

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

Contact

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Public Transportation



- U** Ernst-Reuter-Platz: U2
Zoologischer Garten: U2, U9
- BUS** Ernst-Reuter-Platz: M45, 245, X9
- S** Zoologischer Garten: S5, S7, S75
Tiergarten: S5, S7, S75

Friday, February 13, 2015 at 2:00 pm

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

The Clara Immerwahr Award 2015 is sponsored by

SIEMENS



The cluster of excellence
„Unifying Concepts in Catalysis“



bestows



The
CLARA IMMERWAHR AWARD
2015

Friday, February 13, 2015 at 2:00 pm
at Technische Universität Berlin

About the Award

The Clara Immerwahr Award is conferred annually to a young female scientist at an early stage of her career (postdoctoral fellow, junior researcher) for outstanding results in Catalysis Research. It is associated with a financial support of 15,000 Euro for a research stay at UniCat and thought to pave the way for setting up an independent research group in the consortium or for establishing close collaborative links with UniCat.

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



Lichthof TU Berlin; Foto © TU-Pressestelle / Böck

Who was Clara Immerwahr

Clara Immerwahr (June 21, 1870 – May 2, 1915) studied Chemistry at the University of Breslau. She 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.

Award Ceremony

**Friday, February 13, 2015 at 2:00 pm
at Technische Universität Berlin
Main Building, Atrium (Lichthof)**

including lectures of



Dr. Anna Company Casadevall
University of Girona, Spain

„Selective *ortho*-hydroxylation-defluorination
of 2-fluorophenolates with bis(μ -oxo)
dicopper(III) species“

and

Prof. Dr. Petra Schwill
Max Planck Institute of Biochemistry,
Martinsried

„Protein pattern formation on membranes –
biological analogs of heterogeneous catalysis?“

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
by January 30, 2015.

Awardee

Dr. Anna Company graduated in Chemistry in 2004 and she obtained her PhD in Chemistry in 2008. During her PhD studies she worked on the activation of O₂ at copper and iron-based bioinspired complexes. During this period she performed two short research-stays in highly recognized research groups: in 2006 at the University of Minnesota (Minneapolis, USA) and in 2007 at the Max-Planck-Institut für Bioanorganische Chemie (Mülheim, Germany). Her postdoctoral position at the TU Berlin was funded by the European Commission by a 2-year Marie Curie Intra-European Fellowship and her work was focused on the study of the mechanisms of O₂ activation at nickel centers and the reactivity of the resulting nickel-dioxygen adducts. During this period she won the 2010 Dalton Young Researchers Award, awarded by the Royal Society of Chemistry. Dr. Anna Company is currently appointed as a „Ramón y Cajal“ fellow at the Department of Chemistry at the University of Girona (Catalonia – Spain) and she is principle investigator of two research projects: a Marie Curie Career Integration Grant from the European Commission and a research project from the Spanish Ministry of Science.

Research Interests

Current research interests include activation of small molecules such as N₂O, O₃, CO₂ and CO using first row transition metals, design of catalysts involved in oxidation reactions using environmentally friendly oxidants and characterization of the transient species involved in oxidation reactions.