

ARUN K. GHOSH

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Title of Lecture: “*Asymmetric Synthesis of Bioactive Natural Products-
Enabling New Medicinal Potential*”

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Education

1979 B.Sc. Honors, Chemistry, University of Calcutta, India
1981 M.Sc. Chemistry, Indian Institute of Technology, Kanpur
1985 Ph.D./Organic Chemistry, University of Pittsburgh
1988 Post-doctoral Fellow, Harvard University, Cambridge

Professional Experience

2009-Present Ian P. Rothwell Distinguished Professor, Department of Chemistry and Department of Medicinal Chemistry, Purdue University, West Lafayette, IN
2005-2009 Professor, Joint Appointment with Department of Chemistry and Department of Medicinal Chemistry, Purdue University, West Lafayette, IN
2000-2005 Professor, Dept. of Chemistry, University of Illinois at Chicago, Chicago, IL
1997-1999 Associate Professor, Dept. of Chemistry, University of Illinois at Chicago, Chicago, IL
1994-1997 Assistant Professor, Dept. of Chemistry, University of Illinois at Chicago, Chicago, IL
1988-1994 Research Fellow, Merck Research Laboratories, West Point, PA.

Research Interests

Synthetic Organic, Bioorganic, and Medicinal Chemistry: Natural product total synthesis of biologically important molecules; Development of Asymmetric Synthetic methodologies; Design and synthesis of molecular probes for biological systems; Development of Novel Drug Design Concepts; Peptidomimetic Design and Synthesis; Design and development of nonpeptide mimics.

Awards and Honors

Member of the ACS Medicinal Chemistry Division Hall of Fame (2013); The Chemical Research Society of India (CRSI medal) (2012); NIH MERIT Award (2011); IUPAC-Richter Prize in Medicinal Chemistry (2010); American Chemical Society's Arthur C. Cope Senior Scholar Award (2010); Jeananne D. and James B. Chaney Research and Scholarship Achievement Award (2010); Thomson Reuters Award (2010); Novartis Chemistry Lectureship (2010-2011); Ian P. Rothwell Distinguished Professor of Chemistry and Medicinal Chemistry (2009); Distinguished Alumnus Award, Indian Institute of Technology, Kanpur (2009-2010); NIH AIDS Related Study Section Full Member (2009-2013); ACS Robert Scarborough Excellence in Medicinal Chemistry Award (2008); The Seed for Success Award, Purdue University (2006, 2007); Fellow of the American Association for the Advancement of Science (2005); Scientific Advisory Board, Channel Island Alzheimer's Research Institute (2005); Distinguished Faculty Award, University of Illinois (2005); Study Section, Adhoc Member, NIH-B&NP; AIDS, (1999, 2001, 2002, 2007, 2014); Founding Scientist, CoMentis Inc, Oklahoma City (2002); University Scholar, University of Illinois (1998-2001); Silver Circle Teaching Honor (1997); Consultant for Hoechst, Germany (1995-1998); Merck Research Laboratories, Excellence Award (1993); Sigma Xi Scientific Society, Pittsburgh, Research Excellence Award (1985); National Scholar, Ministry of Education, Government of India (1979-1981); K.S Memorial Honorary Medal for Excellence in Chemistry (1979); National Merit Scholar, Government of India (1975 - 1979)

Editorial Commitments

Editorial Advisory Board, ChemMedChem International Advisory Board (2010-present); Editorial Advisory Board, ACS Medicinal Chemistry Letters (2010-present); Journal of Medicinal Chemistry (2010-present); Letters in Drug Design and Discovery (2012-present); Reports in Organic Chemistry (2011-2012); Future Medicinal Chemistry (2008); Virus, Adaptation & Treatment (2008-present).