

Dr. Christine K. Payne



Dr. Payne received a B.S. in Chemistry from the University of Chicago in 1998. Her Ph.D. research at the University of California, Berkeley used ultrafast infrared spectroscopy to examine the solution-phase reactions of organometallic complexes. In 2003, she completed her Ph.D. and began an NIH postdoctoral appointment at Harvard University using fluorescence microscopy to determine the intracellular pathway of gene delivery vectors. In 2007, she began a position as an Assistant Professor of Chemistry and Biochemistry at GA Tech. Dr. Payne's awards include an NIH National Research Service Award (Postdoctoral Fellowship) and an NIH Research Scholar Development Award (2007).

Wendy L. Kelly



Wendy L. Kelly received her B.S. in Pharmacy from Oregon State University, then received an M.S. in Pharmaceutical Sciences from the University of Wisconsin-Madison. She then earned a Ph.D. in Chemistry from Johns Hopkins University before completing a Postdoctoral Fellowship at Harvard Medical School. She has been an Assistant Professor in Chemistry and Biochemistry at the Georgia Institute of Technology since August of 2006.

Among the honors Prof. Kelly has received includes the Camille and Henry Dreyfus New Faculty Award, and NIH postdoctoral fellowship, and the American Foundation for Pharmaceutical Education Gateway Fellowship.

Dr. Kelly's research group is interested in the biosynthesis of polyketide and nonribosomal peptide antibiotics. Her group aims to understand the assembly of central scaffolds appearing in families of metabolites that vary in their biological activity according to unique peripheral modifications. Ultimately, she will apply the information gleaned from these studies to direct the biosynthesis of designer metabolites possessing antimicrobial or anticancer activities.