

Dr. Sven-Andreas Freibert

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Education

2005 – 2006	Undergraduate studies in physics and mathematics at the Philipps-Universität Marburg, Germany
2006 – 2008	Undergraduate studies in biology at the Philipps-Universität Marburg, Germany Examination in „Zellbiologie“ Bachelorthesis at the Institut für Zytobiologie und Zytopathologie (AG Prof. Dr. Roland Lill) Titel: „Funktionelle Reinigung des CIA-Proteins Nar1p aus <i>S. cerevisiae</i> “
04.06.2008	Receiving the degree: „Bachelor of Science“ Overall grade: „sehr gut“ (1.6)
2008 – 2010	Graduate studies in „Molecular and Cellular Biology“ at the Philipps-Universität Marburg, Germany Examination in: „Zellbiologie“ Masterthesis at the Institut für Zytobiologie und Zytopathologie (AG Prof. Dr. Roland Lill) Titel: „Identifizierung, Charakterisierung und funktionelle Reinigung von CIA-Proteinen aus <i>Chaetomium thermophilum</i> “
15.04.2010	Receiving the degree: „Master of Science“ Overall grade: „ausgezeichnet“ (1.1)
2010 – 2015	PhD Student at Philipps-Universität Marburg, Germany, Institut für Zytobiologie und Zytopathologie, AG Prof. Dr. Roland Lill
13.11.2015	Disputation for the degree: „Dr. rer. nat.“

Title of Dissertation:

„Der frühe Teil der mitochondrialen Eisen-Schwefel-Cluster
Assemblierungsmaschinerie - Strukturelle und mechanistische
Einblicke“

Research grants

2010 – 2013	Fellowship of the Max-Planck Gesellschaft (R.Lill)
2013	Short-term internship grant from the LOEWE Center for Synthetic Microbiology (SYNMIKRO) conducted at Humboldt Universität zu Berlin, Institut für Strukturbiologie (AG Prof. Dr. Holger Dobbek)
2014	Short-term Travelling Fellowships for Structural Biologists (3 months) by Bio-NMR and Instruct conducted at University of Florence, CERM

Internships

04/2007 – 06/2007	Internship at Dade Behring, Marburg, Germany; department „Research and Development“, AG Dr. Thilo Henckel
08/2009 – 10/2009	Internship at Eppendorf AG, Hamburg, Germany; department “Product Management”, Dr. Claudia Hoffmann

Particular skills

Languages:	English	(fluent)
	French	(basics)
	Latin	(basics)
EDV:	Competent knowledge in using PC and Mac, particularly in using MS Word, MS Excel, MS PowerPoint, Open Office, Adobe, PyMOL, UCSF Chimera and Origin8G	

Course-related activities

Supervision of practicals in cellular und microbial biology

Supervision of laboratory internships

Supervision of bachelor students

Supervision of master students

Publications

- Uzarska, M.A., Dutkiewicz, R., **Freibert, S.A.**, Lill, R., and Mühlenhoff, U. (2013). The mitochondrial Hsp70 chaperone Ssq1 facilitates Fe/S cluster transfer from Isu1 to Grx5 by complex formation. *Mol Biol Cell* **24**, 1830-1841.
- Webert, H., **Freibert, S.A.**, Gallo, A., Heidenreich, T., Linne, U., Amlacher, S., Hurt, E., Mühlenhoff, U., Banci, L., and Lill, R. (2014). Functional reconstitution of mitochondrial Fe/S cluster synthesis on Isu1 reveals the involvement of ferredoxin. *Nat Commun* **5**, 5013.
- Lill, R., Dutkiewicz, R., **Freibert, S.A.**, Heidenreich, T., Mascarenhas, J., Netz, D.J., Paul, V.D., Pierik, A.J., Richter, N., Stümpfig, M., *et al.* (2015). The role of mitochondria and the CIA machinery in the maturation of cytosolic and nuclear iron-sulfur proteins. *Eur J Cell Biol* **94**, 280-291.