

Lillig, Christopher Horst

General Information

Name: Lillig, Christopher Horst
Academic title: Dr. rer. nat. habil.

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Current position/status: TVL-E15



Academic Education and Qualifications

21.03.1998 Diploma in Biology, Ruhr-University Bochum, Germany, majors: Biochemistry and Biophysics
26.06.2001 PhD (Dr. rer. nat.), supervisor: Jens-Dirk Schwenn, Department Biochemistry of Plants, Ruhr-University Bochum, Germany, awarded *summa cum laude*
2010 Habilitation for "Biochemistry and Cell Biology," Philipps University Marburg

Professional Career

05/1998-07/2001 Wissenschaftlicher Mitarbeiter, Ruhr-University Bochum, Germany, Department for Biochemistry of Plants
10/2001-05/2009 Postdoctoral fellow, Karolinska Institutet, Stockholm, Sweden, The Medical Nobel Institute for Biochemistry, host: Arne Holmgren
07/2005-05/2009 Independent Group leader, Karolinska Institutet, Stockholm, Sweden, The Medical Nobel Institute for Biochemistry
10/2006-09/2011 Independent Group leader (Emmy Noether fellow, SFB593-N01), Philipps-Universität Marburg, Germany, Institute for Clinical Cytobiology and Cytopathology
since 10/2011 Ernst-Moritz Arndt-Universität Greifswald, Germany, Institute for Medical Biochemistry and Molecular Biology

Professional Awards

06/1998-10/1999 Associate member of the PhD program 'Biogenesis and functions of complex cell functions', founded by the German science foundation [DFG], speaker: Prof. Dr. E. Weiler
10/2001-08/2002 Postdoctoral fellowship, Karolinska Institutet, Stockholm, Sweden
09/2002-07/2004 Fellowship for a guest scientist, the Swedish Cancer Society, Stockholm, Sweden [Cancerfonden]
08/2004-06/2005 Postdoctoral fellowship, Karolinska Institutet, Stockholm, Sweden
07/2005-06/2007 Fellowship for the achievement of docent competence, the Swedish Society for Medical Research, Stockholm, Sweden [SSMF]
09/2005 The Lester Packer award in appreciation of scientific excellence, Oxygen Club of California [OCC]
04/2006 Independent Junior Research Group Leader in the Collaborative Research Centre 593, German science foundation [DFG], equiv. to Emmy-Noether Fellowship

Publications (5 most important publications out of 40, H-index 20)

1. **Lillig CH, Lönn ME, Enoksson M, Potamitou Fernandes A, Holmgren A (2004)**
Short interfering RNA-mediated silencing of glutaredoxin 2 increases the sensitivity of HeLa cells towards doxorubicin and phenylarsine oxide
Proc Natl Acad Sci USA 101, 13227-13232
2. **Lillig CH, Berndt C, Vergnolle O, Lönn ME, Hudemann C, Bill E, Holmgren A (2005)**
Characterization of human glutaredoxin 2 as new iron-sulfur protein: a possible role as redox sensor
Proc Natl Acad Sci USA 102, 8168-8173
3. Lönn ME*, Hudemann C*, Berndt C, Cherkasov V, Capani F, Holmgren A, **Lillig CH (2008)**
Expression pattern of human glutaredoxin 2 isoforms: Identification and characterization of two testis/cancer cell-specific isoforms
Antioxid Redox Signal 10, 547-558
4. Mühlhoff U, Molik S, Godoy JR, Uzarska MA, Richter N, Seubert A, Zhang Y, Stubbe J, Pierrel F, Herrero E, **Lillig CH, Lill R (2010)**
Cytosolic monothiol glutaredoxins function in intracellular iron sensing and trafficking via their bound iron-sulfur cluster
Cell Metab 12, 373-385
5. Bräutigam L, Schütte LD, Godoy JR, Prozorovski T, Gellert M, Hauptmann G, Holmgren A, **Lillig CH***, Berndt C* **(2011)** [* co-corresponding authors]
Vertebrate-specific glutaredoxin is essential for brain development
Proc Natl Acad Sci USA 108, 20532-20537