

Guest Professorship Programme

■ 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 and chemistry.

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.



■ Overview & Contact

CUI Cluster of Excellence:

Hosted at Universität 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)

Spokespersons:

Prof. R. J. Dwayne Miller, MPSD

Prof. Klaus Sengstock, Institute of Laser-Physics

Prof. Horst Weller, Institute of Physical Chemistry

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More information on the Mildred Dresselhaus Guest Professorship Programme can be found at www.cui.uni-hamburg.de - or by contacting cui.opportunity@cui.uni-hamburg.de.



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



Mildred Dresselhaus Guest Professorship Programme

CUI - Cluster of Excellence



■ Ad personam

"It's important for us to get these things going, to show that we can do it too."



In 1990 Mildred Dresselhaus received the US National Medal of Science.
Foto: Quinn

Mildred Dresselhaus, Professor of Physics and Engineering at the Massachusetts Institute of Technology, is 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 school-teacher, 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 Programme

The Mildred Dresselhaus Programme provides excellent research conditions for international outstanding women 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 CUI for a period of two to six months,
- give lectures,
- focus on a topic of their choice.

The aims are to establish role models for young women in the physical sciences, to attract world leading researchers to Hamburg, and to start new and intensify existing collaborations. The award is connected with 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 hand in your conclusive recommendation or self application to cui.opportunity@cui.uni-hamburg.de.



Female scientists discussing career opportunities during a workshop organized by CUI.
Foto: DESY Hamburg, Marta Meyer

■ Equal Opportunity

Equal Opportunity measures within CUI are clearly defined and intend to target two major tasks: First, the provision of a family friendly work environment through flexible and individual approaches, and second an increase in the number of female researchers on all career levels.

In order to have a lasting effect in improving the work environment for men and women in the



context of a career and of family life, CUI tries to address its researchers' individual needs as well as structural change.

An **ambitious action plan** includes active scouting for female professors and group leaders. In addition, if a female scientist belongs to a research group, the whole team profits from extra financial support. The overall aim is to have 40 percent women among all graduates and postdocs.

Furthermore, CUI organizes workshops and other networking events concerning women's careers, balancing parenthood and careers, or homecare and careers.