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

U9 Ernst-Reuter-Platz

S3 **S5** **S7** **S75** Zoologischer Garten

BUS M25, 245, X9 Ernst-Reuter-Platz

Monday, February 11th, 2013 at 4:00 pm

Technische Universität Berlin
Main Building, Lecture Hall H 2032,
Straße des 17. Juni 135, 10623 Berlin

www.unicat.tu-berlin.de/clara-immerwahr-award

The Clara Immerwahr Award 2013 is sponsored by

SIEMENS

TU berlin

The Cluster of Excellence „Unifying Concepts in Catalysis“

unicat

bestows the

Clara Immerwahr Award 2013

Monday, February 11th, 2013 at 4:00 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 exemplare of the promotion of an excellent young female scientists and is another successfull measure taken by UniCat aimed at advancing female researchers.

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

Monday, February 11th, 2013 at 4:00 pm
at Technische Universität Berlin
Main Building, Lecture Hall H 2032

including lectures of

Dr. Jennifer K. Edwards,
Cardiff University, Wales, UK
„Highly Selective Catalysts for Hydrogen Peroxide Synthesis“

and

Prof. Dr. Katharina Kohse-Höinghaus,
Universität Bielefeld
„(Bio)-fuel combustion: chemical challenges“

The ceremony and lectures will be followed by a reception at the *Lichthof* 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 1st, 2013.

Awardee

Dr. Edwards holds a Bachelor of Science in Chemistry with Biological Science from Cardiff University (2003). During her PhD (Chemistry, Cardiff University School of Chemistry, GB, 2006) she developed numerous novel heterogeneous catalysts and measured their activity for the direct synthesis of hydrogen peroxide from hydrogen and oxygen. During this time she developed a novel Au-Pd catalyst which showed unprecedented high activity and selectivity for the direct synthesis reaction whilst being inactive for hydrogen peroxide decomposition. In 2010 she was awarded a prestigious fellowship from the Japanese Society for the Promotion of Science. In 2011 she received the Carol Tyler award from the International Precious Metal Institute which recognized her contributions to precious metal research. She is currently a senior research fellow in the Cardiff Catalysis Institute.

Research Interests

Catalysis by gold, AuPd alloys, sub nm metal clusters in catalysis, selective hydrogenation, selective oxidation, utilisation of bio renewable feedstocks, fossil fuel free synthesis of platform chemicals, CO_2 utilisation.