

# PROFESSOR KLAUS MÜLLEN



Born in 1947 in Cologne, Professor Klaus Müllen is one of the most eminent contemporary chemists. He is a world-renowned authority in the fields of supramolecular chemistry, polymer chemistry, and nanotechnology. A remarkable scientist as well as an initiator of scientific institutions

in Germany and an exceptionally active promoter of international interdisciplinary collaboration in science.

Professor Klaus Müllen graduated from the University of Cologne, completed his doctoral studies at the University of Basel, followed by a postdoctoral fellowship and a postdoctoral degree from the ETH Zurich. The next milestones in his highly accelerated research career were his appointment as professor first at the University of Cologne in 1979, next at the University of Mainz in 1984, and in 1989, as director of the Max Planck Institute for Polymer Research in Mainz where, to this day, he has continued his research as well as robust international collaboration.

Professor Müllen's achievements in the synthesis of molecular and macromolecular chemical compounds of precisely defined structures and physico-chemical properties have made an invaluable contribution to the body of knowledge in many areas of chemistry, physics, advanced materials engineering, and nanotechnology. His research interests have revolved around new methods of synthesis of a large variety of functional materials: graphene and carbon materials; polymers, including conjugated polymers and multidimensional polymers with complex, stable architecture; functional polymer networks, especially for catalytic purposes; dyes and pigments; liquid

crystal materials for electronic and optoelectronic applications; hybrid biosynthetics and nanocomposites.

The scientific accomplishment of Professor Klaus Müllen is immense and includes, *inter alia*, almost 2100 research articles published in prestigious journals as well as more than 70 inventions. He has been involved in dozens of research grants and has collaborated extensively with major companies in various fields of industry. Professor Müllen's status as one of the most prominent and impactful contemporary scientists is further acknowledged by his very high h-index of 171 (according to Google Scholar, accessed 5 July 2021) and more than 140,000 citations of His publications.

The international academic community has expressed its appreciation of Professor Müllen's groundbreaking discoveries on many occasions, including by awarding him nine honorary degrees of doctor honoris causa, nine honorary professorships, as well as an array of prestigious scientific awards. Professor Klaus Müllen is an elected member of nine German, European, and American Academies of Sciences. He is an editor of many highly respected scientific journals and a member of scientific advisory bodies of leading scientific institutions around the world. He is a frequent keynote speaker at major international conferences.

Noteworthy is the Professor's long-standing and highly productive cooperation with Lodz University of Technology, especially with the Faculty of Chemistry. The Max Planck Institute for Polymer Research in Mainz has partnered with the Lodz technical university in many research projects. One of the most important initiatives has been the establishment of the International Centre for Research on Innovative Biomaterials (ICRI-BioM). Professor Klaus Müllen is chairman of the ICRI-BioM International Scientific Committee.