

Jeffrey J. Gray
Professor
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Jeffrey J. Gray received his B.S.E. in chemical engineering at the University of Michigan and his Ph.D. in chemical engineering at the University of Texas at Austin. He completed post-doctoral training researching protein-protein docking at the University of Washington. In 2002 he joined the Department of Chemical and Biomolecular Engineering at the Johns Hopkins University in Baltimore, Maryland as an Assistant Professor and in 2009 he was promoted to Associate Professor with Tenure. In the Spring of 2013 he was a Visiting Professor at the University of Texas at Austin, and in 2014 he was promoted to Professor.

Jeffrey J. Gray's research focuses on computational protein structure prediction and design, particularly protein-protein docking, therapeutic antibodies, and protein-surface interactions. Gray's lab leads the development of RosettaDock, RosettaAntibody, the ROSIE web server, and the PyRosetta interactive platform for protein structure prediction and design; these tools are used widely by the research community. Gray's lab has produced the most accurate complex structure for several targets in the CAPRI blind protein-protein docking challenge and sub-angstrom antibody binding loop structures in the Antibody Modeling Assessment. Gray's work has been funded by NIH, NSF, DARPA, ACS, the Beckman Foundation, and the UCB pharmaceutical company. As of March 2016, he has authored over 72 papers which have attracted over 4,200 citations. He has supervised 10 post-docs, 20 graduate students, 45 undergraduate students, and several high school students.

Gray has received the Beckman Young Investigator Award, the Johns Hopkins Alumni Association Excellence in Teaching Award, and the National Science Foundation's CAREER Award, and he was named the F. Stuart Hodgson Faculty Scholar. In 2016 he was elected to the College of Fellows of the American Institute of Medical and Biological Engineering (AIMBE). He serves on the editorial board of *Proteins*, on the scientific advisory board of the Rosetta Design Group, and from 2005-2015 he served on the board of directors of the Ingenuity Project. He is a champion of broadening participation in science and engineering, serving as a member of the Johns Hopkins Diversity Leadership Council and as the Diversity Chair of the Rosetta Commons. He is also the Director of the NSF-supported Rosetta Commons Summer Intern Program.

Further information about Prof. Gray and his research group is available at <http://graylab.jhu.edu>.