ERC Advanced Grants
List PE domain (alphabetic order)
30/07/2008

Proposal number	Title	Name	First name	Host institution	Host country	Project Acronym	Project Title	Panel
226316	Prof.	Abgrall	Remi	Institut National de Recherche en Informatique et en Automatique	FR	ADDECCO	Adaptive Schemes for Deterministic and Stochastic Flow Problems	PE1
226513	Dr.	Abiteboul	Serge	Institut National de Recherche en Informatique et en Automatique	FR	Webdam	Foundations of Web Data Management	PE6
227224	Prof.	Aerts	Conny	Katholieke Universiteit Leuven	BE	PROSPERITY	Probing Stellar Physics and Testing Stellar Evolution through Asteroseismology	PE9
226718	Prof.	Alon	Noga	Tel Aviv University	IL	DMMCA	Discrete Mathematics: methods, challenges and applications	PE1
226371	Prof.	Antoniadis	Ignatios	European Organization for Nuclear Research	CH	MassTeV	Mass hierarchy and particle physics at the TeV scale	PE2
227639	Prof.	Antonietti	Markus	Max-Planck-Gesellschaft	DE	HYDRA-Chem	Hydrothermal and Ionothermal Chemistry For Sustainable Materials (HYDRA-CHEM)	PE5
227669	Dr.	Battin-Leclerc	Frederique	Centre National de la Recherche Scientifique	FR	Clean-ICE	Detailed chemical kinetic models for cleaner internal combustion engines	PE8
227348	Prof.	Berger	André, Léon	Université catholique de Louvain	BE	EMIS	An Intense Summer Monsoon in a Cool World, Climate and East Asian Monsoon during Interglacials with a special emphasis on the Interglacials 500,000 years ago and before	PE10
227430	Prof.	Besenbacher	Flemming	Aarhus Universitet	DK	VIN	Video-rate Scanning Probe Microscopy Imaging of Nanostructures on Surfaces	PE4
226037	Prof.	Billings	Stephen Alec	University of Sheffield	UK	NSYS	Nonlinear System Identification and Analysis in the Time, Frequency, and Spatio-Temporal Domains	PE7
227959	Prof.	Blatt	Rainer	Universitaet Innsbruck	AT	CRYTERION	Cryogenic Traps for Entanglement Research with Ions (CRYTERION)	PE2
227952	Prof.	Brandenburg	Axel	Kungliga Tekniska Högskolan	SE	AstroDyn	Astrophysical Dynamos	PE9
228045	Prof.	Broggi	Alberto	University of Parma	IT	OFAV	Open intelligent systems for Future Autonomous Vehicles	PE6
227378	Prof.	Buehler-Paschen	Silke	Vienna University of Technology	AT	QuantumPuzzle	Quantum Criticality - The Puzzle of Multiple Energy Scales	PE3
227597	Prof.	Cederbaum	Lorenz S.	Ruprecht-Karls-Universitaet Heidelberg	DE	ICD	Intermolecular Coulombic decay and control of photoinduced processes in physics, chemistry, and biology	PE4
227793	Prof.	Ceri	Stefano	Politecnico di Milano	IT	SeCo	Search Computing	PE6
226846	Dr.	Chaussidon	Marc	Centre National de la Recherche Scientifique	FR	CEMYSS	Cosmochemical Exploration of the first two Million Years of the Solar System	PE9
227781	Prof.	Cheetham	Anthony Kevin	Chancellor, Masters and Scholars of the University of Cambridge	UK	NEWMATS	New Directions in Hybrid Inorganic-Organic Framework Materials	PE5
228035	Prof.	Davies	Alexander Giles	University of Leeds	UK	NOTES	New Opportunities in Terahertz Engineering and Science	PE7
227690	Prof.	Dietl	Tomasz	Instytut Fizyki Polskiej Akademii Nauk	PL	FunDMS	Functionalisation of Diluted Magnetic Semiconductors	PE3
228169	Prof.	Dimopoulos	Savas	Chancellor, Masters and Scholars of the University of Oxford	UK	BSMOXFORD	Physics Beyond the Standard Model at the LHC and with Atom Interferometers.	PE2
228217	Prof.	Dubrovin	Boris	International School for Advanced Studies	IT	FroM-PDE	Frobenius Manifolds and Hamiltonian Partial Differential Equations	PE1
227577	Prof.	Ebbesen	Thomas	Université Louis Pasteur	FR	PLASMONICS	Frontiers in Surface Plasmon Photonics - Fundamentals and Applications	PE2
227610	Prof.	Falcke	Heino	Stichting Katholieke Universiteit (Radboud University Organisation)	NL	LOFAR-AUGER	From Black Holes to Ultra-High Energy Cosmic Rays: Exploring the Extremes of the Universe with Low-Frequency Radio Interferometry	PE9
227747	Dr.	Faugeras	Olivier Dominique	Institut National de Recherche en Informatique et en Automatique	FR	NERVI	From single neurons to visual perception	PE1
227897	Prof.	Feringa	Bernard	University of Groningen	NL	Molecular motors	Molecular Motors - Controlling movement at the nanoscale	PE4
226455	Prof.	Ferrara	Sergio	Istituto Nazionale di Fisica Nucleare	IT	SUPERFIELDS	SUPERSYMMETRY, QUANTUM GRAVITY AND GAUGE FIELDS	PE2
226172	Dr.	Fischer	Hubertus	University of Bern	CH	MATRICs	Modern Approaches to Temperature Reconstructions in polar Ice Cores	PE10
228144	Prof.	Fortunato	Elvira	Faculty of Sciences and Technology of New University of Lisbon	PT	INVISIBLE	Advanced Amorphous Multicomponent Oxides for Transparent Electronics	PE8
227749	Prof.	Franx	Marijn	Universiteit Leiden	NL	HIGHZ	HIGHZ: Elucidating galaxy formation and evolution from very deep Near-IR imaging	PE9
227758	Prof.	Frenkel	Daniel	Chancellor, Masters and Scholars of the University of Cambridge	UK	COLSTRUCTION	Numerical Design of Self Assembly of Complex Colloidal Structures	PE3
227893	Dr.	Frost	Daniel	Universität Bayreuth	DE	DEEP	Deep Earth Elastic Properties and a Universal Pressure Scale	PE10
226234	Prof.	Fusco	Nicola	Università di Napoli 'Federico II'	IT	AnTeGeFI	Analytic Techniques for Geometric and Functional Inequalities	PE1
226528	Prof.	Gaver	William	Goldsmiths' College	UK	ThirdWaveHCI	Third Wave HCI: Methods, Domains and Concepts	PE6
228254	Prof.	Gazetas	George	National Technical University of Athens	EL	DARE	Soil Foundation Structure Systems Beyond Conventional Seismic Failure Thresholds: Application to New or Existing Structures and Monuments	PE8
227477	Prof.	Gershman	Alex	Technische Universitaet Darmstadt	DE	ROSE	Robust Sensor Array Processing	PE7
227977	Prof.	Ghezzi	Carlo	Politecnico di Milano	IT	SMScom	Self-Managing Situated Computing	PE6
227656	Prof.	Gisin	Nicolas	Université de Genève	CH	QORE	Quantum Correlations	PE2
228273	Dr.	Glattli	D. Christian	Commissariat a l'Energie Atomique	FR	MeQuaNo	Mesoscopic Quantum Noise: from few electron statistics to shot noise based photon detection	PE3
227631	Prof.	Harel	David	Weizmann Institute of Science	IL	LIBPR	Liberating Programming	PE6
226203	Prof.	Håstad	Johan	Kungliga Tekniska Högskolan	SE	ApproxNP	Approximation of NP-hard optimization problems	PE6
227716	Prof.	Heiblum	Mordehai (Moty)	Weizmann Institute of Science	IL	FQHE	Statistics of Fractionally Charged Quasi-Particles	PE3
226470	Prof.	Homewood	Kevin Peter	University of Surrey	UK	SILAMPS	Silicon integrated lasers and optical amplifiers	PE7
227754	Prof.	Hultman	Lars	Linköpings Universitet	SE	FUNMAT	Self-Organized Nanostructuring in Functional Thin Film Materials	PE5
228023	Prof.	Imamoglu	Atac	Swiss Federal Institute of Technology Zurich	CH	QON	Quantum optics using nanostructures: from many-body physics to quantum information processing	PE3
228140	Prof.	Katzarkov	Ludmil	University of Vienna	AT	GEMIS	Generalized Homological Mirror Symmetry and Applications	PE1
227950	Prof.	Kazarian	Sergei	Imperial College of Science, Technology and Medicine	UK	MicroChemicalImaging	Enhancing microfabricated devices with chemical imaging for novel chemical	PE8

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226187	Prof.	Kleiner	Reinhold	University of Tuebingen	DE	Socathes	Solid State/Cold Atom Hybrid Quantum Devices	PE3
227763	Prof.	Knochel	Paul	Ludwig-Maximilians-Universitaet Muenchen	DE	New organometallics	Preparation of polyfunctional organometallics: new key intermediates for synthetic organic chemistry	PE5
228301	Dr.	Kosower	David A.	Commissariat a l'Energie Atomique	FR	MM-PGT	Modern Methods for Perturbative Gauge Theories	PE2
227691	Prof.	Kouwenhoven	Leo	Delft University of Technology	NL	QuantumOptoElectr	Quantum Opto-Electronics	PE3
227947	Prof.	Kramer	Michael	University of Manchester	UK	LEAP	Large European Array for Pulsars	PE9
227463	Prof.	Kulmala	Markku Tapio	Helsingin yliopisto	FI	ATMNUCLE	Atmospheric nucleation: from molecular to global scale	PE10
227772	Prof.	Kupiainen	Antti Jukka	Helsingin yliopisto	FI	MPOES	Mathematical Physics of Out-of-Equilibrium Systems	PE1
227943	Prof.	Leigh	David Alan	University of Edinburgh	UK	WalkingMols	Synthetic Molecules that Walk Down Tracks: The First Small-Molecule Linear Motors	PE5
226144	Prof.	Lelieveld	Johannes	Cyprus Research and Educational Foundation	CY	C8	Consistent computation of the chemistry-cloud continuum and climate change in Cyprus	PE10
227674	Prof.	Lewenstein	Maciej	Institut de Ciencies Fotòniques, Fund. Priv.	ES	QUAGATUA	Quantum Gauge Theories and Ultracold Atoms	PE2
227906	Prof.	L'Huillier	Anne	Lund University	SE	ALMA	Attosecond Control of Light and Matter	PE2
227458	Prof.	Longo	Roberto	Università degli Studi di Roma Tor Vergata	IT	OACFT	Operator Algebras and Conformal Field Theory	PE1
227701	Prof.	Lovász	László	Eötvös Loránd University	HU	DISCRETECONT	From discrete to continuous: understanding discrete structures through continuous approximation	PE1
226135	Prof.	Lubotzky	Alexander	Hebrew University of Jerusalem	IL	Expanders	Expander Graphs in Pure and Applied Mathematics	PE1
228082	Prof.	Madsen	Ib Henning	University of Copenhagen	DK	TMSS	Topology of Moduli Spaces and Strings	PE1
226424	Dr.	Malka	Victor	Centre National de la Recherche Scientifique	FR	PARIS	PARticle accelerators with Intense lasers for Science (PARIS)	PE2
228032	Prof.	Martinelli	Fabio	Universita' degli Studi Roma Tre-Dipartimento di Matematica	IT	PTRELSS	Phase transitions in random evolutions of large-scale structures	PE1
227571	Prof.	McInnes	Colin Robert	University of Strathclyde	UK	VISIONSPACE	Visionary Space Systems: Orbital Dynamics at Extremes of Spacecraft Length-Scale	PE8
228286	Prof.	Merkt	Frédéric	Swiss Federal Institute of Technology Zurich	CH	CORYPHEE	Cold Rydbergs: photoionization, electronic spectroscopy and electrostatic trapping	PE4
228304	Prof.	Michel	Philippe	Ecole Polytechnique Fédérale de Lausanne	CH	EQUIARITH	Equidistribution in number theory	PE1
227756	Prof.	Michl	Josef	Institute of Organic Chemistry and Biochemistry, ASCR v.v.i.	CZ	Dipolar Rotor Array	Regular Arrays of Artificial Surface-Mounted Dipolar Molecular Rotors.	PE5
227457	Prof.	Netzer	Falko	Universitaet Graz	AT	SEPON	Search for emergent phenomena in oxide nanostructures	PE4
226628	Prof.	Nitzan	Abraham	Tel Aviv University	IL	TORMCJ	Thermal, optical and redox processes in molecular conduction junctions	PE4
227817	Prof.	Nolan	Steven Patrick	Institut Catala d'Investigacio Quimica	ES	FUNCAT	Fundamental Studies in Organometallic Chemistry and Homogeneous Catalysis	PE5
226837	Prof.	Nolet	Guust	Université de Nice Sophia-Antipolis	FR	Globalseis	NEW GOALS AND DIRECTIONS FOR OBSERVATIONAL GLOBAL SEISMOLOGY	PE10
227700	Prof.	Nordén	Bengt	Chalmers tekniska hoegskola AB	SE	SUMO	Supramolecular Motive Power	PE4
227428	Prof.	Orrit	Michel	Universiteit Leiden	NL	SiMoSoMa	Single molecules in soft matter: dynamical heterogeneity in supercooled liquids and glasses	PE4
228044	Prof.	Ottersten	Bjorn	Kungliga Tekniska Högskolan	SE	AMIMOS	Agile MIMO Systems for Communications, Biomedicine, and Defense	PE7
227769	Prof.	Pijaudier-Cabot	Gilles	Université de Pau et des Pays de l'Adour	FR	failflow	Failure and Fluid Flow in Porous Quasibrittle Materials	PE8
228005	Prof.	Pintz	Janos	MTA Renyi Alfred Kutatointezet (Alfred Renyi Institute of Mathematics, Hungarian Academy of Sciences)	HU	PRIMEGAPS	Gaps between primes and almost primes. Patterns in primes and almost primes. Approximations to the twin prime and Goldbach conjectures.	PE1
227135	Prof.	Prato	Maurizio	University of Trieste	IT	CARBONANOBRIDGE	Neuron Networking with Nano Bridges via the Synthesis and Integration of Functionalized Carbon Nanotubes	PE5
227058	Prof.	Quarteroni	Alfio	Ecole Polytechnique Fédérale de Lausanne	CH	MATHCARD	Mathematical Modelling and Simulation of the Cardiovascular System	PE1
227711	Prof.	Robinson	Ian	University College London	UK	nanosculpture	Exploration of strains in synthetic nanocrystals	PE5
227632	Prof.	Rosenstiel	Wolfgang	Eberhard-Karls-Universität Tübingen	DE	BCCI	Bidirectional cortical communication interface	PE7
227987	Prof.	Rosseinsky	Matthew	University of Liverpool	UK	RLUCIM	Resilient large unit cell inorganic materials	PE5
228177	Dr.	Salomon	Christophe	Centre National de la Recherche Scientifique	FR	FERLODIM	Atomic Fermi Gases in Lower Dimensions	PE2
227010	Prof.	Schouten	Jacob Cornelis	Technische Universiteit Eindhoven	NL	SSRR	Smart Structured Rotating Reactors	PE8
226593	Prof.	Schroder	Martin	University of Nottingham	UK	COORDSPACE	Chemistry of Coordination Space: Extraction, Storage, Activation and Catalysis	PE5
228029	Prof.	Segev	Mordechai	Technion - Israel Institute of Technology	IL	NMNP	Nonlinear Micro- and Nano-Photonics: nonlinear optics at the micrometer scale and below	PE2
226600	Prof.	Sinninghe Damste	Jaap	Stichting Koninklijk Nederlands Instituut voor Zeeonderzoek	NL	PACEMAKER	Past Continental Climate Change: Temperatures from marine and lacustrine archives	PE10
228046	Prof.	Smirnov	Stanislav	Université de Genève	CH	CONFRA	Conformal fractals in analysis, dynamics, physics	PE1
228053	Prof.	Soner	Halil Mete	Sabanci University	TR	FiRM	Mathematical Methods for Financial Risk Management	PE1
228064	Prof.	Sparks	Robert Stephen John	University of Bristol	UK	VOLDIES	Dynamics of volcanoes and their impact on the environment and society	PE10
227680	Prof.	Steyaert	Michiel	Katholieke Universiteit Leuven	BE	DARWIN	Deep mm-Wave RF-CMOS Integrated Circuits	PE7
226488	Prof.	Stuart	Andrew	University of Warwick	UK	amstat	Problems at the Applied Mathematics-Statistics Interface	PE1
226136	Prof.	Sundström	Villy	Lund University	SE	VISCHEM	Visualizing Molecular Change	PE4
227874	Prof.	Tanenbaum	Andrew Stuart	Vrije Universiteit	NL	R3S3	Research on Really Reliable and Secure Systems Software	PE6
226639	Prof.	Tenne	Reshef	Weizmann Institute of Science	IL	INTIF	Inorganic nanotubes and fullerene-like materials: new synthetic strategies lead to new materials	PE5
226338	Prof.	Van den Berg	Albert	University of Twente	NL	eLab4Life	eLab4Life: Electr(ochem)ical Labs-on-a-Chip for Life Sciences	PE7
228076	Prof.	van Gunsteren	Willem Frederik	Swiss Federal Institute of Technology Zurich	CH	Biomol. Simulation	Development of multi-scale molecular models, force fields and computer software for biomolecular simulation	PE4
228051	Prof.	Vardoulakis	Ioannis	National Technical University of Athens	EL	MEDIGRA	Mechanics of Energy Dissipation in Dense Granular materials	PE8
226438	Prof.	Welton	Thomas	Imperial College of Science, Technology & Medicine	UK	MIL	Mixing Ionic Liquids	PE4
226558	Mr.	Wernsdorfer	Wolfgang	Centre National de la Recherche Scientifique	FR	MolNanoSpin	Molecular spintronics using single-molecule magnets	PE3

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226180	Prof.	Wiesendanger	Roland Martin	University of Hamburg	DE	FURORE	FUndamental studies and innovative appROaches of REsearch on magnetism	PE3
226246	Prof.	Zeldov	Eli	Weizmann Institute of Science	IL	NANOSQUID	Scanning Nano-SQUID on a Tip	PE3
228180	Prof.	Zisserman	Andrew	Chancellor, Masters and Scholars of the University of Oxford	UK	VisRec	Visual Recognition	PE6
227844		*		University of Vienna	AT	QIT4QAD		PE2
228149		*		University of Plymouth	UK	OUTREACH		PE10

* Permission has not yet been given for publication

Panel structure

Social Sciences and Humanities
SH1 Individuals, institutions and markets
SH2 Institutions, values, beliefs and behaviour
SH3 Environment and society
SH4 The Human Mind and its complexity
SH5 Cultures and cultural production
SH6 The study of the human past

Physical Sciences & Engineering
PE1 Mathematical foundations
PE2 Fundamental constituents of matter
PE3 Condensed matter physics
PE4 Physical and Analytical Chemical sciences
PE5 Materials and Synthesis
PE6 Computer science and informatics
PE7 Systems and communication engineering
PE8 Products and process engineering
PE9 Universe sciences
PE10 Earth system science

Life Sciences
LS1 Molecular and Structural Biology and Biochemistry
LS2 Genetics, Genomics, Bioinformatics and Systems Biology
LS3 Cellular and Developmental Biology
LS4 Physiology, Pathophysiology and Endocrinology
LS5 Neurosciences and neural disorders
LS6 Immunity and infection
LS7 Diagnostic tools, therapies and public health
LS8 Evolutionary, population and environmental biology
LS9 Applied life sciences and biotechnology