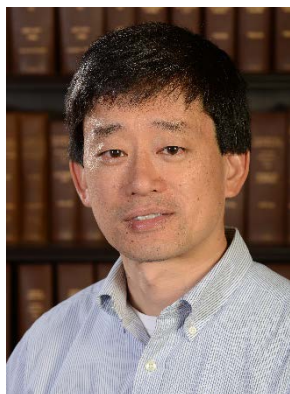


# GREGORY C. FU

California Institute of Technology  
Department of Chemistry and Chemical Engineering  
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 Herbert C. Brown Award, American Chemical Society  
2015 Associated Students of the California Institute of Technology (ASCIT) Teaching Award  
2015 Yamada-Koga Prize  
2014 Member, National Academy of Sciences  
2013 Alexander von Humboldt Research Fellow  
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, MIT  
2000 Chan Memorial Award in Organic Chemistry  
1998 Arthur C. Cope Scholar Award, American Chemical Society  
1997 Camille Dreyfus Teacher-Scholar Award  
1997 Alfred P. Sloan Research Fellow  
1996 Lilly Grantee Award, Eli Lilly  
1996 Cottrell Scholar Award, Research Corporation  
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).