

Biography

Written by Administrator

Friday, 07 March 2008 15:33 - Last Updated Tuesday, 02 June 2009 09:39

Jean Fréchet was born in France and received his first university degree at the Institut de Chimie et Phy



In addition he is a principal investigator in the Materials Science Division of the Lawrence Berkeley National Laboratory, and is the Scientific Director of the Organic and Macromolecular Facility for the Molecular Foundry, Lawrence Berkeley National Laboratory. He has authored about 800 scientific papers and holds over 70 United States patents. His research at the interface of organic and polymer chemistry is in the broad area of nanoscience and nanotechnology, and is directed towards functional macromolecules, their design, synthesis, and applications. Current topics include new synthetic approaches to macromolecules with controlled architecture, engineered polymer systems and molecular machines; the design, synthesis, and applications of dendritic and other functional polymers; novel materials for directed nanoscale patterning and growth; energy harvesting and conversion; organic electronics; bioinspired catalysis with synthetic macromolecules; polymers in separation and molecular recognition; and functional macromolecules for targeted drug delivery, diagnostics, and immunotherapy.