

S.No.	Project No	Domain	Title of the project	Indian PI First Name	Indian PI Last Name	Indian Institution	Indian City	French PI First Name	French PI last Name	French Institution	French City
1	5004-1	Pure and Applied Physics	Advanced Computational Models to Facilitate Solar Activity and Space Weather Predictions	Dr. Dibyendu	Nandi	Indian Institute of Science Education and Research, Kolkata	Mohanpur	Dr. Laurène	JOUVE	Institut de Recherches en Astrophysique et Planétologie	Toulouse
2	5103-1	Life and Health Sciences	The Immuno-Psychiatry in South India Study (IPS): Immunogenetic and Immuno-phenotype Characterization of Major Psychoses	Dr. Vir Singh	Negi	Department of Clinical Immunology	Pondicherry	Dr. Ryad	Tamouza	INSERM U 942, Saint Louis Hospital	Paris
3	5103-2	Life and Health Sciences	Olfactory Modulation of Insect Flight	Prof. Gaiti	Hasan	National Centre for Biological Sciences	Bangalore	Dr Jean-François	Ferveur	(CSGA) UMR-CNRS6265/INRA13 24/ Centre des Sciences du Goût et de l'Alimentation	Dijon
4	5103-3	Life and Health Sciences	Genome-scale analysis of differential propensities of different chromosomal domains for horizontal gene insertion in <i>Escherichia coli</i>	Aswin Sai Narain	Seshasayee	National Centre for Biological Sciences	Bangalore	Marco Cosentino	Lagomarsino	UMR 7238 CNRS, University Pierre and Marie Curie	Paris
5	5104-2	Pure and Applied Physics	SELF-SIMILAR OPTICAL PATTERNS IN NONLINEAR MEDIA	Prof. K.	Porsezian	Department of Physics	Pondicherry	Prof. Ph.	Grelu	UMR 6303 CNRS, Université de Bourgogne	Dijon Cedex
6	5105-2	Pure and Applied Chemistry	Molybdenum-containing enzymes: bioinspired peptidic catalysts for CO2 reduction	Surajit	SINHA	Indian Association for Cultivation of Science IACS	Kolkata	REGLIER	Marius	Aix-Marseille Université, ISM2 UMR CNRS	Marseille Cedex
7	5105-4	Pure and Applied Chemistry	sp3 C-H Bond Activation with Ruthenium(II) Catalysts: Application to the Synthesis of Aliphatic N-Heterocyclic Natural Products	Dr. G. V. M.	Sharma	CSIR-Indian Institute of Chemical Technology	Hyderabad	Dr. Christian	Bruneau	Université de Rennes 1	Rennes
8	5203-2	Life and Health Sciences	Insights on protein structural and evolutionary dynamics	Prof. Narayanaswamy	Srinivasan	Indian Institute of Science	Bangalore	Dr. G Alexandre de	Brevern	Université Paris Diderot	Paris
9	5203-3	Life and Health Sciences	Host-Virus Interactions and Antibody Therapy for Japanese Encephalitis	Dr Manjula	Kalia	Translational Health Science and Technology Institute	Gurgaon	Dr Sebastien	Lacroix-Desmazes	INSERM	Paris
10	5203-4	Life and Health	Novel inhibitors of NHEJ against resistant tumour	Dr. Sathees C.	Raghavan	Indian Institute of Science	Bangalore	Dr.Jean-Baptiste	CHARBONNIER	CEA Saclay	Gif-s-Yvette Cedex

		Sciences	cells								
11	5203-5	Life and Health Sciences	Characterisation of factors that determine the balance between genomic integrity and diversity in <i>Helicobacter pylori</i>	Dr. Desirazu Narasimha	Rao	Indian Institute of Science	Bangalore	Dr J. Pablo	Radicella	CEA-Fontenay aux Roses	Fontenay aux Roses
12	5204-1	Pure and Applied Physics	Monomode and multimode phase sensitive amplification and light storage	Dr.Rupamanjari	GHOSH	Shiv Nadar University	Greater Noida	Dr.Fabien	Bretenaker	Laboratoire Aimé Cotton-CNRS	Saint-Genis-Laval Cedex
13	5204-2	Pure and Applied Physics	Radio properties of clusters and galaxy lenses	Prof. Joydeep	Bagchi	Inter University Centre for Astronomy and Astrophysics	pune	Dr.Bruno	Guiderdoni	Observatoire de Lyon- CRAL	Saint Genis Laval Cedex
14	5204-3	Pure and Applied Physics	MODELLING PLASMA INSTABILITIES AND TRANSPORT IN A HALL THRUSTER	Prof.HITENDR A KUMAR	MALIK	INDIAN INSTITUTE OF TECHNOLOGY (IIT) DELHI	Delhi	Prof. Yves	Elskens	UMR 7345 du CNRS / Aix Marseille Université	Marseille
15	5204-4	Pure and Applied Physics	Holography and its Applications	Prof.Sandip	Trivedi	Tata Institute of Fundamental Research	mumbai	Dr. Nick	Halmagyi	UPMC, Sorbonne Universités	Paris Cedex 05
16	5208-1	Material Sciences	Plasticity of covalent nanoparticles	Prof. Umesh V.	Waghmare	Indian Institute of Science	Bangalore	Dr. Laurent	Pizzagalli	CNRS-University of Poitiers-IAE ENSMA	Futuroscope
17	5208-2	Material Sciences	Novel nanocatalysts synthesis guided by DNP NMR	Prof.Vivek	Polshettiwar	Tata Institute of Fundamental Research	mumbai	Prof. Olivier	Lafon	CNRS UMR, Université of Lille 1	Villeneuve d'Ascq Cedex
18	5302-1	Computer and Information Sciences & Materials Science	Large-Scale Loss-based Learning via Energy Minimization	Prof. C. V.	Jawahar	International Institute of Information Technology Hyderabad	Hyderabad	Prof. Cordelia	Schmid	INRIA Grenoble Rhone-Alpes	Grenoble
19	5303-1	Life and Health Sciences	Deciphering the role of <i>Mycobacterium tuberculosis</i> Serine/Threonine protein phosphatase <i>PstP</i>	Dr. Vinay Kumar	Nandicoori	National Institute of Immunology	New Delhi	Dr. Virginie	Molle	Université Montpellier 2,	Place Eugène Bataillon
20	5303-2	Life and Health Sciences	Original biocompatible phosphorus dendrimers as a new strategy to tackle pulmonary tuberculosis	Prof. Kishore K	Srivastva	CSIR-Central Drug Research Institute	Lucknow	Dr. Anne-Marie	Caminade	Laboratoire de Chimie de Coordination	Toulouse
21	5304-1	Pure and applied physics	Theoretical studies on ultra-cold Dipolar Gases	Prof. Rejish	Nath	Indian Institute of Science Education and Research Pune	Pune	Prof. Paolo	Pedri	Laboratoire de Physique des Lasers	VILLETANEUSE

22	<b>5304-2</b>	Pure and Applied Physics	Symmetries and dynamics: worldsheet and spacetime	<b>Prof. Debashis</b>	<b>Ghoshal</b>	Jawaharlal Nehru University	New Delhi	<b>Prof. Ruben</b>	<b>Minasian</b>	Institut de Physique Théorique	Gif-sur-Yvette
23	<b>5304-3</b>	Pure and Applied Physics	Quantum transport in 2D van der Waals heterostructures based on graphene and Boron Nitride	<b>Dr. Aavek</b>	<b>Bid</b>	Indian Institute of Science, Bangalore	Bangalore	<b>Dr. Vincent</b>	<b>Bouchiat</b>	Neel Institute	Grenoble
24	<b>5305-1</b>	Pure and applied Chemistry	Axially chiral biaryls from C-H activation & radicals	<b>Dr. K Rajender</b>	<b>Reddy</b>	Indian Institute of Chemical Technology Tarnaka	Hyderabad	<b>Dr. Françoise</b>	<b>Colobert</b>	Université de Strasbourg, UMR 7509/CNRS/ECP M	Strasbourg
25	<b>5307-1</b>	Earth and Planetary Sciences	Advanced time-domain integration schemes for the simulation of Earth and planetary core dynamics	<b>Prof. Binod</b>	<b>Sreenivasan</b>	Indian Institute of Science	Bangalore	<b>Dr. Alexandre</b>	<b>Fournier</b>	Institut de Physique du Globe	Paris
26	<b>5308-1</b>	Material Sciences	Magnetism of self-organized structures at surfaces	<b>Dr. Shobhana</b>	<b>Narasimhan</b>	Jawaharlal Nehru Centre for Advanced Scientific Research Jakkur	Bangalore	<b>Dr. Sylvie C</b>	<b>Rousset</b>	Université Paris Diderot – Paris 7	Paris
27	<b>5300-B1</b>	Biotechnology	A comparative Systems Biology Approach for Understanding Desiccation Tolerance in Forage Grasses and Selaginella sps.	<b>Dr. R.G.</b>	<b>Sharathchandra</b>	Centre for Bioinformatics	Tumkur	<b>Dr. Azeddine</b>	<b>Driouich</b>	Université de Rouen	Mont Saint-Aignan
28	<b>5401-1</b>	Pure and Applied Mathematics	Sums of integers: Fourier, combinatorics, computation	<b>Prof. Balasubramanian</b>	<b>Ramachandran</b>	The Institute Of Mathematical Sciences	Chennai	<b>Prof. Jean-Marc</b>	<b>Deshouillers</b>	Institut Mathématique de Bordeaux	Bordeaux
29	<b>5403-1</b>	Life and Health Sciences	Pathogenic Aspergillus: Interaction with innate immune cells	<b>Dr. Lalitha</b>	<b>Prajna</b>	Aravind Medical Research Foundation	Madurai	<b>Prof. Jean-Paul</b>	<b>Latgé</b>	Institut Pasteur	Paris
30	<b>5404-1</b>	Pure and Applied Physics	LORIC: Long-Range Interactions in ultraCold gases	<b>Prof. Sadiqali Abbas</b>	<b>Rangwala</b>	Raman Research Institute	Bangalore	<b>Dr. Olivier</b>	<b>Dulieu</b>	Laboratoire Aimé Cotton	Paris
31	<b>5404-2</b>	Pure and Applied Physics	Glimpses of New Physics	<b>Prof. Gautam</b>	<b>Bhattacharyya</b>	Saha Institute of Nuclear Physics	Kolkata	<b>Dr. Emilian</b>	<b>Dudas</b>	Ecole Polytechnique	Palaiseau
32	<b>5405-1</b>	Pure and Applied Chemistry	H2 evolution: cheap catalysts for noble task	<b>Prof. Abhishek</b>	<b>Dey</b>	Indian Association For The Cultivation Of Science	Kolkata	<b>Dr. Vincent</b>	<b>Artero</b>	CEA Centre De Grenoble	Grenoble
33	<b>5408-1</b>	Material Sciences	Understanding mechanical size effects in metallic	<b>Prof. Atul</b>	<b>Chokshi</b>	Indian Institute Of Science	Bangalore	<b>Prof. Ludovic</b>	<b>Thilly</b>	Université De Poitiers	Futuroscope

			micro-wires: synergy between experiments and simulation								
34	5409-1	Environmental Sciences	CHROMITE: Assessment of Chromium Release from Sukinda Mining Overburden: an IsoTopic, chemical, physical and microbiological study	Prof. S. Subramanian	Indian Institute Of Science	Bangalore	Dr. Yann	Sivry	Institut De Physique Du Globe De Paris	Paris	
35	5503-1	Life and Health Sciences	Elucidation of conserved molecular signatures and regulators for blood cell progenitor maintenance	Prof. Maneesha S	Inamdar	Jawaharlal Nehru Centre for Advanced Scientific Research	Bangalore	Dr Lucas	Waltzer	Centre de Biologie du Développement	Toulouse
36	5503-2	Life and Health Sciences	Molecular analysis of a capacitor Hox protein motif	Prof. L S	Shashidhara	Indian Institute of Science Education and Research	Pune	Dr. Samir	Merabet	ENS-Lyon CNRS/UMR5242,	Lyon
37	5504-1	Pure and Applied Physics	Wavelet Graphs for Gravitational Wave Searches	Dr. Archana Arun	Pai	Indian Institute of Technology	Mumbai	Dr. Eric	Chassande-Mottin	University Paris Diderot	Paris
38	5504-2	Pure and Applied Physics	Cosmological evolution of the cold gas from quasar absorption lines	Prof. Neeraj	GUPTA	Inter-University Center for Astronomy and Astrophysics	Pune	Dr. Pasquier	Noterdaeme	Institut d'Astrophysique de Paris	Dijon
39	5504-3	Pure and Applied Physics	Electrical addressing and control of the plasmonic properties of coupled metal nanowire	Prof G.V. Pavan	Kumar	Indian Institute of Science Education and Research,	Pune	Dr. Alexandre	Bouhelier	Université de Bourgogne	Mont st. Aignan
40	5505-1	Pure and applied Chemistry	N-Heterocyclic Carbene (NHC)-Organocatalyzed Enantioselective Trifluoromethylation and Trifluoromethylthiolation of Unactivated C-H Bonds	Dr. Akkattu T	Biju	Indian Institute of Science	Bangalore	Dr. Tatiana	BESSET	Université de Rouen	Gif Sur Yvette
41	5505-2	Pure and applied Chemistry	Chiral Phosphahelicenes in Gold(I) Enantioselective Catalysis	Prof. Akhil Kumar	Sahoo	University of Hyderabad	Hyderabad	Dr. Angela	Marinetti	Institut De Chimie Des Substances Naturelles (ICSN), UPR2301	
42	5601-1	Pure And Applied Mathematics	p-adic aspects of automorphic forms and their L-functions	Prof. Anantharam	Raguram	Indian Institute Science Education And Research	Pune	Mr. Mladen	Dimitrov	CNRS / University Lille 1	Villeneuve d'Ascq
43	5603-1	Life And Health Sciences	Functional genomics of glioblastoma: from epigenetics to proteomic investigation of tumor initiating cell secretome	Dr. Kumaravel	Somasundaram	Indian Institute Of Science	Bangalore	Dr. Philippe	Marin	Institut de Génomique Fonctionnelle	Montpellier
44	5604-1	Pure And	Modeling Soft Glassy Flow	Dr. Pinaki	Chaudhuri	Institute of	Taramani,	Dr. Kirsten	Martens	Laboratoire	Grenoble

		Applied Physics	from Micro to Macro Scale			Mathematical Sciences				Interdisciplinaire de Physique	
45	5604-2	Pure And Applied Physics	Extreme events and large deviations in strongly correlated many body systems	Prof. Abhishek	Dhar	International Centre For Theoretical Sciences	Bangalore	Dr. Gregory	Schehr	(LPTMS) Université Paris-Sud	Strasbourg
46	5604-3	Pure And Applied Physics	Interplay between MgO oxygen vacancies and tunnelling spin transfer torque	Dr. Pranaba	Kishor Muduli	Indian Institute Of Technology	New Delhi	Dr. Martin	Oliver Bowen	Institut of Physics and Chemistry of Strasbourg	Grenoble
47	5604-4	Pure And Applied Physics	Nuclear structure at the extreme of isospin and spin.	Dr. Sarmishtha	Bhattacharyya	Variable Energy Cyclotron Center,	Kolkata	Dr. Navin	Alahari	GANIL	Saint Martin d'Hères
48	5605-1	Pure And Applied Chemistry	Metal chelators derived from imidazole thiones and selones for detoxification	Dr. Gouriprasanna	Roy	Shiv Nadar University	Uttar Pradesh	Dr. Pascale	Delangle	CEA Centre de Grenoble	Grenoble
49	5607-1	Earth And Planetary Sciences	Impact of the Indian Monsoon convection on the Tropical Tropopause Layer and climate	Prof. Kesavapillai	Mohanakumar	Cochin University Of Science & Technology	Ernakulam	Dr. Bernard	Legras	Ecole Normale Supérieure	Montpellier
50	5608-1	Material Sciences	Biodegradable core shell electrospun mats and interconnected porous scaffolds for anticancer drug delivery and tissue engineering application	Prof. Narayana	S Kalkura	Anna University	Chennai	Dr. Mikhael	Bechelany	European Institute Of Membranes de Montpellier	Paris cedex 05
51	5608-2	Material Sciences	Studies on the Topological Insulator Behaviour in Heavy Metal based Ternary Chalcogenides	Dr. Sebastian Chirambatte	Peter	Jawaharlal Nehru Centre For Advanced Scientific Research	Bangalore	Dr. Marie-Aude	Measson	Neel Institute	Grenoble
52	5702-1	Computational Sciences	The Economics of Networks and Queues	Prof. Manjesh Kumar	Hanawal	Indian Institute of Technology, Bombay	Mumbai	Dr. Yezekael	Hayel	Université d'Avignon	Orsay Cedex
53	5703-1	Life And Health Sciences	Control of microtubule dynamic instability by the tubulin code	Dr. Minhaj	Sirajuddin	Institute for Stem Cell Biology and Regenerative Medicine	Bangalore	Mr. Carsten	Janke	Institut Curie	Paris
54	5703-2	Life And Health Sciences	A genome-wide study to identify novel regulators of chromosome stability using a human pathogenic yeast <i>Candida albicans</i> as the model system	Prof. Kaustuv	Sanyal	Jawaharlal Nehru Centre For Advanced Scientific Research	Bangalore	Dr. Christophe D'Enfert	D'Enfert	Institut Pasteur	Paris Xi

55	<b>5704-1</b>	Pure And Applied Physics	Yielding in glasses and colloidal systems under cyclic deformation	<b>Prof. Srikanth</b>	<b>Sastry</b>	Jawaharlal Nehru Centre For Advanced Scientific Research	Bangalore	<b>Prof. Giuseppe</b>	<b>Foffi</b>	Université Paris Sud	Britanny
56	<b>5705-1</b>	Pure And Applied Chemistry	Bifunctional Catalysts for Cooperative C-H Bond Cleavage via Intramolecular Deprotonation Toward Direct Functionalizations of Alkanes	<b>Prof. Jitendra Kumar</b>	<b>Bera</b>	Indian Institute of Technology	Kanpur	<b>Dr. Henri</b>	<b>Doucet</b>	Université De Rennes 1	Marvig
57	<b>5708-1</b>	Material Sciences	DURABLE FUEL CELLS BASED ON POLYMER COATED NANOCARBON COMPOSITES (DUPONT)	<b>Prof. Ramaprabhu</b>	<b>Sundara</b>	Indian Institute of Technology	Chennai	<b>Prof. Wolfgang</b>	<b>Basca</b>	Centre D'Élaboration De Matériaux Et D'Études Structurales	
58	<b>5801-1</b>	Pure And Applied Mathematics	Interactions between dynamical systems, geometry, and number theory	<b>Dr. Anish</b>	<b>Ghosh</b>	TIFR	Mumbai	<b>Prof. Arnaldo</b>	<b>Nogueira</b>	Institut De Mathématique de Marseille	Marseille
59	<b>5803-1</b>	Life And Health Sciences	Mechanism of polarity reversals in Myxococcus xanthus	<b>Dr. Gayathri</b>	<b>Pananghat</b>	IISER	Pune	<b>Dr. Tam</b>	<b>Mignot</b>	Laboratoire de chimie bactérienne, CNRS	Marseille
60	<b>5803-2</b>	Life And Health Sciences	Directing the ballet of Meiotic chromosomes: regulation of Separase and control of Monopolar Kinetochore orientation	<b>Dr. Imran</b>	<b>Siddiqi</b>	Centre for Cellular & Molecular Biology	Hyderabad	<b>Mr. Raphael</b>	<b>Mercier</b>	INRA Plant Biology and Breeding	Versailles
61	<b>5804-1</b>	Pure And Applied Physics	The assembly history of disk galaxies over the last 8 billion years	<b>Dr. Kanak</b>	<b>Saha</b>	Inter University Center For Astronomy & Astrophysics	Pune	<b>Prof. Françoise</b>	<b>Combes</b>	Observatoire de Paris	Paris
62	<b>5804-2</b>	Pure And Applied Physics	Micro-SQUID magnetometry of nano-scale magnetic structures	<b>Dr. Anjan Kumar</b>	<b>Gupta</b>	IIT, Kanpur	Kanpur	<b>Prof. Hervé</b>	<b>Courtois</b>	Université Joseph Fourier	Grenoble
63	<b>5804-3</b>	Pure And Applied Physics	Phase transitions in sub-saturation nuclear matter and applications to core-collapse supernova and nuclear experiments	<b>Dr. Gargi</b>	<b>Chaudhuri</b>	Variable Energy Cyclotron Centre	Kolkata	<b>Prof. Francesca</b>	<b>Gulminelli</b>	LPC/ENSICAEN	Caen
64	<b>5805-1</b>	Pure And Applied Chemistry	Novel Chiral First row Transition Complexes for Asymmetric Catalysis via Activation of inert C-H and	<b>Prof. Basker</b>	<b>Sundararaju</b>	IIT, Kanpur	Kanpur	<b>Prof. Rinaldo</b>	<b>poli</b>	Laboratoire De Chimie De Coordination (LCC),	Toulouse

			C-Heteroatom bonds								
65	<b>5808-1</b>	Material Sciences	Tuning the interfacial Dzyaloshinskii-Moriya interaction in ultrathin magnetic films: toward the stabilization of skyrmions in spintronics devices	<b>Prof. Subhankar</b>	<b>Bedanta</b>	National Institute Of Science Education And Research	Bhubaneswar	<b>Dr. Stanislas</b>	<b>Rohart</b>	Université Paris-Sud	Orsay Cedex
66	<b>5902-1</b>	Computational Sciences	NOVIS60: Non-contact vital sign estimation with 60 GHz radar technology	<b>Prof. Jayanta</b>	<b>Mukherjee</b>	Indian Institute of Technology	Mumbai	<b>Dr. Julien</b>	<b>Sarrazin</b>	UPMC – University Pierre and Marie Curie	Paris Cedex
67	<b>5903-E</b>	Life And Health Sciences	Hematopoiesis and metabolism	<b>Dr. Tina</b>	<b>Mukherjee</b>	Institute for Stem Cell Biology and Regenerative Medicine	Bangalore	<b>Dr. Angela</b>	<b>Giangrande</b>	Institut de Génétique et de Biologie Moléculaire et Cellulaire	Strasbourg
68	<b>5904-1</b>	Pure And Applied Physics	Modelling and observing pulsars: from high energy to radio emission.	<b>Prof. Dipanjan</b>	<b>Mitra</b>	National Centre for Radio Astrophysics	Pune	<b>Mr. Jérôme</b>	<b>Petri</b>	Université de Strasbourg	Strasbourg
69	<b>5904-2</b>	Pure And Applied Physics	Composite Models at the Interface of Theory and Phenomenology	<b>Prof. K</b>	<b>Sridhar</b>	Tata Institute of Fundamental Research	Mumbai	<b>Dr. Giacomo</b>	<b>Cacciapaglia</b>	Universite Lyon	Villeurbanne Cedex
70	<b>5904-3</b>	Multi disci(Physics , Chemistry, Biology)	Pre-evolutionary processes in autocatalytic RNA networks	<b>Dr. Sandeep</b>	<b>Krishna</b>	National Centre for Biological Sciences	Bangalore	<b>Dr. Philippe</b>	<b>Nghe</b>	(ESPCI)	Paris
71	<b>5905-1</b>	Pure And Applied Chemistry	Boron-controlled CO2 reduction	<b>Prof. Sundargopal</b>	<b>Ghosh</b>	Indian Institute of Technology	Chennai	Dr. Sebastien	<b>Bontemps</b>	Laboratoire de Chimie de Coordination	Toulouse
72	<b>5907-A</b>	Earth And Planetary Sciences	Nutrient transfers through groundwater in India (NUNDERGROUND)	<b>Dr. V.V.S.S.</b>	<b>Sarma</b>	National Institute of Oceanography	Visakhapatnam	<b>Prof. Damien</b>	<b>Cardinal</b>	Université Curie	Paris cedex
73	<b>5908-1</b>	Material Sciences	A novel high temperature selective coating on superalloy substrates stable up to 600 deg. C in air for solar thermal electricity receivers: Studies on improved efficiency and accelerated aging tests	<b>Prof. Harish</b>	<b>Bharsilia</b>	National Aerospace Laboratories	Bangalore	<b>Dr. Audrey Soum</b>	<b>Glaude</b>	Laboratoire procédés, matériaux et énergie solaire	Angoustrine
74	<b>5908-2</b>	Material Sciences	2D Materials for novel nano electronic device applications	<b>Prof. Sandesh</b>	<b>Jadkar</b>	Pune University	Pune	<b>Prof. Abhay</b>	<b>Shukla</b>	Université Curie	Paris,