

Australia-India Senior Visiting Fellowships 2012-2013

33 leading Australian senior researchers have been awarded scientific grants to undertake important research under the Australia-India Senior Visiting Fellowships 2012-2013.

The program supports Australian senior researchers from the public, not-for-profit and commercial sectors to facilitate targeted research collaboration, short visiting lectureships and networking activities.

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).

Researcher	Project	Host Institution(s)
Professor Kamal Alameh Edith Cowan University	Material science and nanotechnology to design and develop biosensors for medical applications.	Professor P. H. Pawar D. Y. Patil University
Associate Professor Jayashree Arcot University of New South Wales	Research collaboration, networking and lectureship in the area of nutrient absorption using in vitro cell culture techniques.	Professor R. B. Narayanan Anna University
Associate Professor Paul Baird University of Melbourne	Identification of risk factors for age-related eye diseases important in India and Australia.	Dr Subhabrata Chakrabarti L V Prasad Eye Institute
Professor Claude Bernard Monash University	Targeted nanomedicine as a novel approach to treat autoimmune diseases.	Professor Shantikumar Nair Amrita University
Professor Suresh Bhargava RMIT University	Mercury emissions monitoring and mitigation: online sensing and catalytic oxidation of mercury for cleaner industrial processes.	Dr Rajiv Kumar Tata Chemicals Ltd Dr Benjaram Reedy Indian Institute of Chemical Technology
Associate Professor Chris Blanchard Charles Sturt University	Building links between Australia and Indian Pulse industries.	Mrs Darly Thomas Central Food Technological Research Institute
Professor Marc Cohen RMIT University	Environmental toxins, lifestyle, genetics and health and an evaluation of Ayurvedic detox practices to remove environmental toxins and improve health in patients with chronic disease.	Professor Bhushan Patwardhan Symbiosis International University Professor Dr Prabhakar Ranjekar Bharati Vidyapeeth Deemed University

Professor Maxwell Crossley, FAA University of Sydney	Merging Australian and Indian chemistry: Synthesis of porphyrin-carbohydrate and porphyrin-bidyridyl hybrids for drug discovery and the establishment of a joint chemistry research network.	Dr Lallal Mishra and Dr Vinod Tiwari Banaras Hindu University
Professor Michael Dopita, FAA Australian National University	The energy source of active galaxies.	Professor Prajval Shastri Indian Institute of Astrophysics
Associate Professor Roberto Ferrez- Weinberg Monash University	Geological and contemporary deformation in the Higher Darjiiling-Sikkim Himalaya: understanding the link between geological history and seismic hazard.	Professor Malay Mukul Indian Institute of Technology Bombay
Professor Sanjay Garg University of South Australia	Scientific collaboration in development of novel multi-prevention technologies for HIV/AIDS, Sexually Transmitted Infections and Conception.	Dr Nomita Chandhoik Indian Council of Medical Research
Dr Reena Ghildyal University of Canberra	Elucidating the nuclear transport mechanisms in Entamoeba histolytica.	Professor Alok Battacharya Jawaharlal Nehru University
Dr Dharmappa Hagare University of Western Sydney	Strengthening the collaboration between the University of Western Sydney and Indian Institute of Science, Bangalore.	Professor Mohan Kumar Indian Institute of Science
Professor Richard Harvey, FAA Victor Chang Cardiac Research Institute	Endogenous cardiac stem cells and prospects for augmented cardiac regeneration.	Professor Jyotsna Dhawan National Centre for Biological Sciences Dr Rakesh Mishra Centre for Cellular and Molecular Biology
Professor Xu Huang University of Canberra	An empirical study of Elliptical Curve Cryptography (ECC) for secured satellite communication.	Professor Pritam Shah Sir Venketeshwara College of Engineering
Dr Markandeya Jois La Trobe University	Prevention and treatment of obesity, hypertension and diabetes by herbs, spices and medicinal plants.	Professor Ramanijini Gowda University of Agricultural Sciences Subba V Madhunapantula JSS University
Professor Saulius Juodkazis Swinburne University of Technology	Nano-textured surfaces for sensing and light harvesting.	Dr Mukesh Ranjan Institute for Plasma Research Professor Deepak Mathur Tata Institute of Fundamental Research
Professor Peter Koopman, FAA University of Queensland	Sex determination in vertebrates: exceptions that prove the rule.	Professor Rajava Raman Banaras Hindu University
Professor Dinesh Kumar RMIT University	Automatic retinal images analysis for diabetic retinopathy.	Professor Jayadeva Jayadeva Indian Institute of Technology Delhi
Dr Kuntala Lahiri-Dutt Australian National University	Towards new analytical studies of resource for 21st century.	Professor Srikumar Chattopadhyay Centre for Earth Science Studies

Dr Richard Lai La Trobe University	Devising correct specifications for global software development projects for offshore developers.	Professor Lalchandani Kayprakash International Institute of Information Technology Professor Parmod Kapur Amity University Professor Rajib Mall Indian Institute of Technology Kharagpur
Professor Jiuyong Li University of South Australia	Confidential document sharing by automatic document sanitization.	Dr Mukesh Nohania IBM India
Associate Professor Chee Lim Deakin University	Computational intelligence models and their application to data analysis.	Professor P Balasubramaniam Gandhigram Rural Institute
Professor Suresh Mahalingam Griffith University	Integrative approaches to combating Chiyungunya Chronic Disease.	Professor Shobha Broor All India Institute of Medical Sciences Professor Udaykumar Ranga Jawaharlal Nehru Centre for Advanced Science Research
Professor Ross McKenzie University of Queensland	A simple model for hydrogen bonding.	Professor Elangannan Arunan Indian Institute of Science
Dr Jawahar Patil University of Tasmania	Control and production of an alien species of fish: bridging the environmental and economic dichotomy through genetic approaches.	Professor Y Basavaraju Karnataka Veterinary, Animal and Fisheries Sciences University Dr B Senthikumar University of Hyderabad
Professor Robert Pressey, FAA James Cook University	Reconciling biodiversity conservation and livelihoods in India.	Professor Kamaljit Bawa Ashoka Trust for Research in Ecology and the Environment Assistant Professor Kartik Shankar Indian Institute of Science
Dr Ravi Tiwari Murdoch University	Understanding signal transduction systems in symbiotic root nodule bacteria to interact with their host and the environment.	Professor H Gehlot Jai Narain Vyas University Professor Sandhya Visweswariah Indian Institute of Science
Professor Vijay Varadharajan Macquarie University	Trust enhanced security techniques for data storage in Cloud.	Professor K Gopinath Indian Institute of Science
Professor Emanuele Viterbo Monash University	Wireless network coding: practical lattice code constructions.	Professor B. Sundar Rajan Indian Institute of Science
Professor Cuie Wen Swinburne University of Technology	Research on physical and mechanical properties of advanced nanostructured materials.	Professor Vijay Srivastava Banaras Hindu University
Professor Mark Willcox University of New South Wales	Assessment of the contribution of genetic factors to corneal infection.	Dr Subhabrata Chakrabarti L V Prasad Eye Institute
Associate Professor Stephan Winter University of Melbourne	Smart interaction for Wayfinding Support.	Professor Amithaba Mukerjee Indian Institute of Technology Kanpur

