



Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG



THE HAMBURG CENTRE
FOR ULTRAFAST IMAGING

OVERVIEW AND CONTACT

CUI SCIENCE

Atoms, molecules and electrons move, form bonds between each other and break apart unimaginably fast. Scientists at “The Hamburg Centre for Ultrafast Imaging” (CUI) want to observe and understand these ultrafast processes directly on the atomic level of detail, so that maybe, one day, they will even be able to control them systematically.

Since this undertaking will require the expertise of many disciplines, scientists from Physics, Chemistry, Biology, and Medicine have joined forces under the umbrella of the cluster of excellence. All in all more than 150 scientists from all around the world work together to uncover the fascination of dynamic processes in physics, chemistry and structural biology.

Hamburg with its unique collection of expertise in the exciting fields of photon and nano science offers excellent research conditions on all levels of career.

In addition to the study of fundamental processes in the field of photon and nano science, important features of the project are a clear focus on gender and families as well as the promotion of junior researchers.

CUI - Cluster of Excellence

Hosted at University Hamburg;
funded within the Excellence Initiative by the German
Federal and State Governments as of 1 November 2012.

Participating Institutions:

Universität Hamburg
Deutsches Elektronen Synchrotron (DESY)
European Molecular Biology Laboratory (EMBL)
Max Planck Institute for the Structure and
Dynamics of Matter (MPSD)
European XFEL GmbH (XFEL)

Address:

The Hamburg Centre for Ultrafast Imaging (CUI)
Luruper Chaussee 149
22761 Hamburg
Germany

More Information on the Mildred Dresselhaus Guest
Professorship Program can be found at:

WWW.CUI.UNI-HAMBURG.DE or by contacting
CUI.OPPORTUNITY@CUI.UNI-HAMBURG.DE



www.cui.uni-hamburg.de

MILDRED DRESSELHAUS GUEST PROFESSORSHIP PROGRAM





Foto: Quinn

QUEEN OF CARBON, PIONEER AND ROLE MODEL

Mildred Dresselhaus, Professor of Physics and Engineering at the Massachusetts Institute of Technology, was a clear role model and leader in promoting opportunities for women in science and engineering.

She was born to Polish immigrants in the Bronx, New York, in 1930. As a young woman, she was advised that the only jobs open to her were schoolteacher, secretary or nurse. However, inspired by her physics teacher and future Nobel Laureate Rosalyn Yalow, she graduated from Hunter College with a science degree in 1951.

In 1958 Mildred Dresselhaus obtained her Ph.D. at the University of Chicago. After marrying and giving birth to four children she became the first tenured professor in MIT's engineering department in 1968.

The scientist, who has been called the "Queen of Carbon", has received numerous awards for her research. In 1990 she received the US National Medal of Science. Mildred Dresselhaus passed away in February 2017.

THE PROGRAM

The Mildred Dresselhaus Program provides excellent research conditions for international outstanding female researchers. It is aimed at successful senior scientists as well as younger researchers with high potential.

The awardees are invited

- to perform research in Hamburg, within one of CUI's excellent research groups, for a period of two to six months,
- focus on a topic of their choice,
- give lectures

The aims are to establish role models for young women in natural sciences, to attract world leading researchers to Hamburg, and to start new and intensify existing collaborations. The award entails a generous travel and living allowance as well as further financial support.

If you would like to recommend a female colleague or yourself to receive this award, please mail your conclusive recommendation or self application to

CUI.OPPORTUNITY@CUI.UNI-HAMBURG.DE



AWARDEES

2017

PROF. DR. ANNA KRYLOV
University of Southern California
USA

DR. TANYA ZELEVINSKY
Columbia University
USA

2016

PROF. DR. CRISTIANE MORAIS SMITH
Universiteit Utrecht
The Netherlands

DR. FRIEDERIKE ERNST
Stanford University
USA

2015

PROF. DR. ELSPETH GARMAN
University of Oxford
UK

DR. LIESBETH JANSSEN
Technische Universiteit Eindhoven
The Netherlands

2014

PROF. DR. ROSEANNE SENSION
University of Michigan
USA

DR. ANOUK RIJS
Radboud Universiteit
The Netherlands

2013

PROF. DR. TAMAR SEIDEMAN
Northwestern University
USA

DR. ROSARIO GONZÁLEZ -FÉREZ
Universidad de Granada
Spain