

Leichert, Lars I.

General Information

Name: Leichert, Lars I.
Academic title: Jun.-Prof. Dr. rer. nat.

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Current position/status: Junior-Professor



Academic Education and Qualifications

2005 Dr. rer. nat, in Biochemistry, Ernst-Moritz-Arndt-Universität Greifswald, awarded with “*summa cum laude*”
2002 Diploma in Biochemistry, Ernst-Moritz-Arndt-Universität Greifswald, awarded “with distinction”
1998-2002 Biochemistry, Ernst-Moritz-Arndt-Universität Greifswald

Professional Career

2008-present Junior Professor for Redox Proteomics, Medizinisches Proteom-Center, Ruhr-Universität Bochum
2006-2008 Postdoctoral researcher, University of Michigan
2002-2005 Visiting research scholar, University of Michigan

Professional Awards

2011 ERC Starting Grant, European Research Council
2010 “Young Gun Early Career Investigator Award”, HUPO (Human Proteome Organization)
2007 “Programm zur Förderung der Rückkehr des wissenschaftlichen Spitzennachwuchses aus dem Ausland” of the State Ministry for innovation, Science and Research Nordrhein-Westfalen
2006 Dissertation Award, Faculty for Mathematics and Sciences, Ernst-Moritz-Arndt-Universität Greifswald

Publications (5 most cited publications)

1. Lindemann C, Lupilova N, Müller A, Warscheid B, Meyer HE, Kuhlmann K, Eisenacher M, **Leichert LI (2013)** Redox proteomics uncovers peroxynitrite-sensitive proteins that help *Escherichia coli* to overcome nitrosative stress
J Biol Chem 288(27), 19698-19714
2. Müller A, Hoffmann J H, Meyer HE, Narberhaus F, Jakob U, **Leichert LI (2013)** Non-native disulfide bond formation activates the σ^{32} -dependent heat shock response in *Escherichia coli*
J Bacteriol 195(12), 2807-2816

3. **Leichert LI, Gehrke F, Gudiseva HV, Blackwell T, Ilbert M, Strahler JR, Walker AK, Andrews PC, Jakob U (2008)**
Quantifying changes in the thiol redox proteome upon oxidative stress *in vivo*
Proc Natl Acad Sci 105(24), 8197-8202
4. **Leichert LI, Jakob U (2004)**
Protein thiol modifications visualized *in vivo*
PLoS Biol 2(11), e333
5. **Leichert LI, Scharf C, Hecker M (2003)**
Global characterization of disulfide stress in *Bacillus subtilis*
J Bacteriol 185(6), 1967-1975