KLAUS MÜLLEN

Max Planck Institute for Polymer Research
Department of Synthetic Chemistry
Mainz, Germany

Title of Lecture: "The Chemist´s Carbon Nanostructures as Functional Multitalents"

Phone: +49 6131 379-151
Email: muellen@mpip-mainz.mpg.de

Education:

1971	Ph.D., University of Basel (Prof. F. Gerson)
1969	Diploma in chemistry, University of Cologne (Prof. E. Vogel)

Research and Professional Experience

1972–1978	Postdoctoral-training and Habilitation (Professor J.F.M. Oth), ETH Zürich
1979–1984	Professor University of Cologne
1984–1989	Professor University of Mainz
1988	Call from the University of Göttingen
1989	Scientific Member of the Max-Planck-Society and Director at the Max Planck Institute for Polymer Research
1992	Call from the University of Cologne
2016	Fellow of the Gutenberg Research College

Awards

Professor Klaus Müllen has received many awards such as the Max Planck Forschungspreis, the Philip Morris Forschungspreis, the Nozoe-Award, the Science Award of the "Stifterverband", the Innovation Award of the State of North Rhine Westphalia, the Nikolaus August Otto Award, Society of Polymer Science Japan International Award, ACS Award in Polymer Chemistry, Tsungming Tu Award, Taiwan, BASF-Award for Organic Electronics, Franco-German Award of the Sociéte Chimique de France, Adolf-von-Baeyer-Medal, GDCh, Utz-Hellmuth-Felcht Award, SGL Group, China Nano Award, the Carl Friedrich Gauß-Medal and van't Hoff Award of the Royal Netherlands Academy of Sciences, fellow of the Gutenberg Research College, Mainz. From 2008-2009 Professor Müllen served as president of the German Chemical Society (GDCh). 2013 he was president of the German Association for the Advancement of Science and Medicine. He is member of the American Academy of Arts & Sciences, member of the North-Rhine-Westphalian Academy for Sciences and Art, of the National Academy Leopoldina, of the European Academy of Sciences (EURASC), corresponding member of the Braunschweigische Wissenschaftliche Gesellschaft. In 2010 he received an Advanced ERC Grant for his work on nanographenes. He is associate editor of the Journal of the American Chemical Society.

Research Interests

Professor Müllen's broad research interests range from the development of new polymer-forming reactions, including methods of organometallic chemistry, to the chemistry and physics of small molecules, graphenes, dendrimers and biosynthetic hybrids. His work further encompasses the formation of multi-dimensional polymers with complex shape-persistent architectures, nanocomposites, and molecular materials with liquid crystalline properties for electronic and optoelectronic devices.