

Prof. Gregory F. Payne
University of Maryland, USA
<http://www.ibbr.umd.edu/profiles/gregory-payne>
gpayne@umd.edu



Prof. Payne has been studying the unique properties of biopolymers for over 20 years. His lab is focused on the general concept of biofabrication – the use of biological materials and mechanisms to confer structure and function to materials. Their aim is to understand how biology creates structure and confers function over a hierarchy of lengths scales, and to enlist these same concepts to build functional materials for technological applications. Over the last 15 years Prof. Payne has been a member of the University of Maryland’s Biochip Collaborative that focuses on biofabricating a functional interface between biology and electronics for applications in biosensing, bioelectronics and energy. His group has published over 150 peer-reviewed journal papers, been awarded 9 US patents, served on the advisory board of numerous international symposia and study sections, and been the recipient of the Bioengineering Department’s Outstanding Teaching Award, and the University of Maryland Regents Award for research, scholarship and creative activity. His group has extensive national and international collaboration and Prof. Payne currently spends 6 months per year in China where he is Guest Professor at Wuhan University and Chair Professor at East China University of Science and Technology.