 445-63. *equal contribution

Poenisch M, Metz P, Blankenburg H, Ruggieri A, Lee JY, Rupp D, Rebhan I, Diederich K, Kaderali L, Domingues F S, Albrecht M, Lohmann V, Erfle H, Bartenschlager R (2015) Identification of HNRPK as regulator of hepatitis C virus particle production. *PLoS Pathog*, 11 (1): e1004573.