

RESEARCH SUPERVISED

Post-doctoral Researchers

Surabhi Pandey: Modeling of infectious disease epidemics in India,
(Now at Public Health Foundation of India),

Mar 2013 - Sep 2014

Undergraduate Research

<u>Name</u>	<u>Research Topic</u>	<u>Student Institution</u>	<u>Dates</u>
Anuraag Bukkuri	Modeling Vitamin C uptake in Neutrophils	Dartmouth College	2018
Naveen Kumar	A mathematical model for eradication of Guinea worm disease	Centre of Excellence in Basic Sciences, Bombay	Jun 2013
Ankit Jain	A mathematical model for eradication of Guinea worm disease	University of Bombay	May 2013
Nishant Aggarwal	0-1 Knapsack problem (exhibit for MPE2013)	Indian Institute of Science Education & Research (IISER), Mohali	Jun–Jul 2013
Polala Arun Reddy	0-1 Knapsack problem (exhibit for MPE2013)	Indian Statistical Institute, Bangalore	May–Jun 2013
Shubham Dipt	De-constructing CML models	IISER, Kolkata, (Now at Max Planck)	May–Jun 2010
Prashanna Balaji	De-constructing CML models	National Institute of Technology (NIT), Bhopal	May–Jun 2010
Arpit Dua	Modeling effects of aneuploidy on tumors	Indian Institute of Technology (IIT), Roorkee (Now at UC Berkeley)	Jul 2010; Dec 2011
Swapnil Kumar	Modeling options pricing and stochastic volatility	IIT, Delhi	May–Jun 2008 and May 2009
Abhinav Srivastav	Modeling of stochastic volatility	IIT, Kharagpur	May–Jun 2008
Prabhat Kumar	Modeling insulin-glucose dynamics in the human body	IIT, Kharagpur	May–Jun 2008
Ravi Thanvi	Numerical models for options pricing	IIT, Kharagpur	May–Jun 2007
Tirupam Goel	Numerical models for options pricing	IIT, Kanpur (Now at Cornell)	May–Jun 2007
Abinash Pati	Independent study in mathematical finance	IIT, Kharagpur	May–Jun 2007
Sourav Padhy	Model of neuron using cable equations	IIT, Kharagpur	May–Jun 2006
Rachel Upton	Financial derivatives	University of Tennessee, Knoxville	May–Jun 2004

Master's Thesis Supervised

<u>Name</u>	<u>Research Topic</u>	<u>Student Institution</u>	<u>Dates</u>
Swapnil Kumar	Stochastic volatility modeling – an empirical comparison	IIT, Delhi, (Now at Delhi Integrated Multi Modal Transit System)	Aug 2009 –Apr 2010
Chandan Shikhar Dua	Stochastic volatility modeling, calibration of the Heston model	IIT, Delhi (Now at Facebook)	Aug 2009 –Apr 2010

Junior Research Fellows

<u>Name</u>	<u>Research Topic</u>	<u>Student Institution</u>	<u>Dates</u>
Yash Vyas	Uncertainty Analysis for a TB Model	TIFR, CAM, (Now at Stanford)	Aug 2014–Feb 2015
Sushovan Majhi	Numerical codes and statistical techniques for models in mathematical biology	TIFR, CAM (under Glue Grant project from DBT), (Now at Tulane)	Aug 2011–Dec 2013
Rahuman Sheriff	Wet lab experiments and mathematical models for chronic myelogenous leukemia (CML)	National Centre for Biological Sciences (NCBS)(PhD Max Planck, Now at European Bioinformatics Institute)	Aug 2009 –Apr 2010
Ratna Sinroja	Heston's stochastic volatility model	University of Bombay, (Now at UC Berkeley)	Mar 2008 –Jun 2009
Sarath Sasi	Helicopter rotor balancing (Industry project)	TIFR, CAM, (Now Faculty at IIT, Trivandrum, India)	Jul 2006 –May 2008