

The Cluster of Excellence
Unifying Concepts in Catalysis



for the first time bestows the

Clara Immerwahr Award 2012



on Friday, February 10th, 2012 at 4:00 pm

at the Technische Universität Berlin,
Main Building, Horst-Wagon-Hall H1012,
Straße des 17. Juni 135, 10623 Berlin

Clara Immerwahr Awardee 2012

Dr. Kylie A. Vincent, University of Oxford, UK

„Driving chemical reactions with dihydrogen:
insights into biocatalysis and its applications in energy cycling and chemical synthesis“

Guest Lecture

Prof. Dr. Ada E. Yonath, Weizmann Institute of Science, Israel

„Is there a limit to life expectancy? Wishes, predictions and reality“

For more details please visit

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

The Clara Immerwahr Award 2012 is sponsored by



Unifying Concepts in Catalysis - UniCat

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.

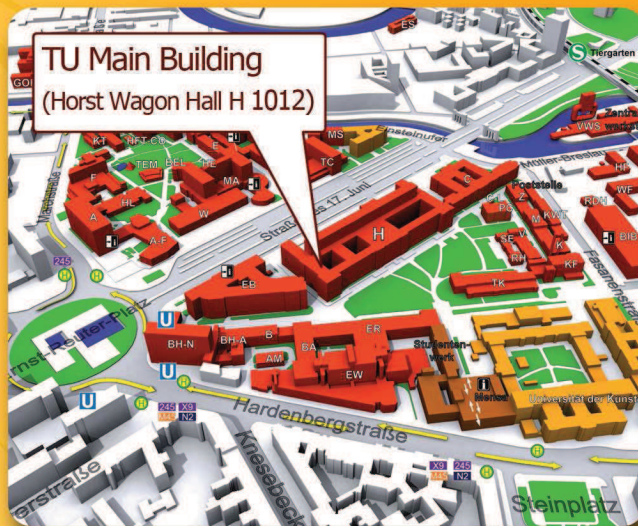
The subject areas covered range from the chemical conversion of natural and biogas, the activation of carbon dioxide and the creation of hydrogen from light and water, to the synthesis of active ingredients using enzymes.

Participating Institutions

- Technische Universität Berlin (host university)
- Freie Universität Berlin
- Humboldt Universität zu Berlin
- Universität Potsdam
- Fritz Haber Institute of the Max Planck Gesellschaft in Berlin Dahlem
- Max Planck Institute for Colloids and Interfaces in Potsdam Golm

Contact:

Technische Universität Berlin
UniCat Office, Sek. C1
Straße des 17. Juni 135, 10623 Berlin, Germany
Tel: +49 030 314-28590
www.unicat.tu-berlin.de



Public Transportation:

U9 Ernst-Reuter-Platz, **S3 S5 S7 S75** Zoologischer Garten
BUS M 45, 245, X9 Ernst-Reuter-Platz

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ABOUT THE AWARD

The Clara Immerwahr Award will be conferred annually to a young female scientist at an early stage of her career (postdoctoral fellow, junior researcher) from Germany and abroad working in the fields of chemistry, physics, biology, chemical process engineering or biotechnology and researching areas relevant to catalysis. 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 example of the promotion of excellent young female scientists and is another successful 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

**Friday, February 10th, 2012
at 4:00 pm**

at the Technische Universität Berlin,
Main Building, Horst Wagon Hall H 1012,
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10623 Berlin

including lectures of

Dr. Kylie A. Vincent, University of Oxford
„Driving chemical reactions with dihydrogen:
insights into biocatalysis and its applications in
energy cycling and chemical synthesis“

and

Prof. Ada Yonath, Rehovot, Israel
„Is there a limit to life expectancy?
Wishes, predictions and reality“

The ceremony and lectures
will be followed by a reception
at the Lichthof of the
Technische Universität Berlin
We cordially ask you for a notice of
intention to attend via e-mail to
unicat@tu-berlin.de
until February 3rd, 2012

AWARDEE

Academic Background

Dr. Kylie A. Vincent holds a Bachelor of Arts (English literature)/Bachelor of Science (Chemistry/Biochemistry) from the University of Melbourne, Australia (1999). Her PhD (Chemistry, University of Melbourne, 2004) involved



**Dr. Kylie A.
Vincent**

a joint research project with the John Innes Centre, Norwich UK. She then took up a postdoctoral position with Prof. Fraser Armstrong in the Inorganic Chemistry Laboratory, University of Oxford in 2002, and an RJP Williams Junior Research Fellowship at Wadham College, Oxford in 2003. In 2007 she was awarded a Royal Society University Research Fellowship, and in 2008 she took up a Research Councils UK Academic Fellowship in the Chemistry Department at the University of Oxford and a Senior Research Fellowship at Jesus College, Oxford. Her research is supported by an ERC Starting Grant.

Research Interests

Understanding biological redox catalysis - in particular the efficient oxidation or production of hydrogen by microbial hydrogenase enzymes at [FeFe] or [NiFe] centres; studying enzyme active sites during catalytic turnover using direct electrochemical and Infrared spectroelectrochemical methods; exploiting enzyme catalysis in energy cycling.