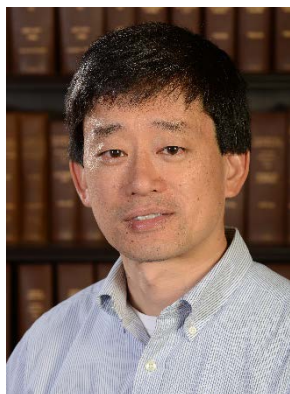


GREGORY C. FU

California Institute of Technology
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Pasadena, California



Title of Lecture: “Nucleophilic Substitution Reactions: A Radical Alternative to S_N1 and S_N2 Reactions”

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Education:

1991 Ph.D., Chemistry, Harvard University

1985 B.S., Chemistry, Massachusetts Institute of Technology

Research and Professional Experience

2016 - present Norman Chandler Professor of Chemistry, California Institute of Technology
2012 - 2016 Altair Professor of Chemistry, California Institute of Technology
2007 - 2012 Firmenich Professor of Chemistry, Massachusetts Institute of Technology
1999 - 2007 Professor of Chemistry, Massachusetts Institute of Technology
1998 - 1999 Associate Professor of Chemistry, Massachusetts Institute of Technology
1993 - 1998 Assistant Professor of Chemistry, Massachusetts Institute of Technology
1991 - 1993 Postdoctoral Fellow, California Institute of Technology

Awards and Honors

2018 H. C. Brown Award for Creative Research in Synthetic Methods, American Chemical Society
2014 Fellow, National Academy of Sciences
2012 Award for Creative Work in Synthetic Organic Chemistry, American Chemical Society
2007 Fellow, American Academy of Arts and Sciences
2007 Catalysis Science Award, Mitsui Chemicals
2006 Mukaiyama Award, Society of Synthetic Organic Chemistry of Japan
2004 Elias J. Corey Award, American Chemical Society
2001 Springer Award in Organometallic Chemistry
2000 School of Science Undergraduate Teaching Prize, Massachusetts Institute of Technology
1998 Arthur C. Cope Scholar Award, American Chemical Society
1997 Camille Dreyfus Teacher-Scholar Award
1997 Alfred P. Sloan Research Fellow
1996 Cottrell Scholar Award, Research Corporation
1995 American Cancer Society Junior Faculty Research Award
1994 National Science Foundation Young Investigator Award
1993 Camille and Henry Dreyfus Foundation New Faculty Award

Research Interests

The current research interests of the Fu laboratory include metal-catalyzed coupling reactions and the design of chiral catalysts. In particular, the group is focused on the development of nickel-catalyzed enantioselective cross-couplings of alkyl electrophiles and on photoinduced, copper-catalyzed carbon-heteroatom bond-forming reactions (collaboration with the laboratory of Prof. Jonas Peters).