

## Australia-India Early Career Fellowships 2012-2013

16 leading Australian early career researchers have been awarded scientific grants to undertake important research under the Australia-India Early Career Fellowships 2012-2013.

The program supports Australian early career researchers from the public, not-for-profit and commercial sectors to support research and initiate or consolidate collaboration with leading-edge Indian host organisations.

The Fellowships are supported by the Australia-India Strategic Research Fund (AISRF), a platform for bilateral collaboration in science jointly managed and funded by the governments of Australia and India ([www.innovation.gov.au/science/internationalcollaboration/aisrf/Pages/default.aspx](http://www.innovation.gov.au/science/internationalcollaboration/aisrf/Pages/default.aspx)).

Researcher	Project	Host Institution(s)
Dr Naveen Chilamkurti La Trobe University	Video communication in Intelligent Transport Systems (ITS) for on-road Infotainment using 4G communications (LTE).	Rama Garimella International Institute of Information Technology  Dr Aditya Jagannatham Indian Institute of Technology Kanpur
Dr Nishar Hameed Deakin University	Novel nanostructured cellulose materials.	Professor Giridhar Madras Indian Institute of Science Professor Thalappil Pradeep Indian Institute of Technology Madras
Dr Natasha Howard University of South Australia	Development of a comparative framework for a place-health research agenda between Australia and India.	Professor Narendra Arora The INCLEN Trust International
Dr Santosh Jatrana Deakin University	Brain drain there, brain gain here: Understanding the health impact, regulation and health policy implications of health workforce imbalance in India.	Professor Binod Khadaria Jawaharlal Nehru University  Professor Sanjay Zodpey Public Health Foundation of India
Dr Manickam Minakshi Murdoch University	Looking Beyond Lithium Technology – Sodium ion based energy storage batteries for stationary applications: Non-ceramic synthetic approach to advanced cathode materials.	Associate Professor Deepa Khushalani Tata Institute of Fundamental Research  Dr Nookala Munichandraiah Indian Institute of Science
Dr Suchithra Naish Queensland University of Technology	Climate change impacts on dengue fever transmission.	Professor Suryanarayana Upadyayula Indian Institute of Chemical Technology

Dr Edward Narayan Griffith University	Impacts on climate change and infectious disease on eco-physiological response and survival of native amphibians of India.	Dr Narahari Gramapurohit University of Pune
Dr Saparna Pai University of Sydney	Curcumin-loaded liposomes as a novel immunotherapeutic agent for the treatment of Cerebral Malaria.	Professor Virander Chauhan International Centre for Genetic Engineering and Biotechnology
Dr Sridhar Poosapadi Arjunan RMIT University	Pattern recognition of Electromyogram (EMG) data for better assertive technology and for understanding human muscle control: towards intelligent prosthetic hand.	Professor Jayadeva Jayadeva Indian Institute of Technology Delhi
Dr Md. Mizanur Rahman University of South Australia	Instability behaviour of sandy soils and modeling.	Professor T. G. Sitharam Indian Institute of Science
Dr Rangam Rajkhowa Deakin University	Advanced materials from wild silk protein.	Associate Professor Uptal Bora Indian Institute of Technology Guwahati
Dr Vidiya Ramachandran University of Wollongong	Determining the role of "nephritogenic" S.pyogenes strains and streptococcal protein(s) associated with Acute Post Streptococcal Glomerulonephritis (APSGN).	Professor Mohan Karmarkar Seth G S Medical College and KEM Hospital
Dr Abirami Ramalingam Swinburne University of Technology	Validation of drought tolerance related genes in chickpea.	Dr Rajeev Varshney International Crops Research Institute for the Semi-Arid Tropics
Dr Jyothsna Rao Prince Henry's Institute of Medical Research	Australia-India research collaboration will expedite diagnostic research on ovarian cancer.	Dr Somashekhar SP Manipal Hospital
Dr Camille Raynes-Greenow University of Sydney	Reducing perinatal morbidity and mortality associated with indoor air pollution from traditional cookstoves.	Professor Archana Patel Lata Medical Research Foundation
Dr Birenda Singh CSIRO	Investigations on Organic Solar Cell devices to achieve long life times.	Associate Professor Ashish Garg Indian Institute of Technology Kanpur