

Elena Timoféeff-Ressovsky Seminar Series

Notable Women in Science & Medicine

presents



Photographic design: Lukas Eckardt

supported by the Society of Friends of the MDC Berlin-Buch

Dr. Wiebke Möbius

Department of Neurogenetics, Max Planck Institute of
Experimental Medicine, Göttingen

**“Looking at myelin: Insight into biology and
function by electron microscopy“**



Thursday, June 21, 2018

3.00 p.m.

FMP, ground floor; room B1.16

**Hosts: Christiane Nolte
Séverine Kunz**

If you are interested to discuss scientific issues
with Wiebke Möbius, please contact the hosts in
advance.

After the scientific presentation there will be
opportunity for personal discussion with the
speaker about issues related to women in life-
science careers. Please contact cnolte@mdc-berlin.de



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MDC MAX-DELBRÜCK-CENTRUM
FÜR MOLEKULARE MEDIZIN
IN DER HELMHOLTZ-GEMEINSCHAFT

Wiebke Möbius



BIOSKETCH

Wiebke Möbius obtained her Diploma in 1994 and her PhD in 1998 at the Kekulé-Institute of Organic Chemistry and Biochemistry, University of Bonn under supervision of Dr.s Schwarzmann and Sandhoff, in collaboration with the Institute of Cell Biology. From 1999 – 2003 she worked as a postdoc at the Department of Cell Biology, UMC, Utrecht, The Netherlands, where she developed and optimized techniques for the localization of lipids by immunoelectron microscopy, together with Hans Geuze and Jan Willem Slot. Following that she went to the EMBL in Heidelberg to join the cell biology group of Gareth Griffiths and Jacomine Krijnse-Locker. In 2004 she became Research Associate at the Department of Neurogenetics at the Max Planck Institute of Experimental Medicine in Göttingen, where she was appointed as Head of the Electron Microscopy Core Unit. Her research focus lies in neurobiology, especially on myelinogenesis and turnover. Wiebke established several sophisticated EM techniques at the institute, such as the Tokuyasu technique (immunoelectron microscopy of cryosections), high-pressure freezing and freeze substitution of nervous tissue and serial block-face imaging in a scanning electron microscope by focused-ion-beam milling (FIB-SEM). This variety of methods makes it possible to cover the whole range of biological structures important in neurobiology from isolated proteins/vesicles to complex tissues. Her work is crucial to unravel the underlying ultrastructure in health and disease, and thereby helps to resolve many biomedical research questions.

Wiebke Möbius is elected board member of the German Society of Electron Microscopy (DGE) and elected speaker of the PANOS workgroup of the DGE.