

Clara Immerwahr Awardee 2014

Dr. Teresa Santos-Silva
New University of Lisbon, Portugal
„X-ray Crystallography
for the Characterisation
of Molybdenum Proteins“

Guest Lecture

Prof. Dr. Linda H. Doerrer
University of Boston, USA
„The Magic Roles of Metal and
Ligand for Selective Oxygenations“



Award Ceremony

Technische Universität Berlin
Main Building, Atrium (Lichthof)
Straße des 17. Juni 135
10623 Berlin

The Cluster of Excellence
„Unifying Concepts in Catalysis“



bestows the

Clara Immerwahr Award 2014

Friday, February 21st, 2014 at 4:00 pm
at Technische Universität Berlin

The Clara Immerwahr Award 2014 is sponsored by



Unifying Concepts in Catalysis

UniCat is the Cluster of Excellence within the framework of the German Initiative for Excellence researching the field of catalysis. More than 250 chemists, physicists, biologists and engineers from four universities and two Max Planck research institutes from Berlin and Potsdam are involved in this interdisciplinary research network. The Cluster is hosted by the Technische Universität Berlin.

The subject areas covered range from the chemical conversion of natural and biogas, the activation of carbon dioxide and the creation of hydrogen from light and water, to the synthesis of active ingredients using enzymes.

Participating Institutions

- Technische Universität Berlin (host university)
- Freie Universität Berlin
- Humboldt Universität zu Berlin
- Universität Potsdam
- Fritz-Haber-Institut der Max-Planck-Gesellschaft in Berlin Dahlem
- Max-Planck-Institut für Kolloid- und Grenzflächenforschung in Potsdam Golm

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Public Transportation



- U** Ernst-Reuter-Platz: U2
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- BUS** Ernst-Reuter-Platz: M45, 245, X9
- S** Zoologischer Garten: S5, S7, S75
Tiergarten: S5, S7, S75

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About the Award

The Clara Immerwahr Award, launched in 2011, is conferred annually by the Cluster of Excellence UniCat to honor an exceptional young female scientist from Germany or abroad in the field of catalysis. It is associated with a financial support of 15.000 Euro for a research stay at UniCat and thought to establish close collaborative links with UniCat working groups.

The Clara Immerwahr Award serves as an excellent exemplar of the promotion of outstanding young female scientists and is another successful measure taken by UniCat aimed at advancing female researchers.

Who was Clara Immerwahr?

Clara Immerwahr (June 21st, 1870 - May 2nd, 1915) studied Chemistry at the University of Breslau. Quick-witted and thirsting for knowledge, Clara became the first woman to be awarded a doctorate in physical chemistry at a German university.

Clara Immerwahr was the first wife of Fritz Haber, head of the Kaiser Wilhelm Institute of physical chemistry and electrochemistry, which was the forerunner of the Fritz Haber Institute.

Award Ceremony

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Main Building, Atrium (Lichthof)**

including lectures of



Dr. Teresa Santos-Silva
New University of Lisbon, Portugal
„X-ray Crystallography for the
Characterisation of
Molybdenum Proteins“

and

Prof. Dr. Linda H. Doerrer
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The ceremony and lectures will be followed by a reception at the *Atrium* of the Technische Universität Berlin.

We cordially ask for a notice of intention to attend via e-mail to **registration@unicat.tu-berlin.de** until February 9th, 2014.

Awardee

Dr. Teresa Santos-Silva is an Assistant Researcher at Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugal and recently won an FCT-Investigator position, in a very competitive call of the Portuguese Science Foundation. She graduated (2001) in Chemistry and had her PhD (2006) in Protein Crystallography. During her research activities she had the opportunity to solve the structure of different metalloproteins involved in electron transfer and enzymatic processes. She is the principal investigator of two ongoing research projects funded by the Portuguese Science Foundation and of a bilateral agreement with DAAD.

Research Interests

Dr. Santos-Silva focusses her attention in two main areas of interest: X-ray crystallography applied to drug design and X-ray crystallography of molybdenum-related enzymes. One of these enzymes is Formate Dehydrogenase, a key protein in formate oxidation. In collaboration with UniCat, she plans to characterize FDH using X-ray crystallography and biological small angle X-ray scattering.