

**ERC Advanced Grants 2009 - First results (Jan. 2010) -  
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List of projects invited for funding, ordered by country.**

Last name	First name	Host Institution	HI Country	Acronym	Project Title	Panel
BARTON	Nicholas Hamilton	Institute of Science and Technology Austria	AT	SelectionInformation	Limits to selection in biology and in evolutionary computation	LS8
KNOBLICH	Jürgen	Institut für Molekulare Biotechnologie GmbH	AT	NeuroSyStem	A Systems Level Approach to Proliferation and Differentiation Control in Neural Stem Cell Lineages	LS3
PAUER-STUDER	Herlinde	Universität Wien	AT	NS-Morality	Distortions of Normativity: The NS-System and Morality	SH4
RITSCH-MARTE	Monika	Medizinische Universität Innsbruck	AT	catchIT	Coherently Advanced Tissue and Cell Holographic Imaging and Trapping	PE2
SCHACHERMAYER	Walter	Universität Wien	AT	RIVAL	Risk and Valuation of Financial Assets: A Robust Approach	PE1
SELBERHERR	Siegfried	Technische Universität Wien	AT	MOSILSPIN	Modeling Silicon Spintronics	PE7
SUPERTI-FURGA	Giulio	CEMM - Forschungszentrum für Molekulare Medizin GmbH	AT	i-FIVE	Interferon-focused Innate Immunity Interactome and Inhibitor	LS2
DORIGO	Marco	Université Libre de Bruxelles	BE	E-SWARM	Engineering Swarm Intelligence Systems	PE6
VAN TENDELOO	Gustaaf	Universiteit Antwerpen	BE	COUNTATOMS	Counting Atoms in nanomaterials	PE5
AGUZZI	Adriano	Universität Zürich	CH	Prions	The prion protein in health and disease	LS5
ANTONARAKIS	Stylianos	Université de Genève	CH	HuCNC	Conserved Non-Coding Sequences; function, variability and phenotypic consequences	LS2
ARBER	Silvia	Novartis Forschungsstiftung, Zweigniederlassung Friedrich Miescher Institute for Biomedical Research	CH	Motor Circuits	Neuronal circuits controlling motor behavior	LS5
BAN	Nenad	Eidgenössische Technische Hochschule Zürich	CH	Eukaryotic Ribosome	Structural studies of the eukaryotic ribosome by X-ray crystallography	LS1
BARRAL	Yves	Eidgenössische Technische Hochschule Zürich	CH	BarrAge	Cell compartmentalization, individuation and diversity	LS3
BUCHS-SCHWAB	Christoph	Eidgenössische Technische Hochschule Zürich	CH	STAHPDE	Sparse Tensor Approximations of High-Dimensional and stochastic Partial Differential Equations	PE1
CHRISTODOULOU	Demetrios	Eidgenössische Technische Hochschule Zürich	CH	pdecp	Partial differential equations of Classical Physics	PE1
DE MICHELI	Giovanni	Ecole Polytechnique Fédérale de Lausanne	CH	NANOSYS	Nanosystems: Architectures, Design and Applications	PE6
DIEDERICH	François Nico	Eidgenössische Technische Hochschule Zürich	CH	OPTELOMAC	Opto-Electronic Organic Materials by New Acetylene Chemistry	PE5
ESSLINGER	Tilman	Eidgenössische Technische Hochschule Zürich	CH	SQMS	Synthetic Quantum Many-Body Systems	PE2
FUA	Pascal	Ecole Polytechnique Fédérale de Lausanne	CH	MicroNano	Modeling Brain Circuitry using Scales Ranging from Micrometer to Nanometer	PE6
GOEREE	Jacob	Universität Zürich	CH	ESEI	Engineering Social and Economic Institutions	SH1
GRÄTZEL	Michael	Ecole Polytechnique Fédérale de Lausanne	CH	MESOLIGHT	Mesoscopic Junctions for Light Energy Harvesting and Conversion	PE5
GROSSNIKLAS	Ueli	Universität Zürich	CH	MEDEA	Mechanisms of Epigenetic regulation in Development, Evolution and Adaptation	LS2
HAMM	Peter	Universität Zürich	CH	DYNALLO	Towards a Dynamical Understanding of Allostery	PE4
JACKSON	Andrew	Eidgenössische Technische Hochschule Zürich	CH	MFECE	Magnetostrophic Flow in Experiments and the Core of the Earth	PE10
KELLER	Laurent	Université de Lausanne	CH	social life	The evolution of social life and division of labour	LS8
KELLER	Beat	Universität Zürich	CH	Durableresistance	Durable resistance against fungal plant pathogens	LS9
LANZAVECCHIA	Antonio	Fondazione per l'Istituto di Ricerca in Biomedicina	CH	IMMUNExplore	New approaches to analyze and exploit the human B and T cell response against viruses	LS6
MAIER	John Paul	Universität Basel	CH	ElecSpeclons	Electronic spectra of cold, large interstellar ions	PE4
MIKHALKIN	Grigory	Université de Genève	CH	TROPGEO	Tropical Geometry	PE1

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PALMER	Ed	Universitätsspital Basel	CH	TerraIncognita	T cell receptor $\alpha\beta$ : in control of signal initiation and T cell fate	LS6
PARRINELLO	Michele	Università della Svizzera Italiana	CH	PUSHBOUND	Pushing the Boundaries of Molecular Dynamics Simulations	PE4
PRATSINIS	Sotiris E.	Eidgenössische Technische Hochschule Zürich	CH	FlameNanoManufacture	Flame Aerosol Reactors for Manufacturing of Surface-Functionalized Nanoscale Materials and Devices	PE8
SCHIBLER	Ulrich	Université de Genève	CH	TimeSignal	Signalling within the mammalian circadian timing system	LS1
STOFFEL	Markus	Eidgenössische Technische Hochschule Zürich	CH	MetaboloMirs	Elucidation of MicroRNAs as Regulators of Metabolism and Targets for Therapeutic Intervention	LS4
SZNYTMAN	Alain-Sol	Eidgenössische Technische Hochschule Zürich	CH	RWPERCRI	Random Walks, Percolation and Random Interlacements	PE1
VETTERLI	Martin	Ecole Polytechnique Fédérale de Lausanne	CH	SPARSAM	Sparse Sampling: Theory, Algorithms and Applications	PE7
ZEILHOFER	Hanns Ulrich	Universität Zürich	CH	DHISP	Dorsal Horn Interneurons in Sensory Processing	LS5
BARTH	Johannes V.	Technische Universität München	DE	MolArt	Surface-Confined Metallosupramolecular Architecture: Towards a Novel Coordination Chemistry for the Design of Functional Nanosystems	PE4
DE COLA	Luisa	Westfälische Wilhelms-Universität Münster	DE	MaGIC	(Nano)-Materials for cell Growth, Imaging and Communication	PE5
DIKIC	Ivan	Johann Wolfgang Goethe Universität Frankfurt am Main	DE	LineUb	Linear ubiquitin chains - novel cellular signals involved in inflammation and cancer	LS1
DINGWELL	Donald Bruce	Ludwig-Maximilians-Universität München	DE	EVOKES	Explosive Volcanism in the Earth System	PE10
EATON	Suzanne	Max Planck Gesellschaft zur Förderung der Wissenschaften e.V.	DE	wing morphogenesis	A physical basis for wing morphogenesis and planar cell polarity	LS3
ELSAESSER	Thomas	Forschungsverbund Berlin e.V.	DE	ULTRADYNE	Ultrafast dynamics of hydrogen bonded structures in condensed matter	PE3
GAFOS	Adamantios	Ludwig-Maximilians-Universität München	DE	STIMOS	Stochastic time models of syllables	SH4
HEDRICH	Rainer	Julius-Maximilians Universität Würzburg	DE	Carnivorom	Molecular basis of carnivory: Excitability, movement, and endocrinology of plant traps	LS9
HEIZ	Ulrich Kaspar	Technische Universität München	DE	ASC3	Asymmetric Cluster Catalysis & Chemistry	PE4
HENGGE	Regine	Freie Universität Berlin	DE	SecMessBiofilm	Cyclic-di-GMP: New Concepts in Second Messenger Signaling and Bacterial Biofilm Formation	LS6
HINRICHS	Kai-Uwe	Universität Bremen	DE	DARCLIFE	Deep subsurface Archaea: carbon cycle, life strategies, and role in sedimentary ecosystems	PE10
HIRSCH	Andreas	Friedrich-Alexander-Universität Erlangen-Nürnberg	DE	GRAPHENOCHEM	Large Scale Production, Cloning, Chemical Functionalization and Materials Applications of Graphene	PE5
HOFMANN	Klaus Peter	Charité - Universitätsmedizin Berlin	DE	TUDOR	Towards Understanding the Structure and Dynamics of Receptor Proteins	LS1
HUTTNER	Wieland B.	Max Planck Gesellschaft zur Förderung der Wissenschaften e.V.	DE	NeuroMan	Identifying the genes responsible for the expansion of the human cerebral cortex	LS5
KRAUSZ	Ferenc	Ludwig-Maximilians-Universität München	DE	4D Imaging	Towards 4D Imaging of Fundamental Processes on the Atomic and Sub-Atomic Scale	PE2
KÜPPER	Joachim	Freie Universität Berlin	DE	DramaNet	Early Modern European Drama and the Cultural Net	SH5
MEIJER	Gerard	Max Planck Gesellschaft zur Förderung der Wissenschaften e.V.	DE	MolChip	A molecular laboratory on a chip	PE4
MENTEN	Karl M.	Max Planck Gesellschaft zur Förderung der Wissenschaften e.V.	DE	GLOSTAR	A Global View of Star Formation in the Milky Way	PE9
MOLDOVANU	Benny	Rheinische Friedrich-Wilhelms-Universität Bonn	DE	DMD	Dynamic Mechanism Design: Theory and Applications	SH1
MOMBAERTS	Peter	Max Planck Gesellschaft zur Förderung der Wissenschaften e.V.	DE	ORGNECHOICE	Regulation of the expression of odorant receptor genes in mouse	LS5
MONYER	Hannah	Universitätsklinikum Heidelberg	DE	GABAcellsAndMemory	Linking GABAergic neurones to hippocampal-entorhinal system functions	LS5
NIEHRS	Christof	Deutsches Krebsforschungszentrum	DE	DNAdemethylase	Functions and mechanism of active DNA demethylation	LS3
PASCHEREIT	Christian Oliver	Technische Universität Berlin	DE	GREENEST	Gas turbine combustion with Reduced EmissionNs Employing extreme Steam injection	PE8

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ROEDER	Brigitte	Universität Hamburg	DE	CriticalBrainChanges	Development and plasticity of multisensory functions to study the principles of age dependent learning plasticity in humans	SH4
ROSENMUND	Christian	Charité - Universitätsmedizin Berlin	DE	SYNVGLUT	Vesicular glutamate transporters as molecular regulators of neural communication	LS5
SCHÜTH	Ferdi	Max Planck Gesellschaft zur Förderung der Wissenschaften e.V.	DE	POLYCAT	Polymeric catalysts and supports: A new paradigm for biomass processing	PE5
STRÖHER	Hans	Forschungszentrum Jülich GmbH	DE	POLPBAR	Production of Polarized Antiprotons	PE2
VON MUTIUS	Erika	Ludwig-Maximilians-Universität München	DE	HERA	Host-environment interactions in the protection from asthma and allergies	LS7
WEBER	Christian	Universitätsklinikum Aachen	DE	Atheroprotect	Structure-Function Analysis of the Chemokine Interactome for Therapeutic Targeting and Imaging in Atherosclerosis	LS4
WHITE	Simon	Max Planck Gesellschaft zur Förderung der Wissenschaften e.V.	DE	GALFORMOD	Galaxy formation models for the next generation of evolutionary and cosmological surveys	PE9
ZIEGLER	Günter M.	Technische Universität Berlin	DE	SDModels	Structured Discrete Models as a basis for studies in Geometry, Numerical Analysis, Topology, and Visualization	PE1
DAHL-JENSEN	Dorthe	Københavns Universitet	DK	WATERundertheICE	Where is the water under the Greenland ice sheet?	PE10
HAAGERUP	Uffe Valentin	Københavns Universitet	DK	OAFPG	Operator Algebras, Free Probability, and Groups	PE1
NISSEN	Poul	Aarhus Universitet	DK	BIOMEMOS	Higher order structure and function of biomembranes	LS1
AMILS	Ricardo	Instituto Nacional de Tecnología Aeronáutica	ES	IPBSL	Science and technology development for in situ detection and characterization of subsurface life on the Iberian Pyritic Belt	LS8
BARBACID	Mariano	Fundación Centro Nacional de Investigaciones Oncológicas Carlos III	ES	RAS AHEAD	Ras Genes in Health and Disease	LS4
BASELGA	Jose	Fundacio Privada Institut d'Investigacio Oncologica de Vall Hebron	ES	OVER-HER2	OVERcoming Resistance to anti-HER2 therapy	LS4
CHMEISSANI	Mokhtar	Institut de Física d'Altes Energies	ES	VIP	Voxel Imaging PET Pathfinder	LS7
CORONADO	Eugenio	Universitat de Valencia	ES	SPINMOL	Magnetic Molecules and Hybrid Materials for Molecular Spintronics	PE5
IDELSOHN	Sergio	Centre Internacional de Mètodes Numèrics en Enginyeria	ES	REALTIME	Real Time Computational Mechanics Techniques for Multi-Fluid Problems	PE8
VAN HULST	Niek F.	Institut de Ciències Fotòniques, Fundacio Privada	ES	NanoAntennas	Nano-Optical Antennas for Tuneable Single Photon Super-Emitters	PE3
VAN LEEUWEN	Piet W.N.M.	Fundació Privada Institut Català d'Investigació Química (ICIQ)	ES	Nanosonwings	A new vision on nanocatalysts	PE8
VENTURA	Jaume	Centre de Recerca en Economia Internacional (CREI)	ES	ABEP	Asset Bubbles and Economic Policy	SH1
ZUAZUA	Enrique	BCAM - Basque Center for Applied Mathematics	ES	NUMERIWAVES	New analytical and numerical methods in wave propagation	PE1
YLA-HERTTUALA	Seppo	University of Kuopio	FI	FutureGenes	Gene transfer techniques in the treatment of cardiovascular diseases and malignant glioma	LS7
ALMOUZNI - PETTINOTTI	Geneviève	Institut Curie	FR	Eccentric	Epigenetic challenges in centromere inheritance during the cell cycle	LS1
BACH	Jean-François	Institut National de la Santé et de la Recherche Médicale (INSERM)	FR	HYGIENE	The HYGIENE Hypothesis: Revisiting the Concept by Integrating Epidemiology and Mechanistic Studies	LS7
BALIBAR	Sebastien	Centre National de la Recherche Scientifique (CNRS)	FR	SUPERSOLID	The Enigma of Supersolidity	PE3
BELLIER	Irène	Ecole des Hautes Etudes en Sciences Sociales	FR	SOGIP	Scale of governance, the UN, the States and Indigenous peoples human rights: the meanings and issues of self-determination in the time of globalization	SH2
BENKIRANE	Monsef	Centre National de la Recherche Scientifique (CNRS)	FR	Silent HIV	Paving the way toward HIV eradication/control	LS6
BIGOT	Jean-Yves	Centre National de la Recherche Scientifique (CNRS)	FR	ATOMAG	From Attosecond Magnetism towards Ultrafast Spin Photonics	PE3
CARLIER	Marie-France	Centre National de la Recherche Scientifique (CNRS)	FR	forcefulactin	Coordinated regulation of actin dynamics in cell motility and morphogenesis : from molecules to reconstituted biomimetic assays	LS1
CHABRIER	Gilles	Centre National de la Recherche Scientifique (CNRS)	FR	PEPS	Exploring the physics of Proto-stars and Extra-solar PlanetS	PE9
CLAUSTRE	Hervé	Centre National de la Recherche Scientifique (CNRS)	FR	REMOCEAN	Remotely sensed biogeochemical cycles in the ocean	PE10

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COUVREUR	Patrick	Université Paris-Sud XI	FR	TERNANOMED	TERPENOYLATION: An original concept for the discovery of new nanomedicines	LS7
DEHAENE	Stanislas	Commissariat à l'Energie Atomique (CEA)	FR	NEUROCONSC	Converging Criteria for Consciousness: Using neuroimaging methods to characterize subliminal and conscious processing	LS5
DIENY	Bernard	Commissariat à l'Energie Atomique (CEA)	FR	HYMAGINE	Hybrid CMOS/Magnetic components and systems for energy efficient, non-volatile, reprogrammable integrated electronics	PE7
FISCHER	Alain	Institut National de la Santé et de la Recherche Médicale (Inserm)	FR	PIDIMMUN	Primary immunodeficiency diseases as models for the study of the immune system	LS6
FREITAS	Antonio	Institut Pasteur	FR	QSI	Role of Quorum Sensing mechanisms in the Immune System's regulation	LS6
GENET	Jean-Philippe	Université Paris I Panthéon-Sorbonne	FR	SAS	Signs and States: Semiotics of the Modern State	SH6
GIRAULT	Jean-Antoine	Institut National de la Santé et de la Recherche Médicale (Inserm)	FR	SMILE	Study of the molecular and cellular mechanisms of incentive learning	LS5
GRANGIER	Philippe	Centre National de la Recherche Scientifique (CNRS)	FR	DELPHI	Deterministic Logical Photon-Photon Interactions	PE2
HAROUCHE	Serge	Centre National de la Recherche Scientifique (CNRS)	FR	DECLIC	Exploring the Decoherence of Light in Cavities	PE2
HAYWARD	Vincent	Université Pierre et Marie Curie - Paris 6	FR	PATCH	Computational Theory of Haptic Perception	PE7
HEARD	Edith	Institut Curie	FR	EpigenetiX	Epigenetic regulation and monoallelic gene expression: the X-inactivation paradigm and beyond	LS2
KOECHLIN	Etienne	Ecole Normale Supérieure	FR	FRONTEX	Decision-making and prefrontal executive function	LS5
LABOURIE	François	Université Paris-Sud XI	FR	HighTeich	Higher Teichmüller-Thurston Theory: Representations of Surface Groups in PSL(n,R).	PE1
LOESER	François	Ecole Normale Supérieure	FR	NMNAG	New Methods in Non Archimedean Geometry	PE1
MEIBOM	Anders	Museum National d'Histoire Naturelle	FR	BIOCARB	Carbonate Biomineralization in the Marine Environment: Paleo-climate proxies and the origin of vital effects	PE10
MOREL	Jean-Michel	Ecole Normale Supérieure de Cachan	FR	Twelve Labours	Twelve Labours of Image Processing	PE1
POURQUIE	Olivier	Centre Européen de Recherche en Biologie et Médecine	FR	BODYBUILT	Building The Vertebrate Body	LS3
REICHHART	Jean-Marc	Centre National de la Recherche Scientifique (CNRS)	FR	IMMUDROSO	Sensing and Signalling in the Innate Immune Response, using Drosophila as a Model.	LS6
ROCHET	Jean-Charles	Fondation Jean-Jacques Laffont, Toulouse Sciences Economiques	FR	RMAC	Risk Management after the crisis	SH1
SAGOT	Marie-France	Institut National de Recherche en Informatique et en Automatique	FR	SISYPHE	Species Identity and Symbiosis Formally and Experimentally explored	PE6
SCHERF	Artur	Centre National de la Recherche Scientifique (CNRS)	FR	PlasmoEscape	Monoallelic Gene Expression in Malaria Parasites: A Key Mechanisms in the Pathogen's Survival Strategy	LS6
SIRTORI	Carlo	Université Paris Diderot - Paris 7	FR	ADEQUATE	Advanced optoelectronic Devices with Enhanced QUAntum efficiency at THz frEquencies	PE3
TIROLE	Jean	Fondation Jean-Jacques Laffont, Toulouse Sciences Economiques	FR	COGNITION	Cognition and Decision-Making: Laws, Norms and Contracts	SH1
TOLAN	John Victor	Maison des Sciences de l'Homme Ange Guépin	FR	RELMIN	The legal status of religious minorities in the Euro-mediterranean world (5th-16th centuries)	SH6
WEILL	Jean-Claude	Institut National de la Santé et de la Recherche Médicale (Inserm)	FR	Memo-B	The B cell memory program: cell fate determinants and functional diversity of B cell subsets	LS6
CSIBRA	Gergely	Kozep-Europai Egyetem The Provost Fellows & Scholars of the College of The Holy and Undivided Trinity of Queen Elizabeth near Dublin	HU	OSTREFCOM	Human infants' preparedness for relevance-guided learning through ostensive-referential communication	SH4
O'ROURKE	Kevin Hjortshøj	Undivided Trinity of Queen Elizabeth near Dublin	IE	TRADEDEPRESSION	Trade and the Great Depression in a Long Run Perspective	SH1
ALON	Uri	Weizmann Institute of Science	IL	DEPICT	Design principles and controllability of protein circuits	LS2
BANIN	Uri	The Hebrew University of Jerusalem	IL	DCENSY	Doping, Charge Transfer and Energy Flow in Hybrid Nanoparticle Systems	PE4
DUBINSKY	Zvy	Bar Ilan University	IL	CoralWarm	Corals and global warming: The Mediterranean versus the Red Sea	LS8
FRYDMAN	Lucio	Weizmann Institute of Science	IL	UltraNMR	Ultrafast Hyperpolarized NMR and MRI in Multiple Dimensions	PE4

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HART	Sergiu	The Hebrew University of Jerusalem	IL	game-dynamics	Game Theory: Dynamic Approaches	SH1
KAZHDAN	David	The Hebrew University of Jerusalem	IL	GLC	Langlands correspondence and its variants	PE1
KLEIN	Jacob	Weizmann Institute of Science	IL	HydrationLube	Hydration lubrication: exploring a new paradigm	PE4
KÜHNEL	Bianca	The Hebrew University of Jerusalem	IL	ProJer	Projections of Jerusalem in Europe: A Monumental Network	SH5
LEVITZKI	Alexander	The Hebrew University of Jerusalem	IL	targeting_cancer	Eradication of tumors by targeting dsRNA selectively to cancer cells and recruitment of the innate immune system	LS7
MILSTEIN	David	Weizmann Institute of Science	IL	novcat	Design of Novel Catalysis by Metal Complexes	PE5
SHALEV	Aner	The Hebrew University of Jerusalem	IL	Words	Words and Waring type problems	PE1
AMBROSIO	Luigi	Scuola Normale Superiore di Pisa	IT	GeMeThnES	Geometric Measure Theory in non-Euclidean spaces	PE1
BALLABIO	Andrea	Fondazione Telethon	IT	CLEAR	Modulating cellular clearance to cure human disease	LS2
D'ANCONA	Cristina	Università di Pisa	IT	Greek into Arabic	Greek into Arabic: Philosophical Concepts and Linguistic Bridges	SH5
FERRONI	Fernando	Istituto Nazionale di Fisica Nucleare	IT	LUCIFER	Low-background Underground Cryogenic Installation For Elusive Rates	PE2
GHELARDI	Maurizio	Scuola Normale Superiore di Pisa	IT	EUROCORR	The European correspondence to Jacob Burckhardt	SH5
GIACCA	Mauro	International Centre for Genetic Engineering and Biotechnology	IT	FunSel	Generation of AAV-based, arrayed genetic libraries for in vivo functional selection: an innovative approach to identify secreted factors and microRNAs against degenerative disorders	LS7
GUIDOTTI	Luca G.	Fondazione Centro San Raffaele del Monte Tabor	IT	Liver IVM and HBV	Imaging liver immunopathology by intravital microscopy (IVM): a new approach to study the pathogenesis of hepatitis B virus (HBV) infection.	LS6
INGUSCIO	Massimo	Laboratorio Europeo di Spettroscopie non Lineari	IT	DISQUA	Disorder physics with ultracold quantum gases	PE2
LIVERANI	Carlangelo	Università degli Studi di Roma Tor Vergata	IT	MALADY	Macroscopic Laws and Dynamical Systems	PE1
MATTHIAE	Paolo	Università Degli Studi di Roma la Sapienza	IT	EBLA CHORA	The early state and its chora. Towns, villages and landscape at Ebla in Syria during the 3rd Millennium BC. Royal archives, visual and material culture, remote sensing and artificial neural	SH6
NALDINI	Luigi	Università Vita-Salute San Raffaele	IT	TARGETINGGENETHERAPY	Towards Safe and Effective Hematopoietic Stem Cell Gene Therapy: Targeting Integration to Genomic Safe Harbors and Exploiting Endogenous microRNA to Regulate Transgene	LS7
PARISI	Giorgio	Università degli Studi di Roma la Sapienza	IT	CriPheRaSy	Critical Phenomena in Random Systems	PE2
RIZZOLATTI	Giacomo	Università degli Studi di Parma	IT	Cogsystems	Understanding actions and intentions of others	LS5
VALENTINI	Riccardo	Centro Euro-Mediterraneo per i Cambiamenti Climatici S.c.a.r.l.	IT	AFRICA-GHG	The role of African tropical forests on the Greenhouse Gases balance of the atmosphere	PE10
WAGNER	Peter	Università Degli Studi di Trento	IT	TRAMOD	Trajectories of modernity - comparing non-European and European varieties	SH2
BERNARDS	Rene	Stichting Het Nederlands Kanker Instituut	NL	FUNCTIONAL GENOMICS	Dissecting Genetic Dependencies in Cancer	LS2
BRAKEFIELD	Paul Martin	Universiteit Leiden	NL	EMARES	Exploring Morphospaces in Adaptive Radiations to unravel Ecological Speciation	LS8
DE VOS	Willem Meindert	Wageningen Universiteit	NL	MICROBESINSIDE	Exploitation of Our Intestinal Microbiota	LS9
DEKKER	Cornelis	Technische Universiteit Delft	NL	NANOforBIO	Nanostructures for biology	PE3
GROENEN	Martien	Wageningen Universiteit	NL	SeiSweep	Molecular characterization of genetic factors in the pig under selection during speciation, domestication and breeding	LS9
KUIPERS	Johannes Alfonsius Maria	University of Twente	NL	Multi-scale flows	Multi-scale modeling of mass and heat transfer in dense gas-solid flows	PE8
MARKS	Gary	Vereniging voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	NL	MLG	Causes and Consequences of Multilevel Governance	SH2
MEIJER	Egbert Willem	Technische Universiteit Eindhoven	NL	Supocosys	From Supramolecular Polymers to Compartmentalized Systems	PE5
MOL	Anne-Marie	Universiteit van Amsterdam	NL	eatingbodies	The eating body in Western practice and theory	SH2

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NOLLKAEMPER	Peter Andreas	Universiteit van Amsterdam	NL	SHARES	Shared Responsibility in International Law	SH2
OSTERHAUS	Albert D. M. E.	Erasmus Universitair Medisch Centrum Rotterdam	NL	FLUPLAN	Novel strategies to combat future influenza pandemics	LS7
SIXMA	Titia	Stichting Het Nederlands Kanker Instituut	NL	Ubiquitin balance	The balance of ubiquitin conjugation and deconjugation	LS1
TIELENS	Alexander	Universiteit Leiden	NL	PAHs	The Role of Large Polycyclic Aromatic Hydrocarbon molecules in the Universe	PE9
VALKENBURG	Patricia Maria	Universiteit van Amsterdam	NL	ENTCHILD	The Entertainization of Childhood: An Etiology of Risks and Opportunities	SH2
VERHOEF	Erik Teodoor	Vereniging voor Christelijk hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	NL	OPTION	Optimizing Policies for Transport: accounting for Industrial Organisation in Network markets	SH3
WIJERS	Ralph A. M. J.	Universiteit van Amsterdam	NL	AARTFAAC	Amsterdam-ASTRON Radio Transient Facility And Analysis Centre: Probing the Extremes of Astrophysics	PE9
HENSHILWOOD	Christopher Stuart	Universitetet I Bergen	NO	TRACSYMBOLS	Tracing the evolution of symbolically mediated behaviours within variable environments in Europe and southern Africa	SH6
HUGDAHL	Kenneth	Universitetet I Bergen	NO	VOICE	"Hearing voices" - From cognition to brain systems	SH4
THINGSTAD	Tron Frede	Universitetet I Bergen	NO	MINOS	Microbial Network Organisation	LS8
UDALSKI	Andrzej	Uniwersytet Warszawski	PL	OGLEIV	Optical Gravitational Lensing Experiment: New Frontiers in Observational Astronomy	PE9
MAINEN	Zachary	Fundação Calouste Gulbenkian	PT	5HT-OPTOGENETICS	Optogenetic Analysis of Serotonin Function in the Mammalian Brain	LS5
ALBERTSSON	Ann-Christine	Kungliga Tekniska Högskolan	SE	PARADIGM	New Paradigm in the Design of Degradable Polymeric Materials - Macroscopic Performance Translated to all Levels of Order	PE8
ALDÉN	Marcus	Lunds Universitet	SE	DALDECS	Development and Application of Laser Diagnostic Techniques for Combustion Studies	PE8
BÄCKVALL	Jan Erling	Stockholms Universitet	SE	OXLEET	Oxidation via low-energy electron transfer. Development of green oxidation methodology via a biomimetic approach	PE5
CAO	Yihai	Karolinska Institutet	SE	ANGIOFAT	New mechanisms of angiogenesis modulators in switching between white and brown adipose tissues	LS4
COQUAND	Thierry	Göteborgs Universitet	SE	FORMATH	Formalization of Constructive Mathematics	PE6
DELSING	Per	Chalmers Tekniska Högskola AB	SE	QuOMP	Quantum optics with microwave photons building a tool-box based on superconducting technology	PE3
ELLEGREN	Hans	Uppsala Universitet	SE	NextGenMolEcol	Next Generation Molecular Ecology	LS8
ERIKSSON	Olle	Uppsala Universitet	SE	ASD	Atomistic Spin-Dynamics; Methodology and Applications	PE3
KLARESKOG	Lars	Karolinska Institutet	SE	PreventRA	Genes, environment and immunity in the pathogenesis of rheumatoid arthritis	LS7
NIELSEN	Jens	Chalmers Tekniska Högskola AB	SE	INSYSBIO	Industrial Systems Biology of Yeast and A. oryzae	PE8
PERSSON	Torsten	Stockholms Universitet	SE	StateCap	State Capacity, Development, Conflict, and Climate Change	SH1
STOICA	Peter	Uppsala Universitet	SE	SysTEAM	Systems and Signals Tools for Estimation and Analysis of Mathematical Models in Endocrinology and Neurology	PE7
AGGARWAL	Varinder Kumar	University of Bristol	UK	ROSEPOT	Revolutionising Organic Synthesis: Efficient One-Pot Synthesis of Complex Organic Molecules for Non-Experts	PE5
ATTANASIO	Orazio Pietro	University College London	UK	IHKDC	Exiting long run poverty: the determinants of asset accumulation in developing countries	SH1
ATTWELL	David	University College London	UK	BrainPower	Brain energy supply and the consequences of its failure	LS5
BATTY	Michael	University College London	UK	MECHANICITY	Morphology, Energy and Climate Change in the City	SH3
BELL	Anthony Raymond	The Chancellor, Masters and Scholars of the University of Oxford	UK	CMR	Cosmic ray acceleration, magnetic field and radiation hydrodynamics	PE9
BERG	Maxine	The University of Warwick	UK	Trade	Europe's Asian Centuries: Trading Eurasia 1600-1830	SH6
BICKMORE	Wendy	Medical Research Council	UK	FunctionalEdge	Determining the roles of the nuclear periphery in mammalian genome function	LS2

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BLUNDY	Jonathan David	University of Bristol	UK	CRITMAG	Critical Behaviour in Magmatic Systems	PE10
BORN	Georgina	The Chancellor, Masters and Scholars of the University of Cambridge	UK	MusDig	Music, Digitization, Mediation: Towards Interdisciplinary Music Studies	SH5
BRITCH	Christine	University of Newcastle Upon Tyne	UK	Oncogenomics	Development of high throughput in vivo oncogenomic screening strategies in acute leukaemia	LS7
BROWN	Alistair James Petersen	The University Court of the University of Aberdeen	UK	STRIFE	Spatial and temporal regulation of the fungus-host interaction during life-threatening fungal infections	LS6
CLOKE	Frederick Geoffrey Nethersole	University of Sussex	UK	RTCO	Reductive Transformations of Carbon Oxides	PE5
COULSON	Timothy Neal	Imperial College of Science, Technology and Medicine	UK	LEED	Linking ecological and evolutionary dynamics in theory, in the lab and in the field	LS8
COWBURN	Russell Paul	Imperial College of Science, Technology and Medicine	UK	3SPIN	Three Dimensional Spintronics	PE3
DE LANGE	Nicholas Robert Michael	The Chancellor, Masters and Scholars of the University of Cambridge	UK	MJCBE	Mapping the Jewish communities of the Byzantine Empire	SH6
DIFFLEY	John	Cancer Research UK	UK	EUKDNAREP	The Initiation of Eukaryotic DNA Replication: Mechanism, Regulation and Role in Genome Stability	LS1
DONALDSON	Simon Kirwan	Imperial College of Science, Technology and Medicine	UK	DifferentialGeometr	Geometric analysis, complex geometry and gauge theory	PE1
DRISCOLL	Judith	The Chancellor, Masters and Scholars of the University of Cambridge	UK	NOVOX	Perfectly interfaced nanomaterials for next generation oxide electronics	PE5
DUNLOP	James	The University of Edinburgh	UK	CHOMP	A Complete History of Massive Proto-Galaxies	PE9
ERRINGTON	Jeff	University of Newcastle Upon Tyne	UK	OPAL	Origins, proliferation and pathogenesis of L-form (cell wall deficient) bacteria	LS6
FRISWELL	Michael	Swansea University	UK	OMSAMA	Optimisation of Multiscale Structures with Applications to Morphing Aircraft	PE8
GLUCKSMANN	Miriam	University of Essex	UK	DivLab	Consumption Work and Societal Divisions of Labour	SH2
GOLDSTEIN	Raymond Ethan	The Chancellor, Masters and Scholars of the University of Cambridge	UK	BIOCOMPLEX	Physical Aspects of the Evolution of Biological Complexity	PE3
GOTTLÖB	Georg	The Chancellor, Masters and Scholars of the University of Oxford	UK	DIADEM	Domain-centric Intelligent Automated Data Extraction Methodology	PE6
GREEN	Michael	The Chancellor, Masters and Scholars of the University of Cambridge	UK	STRING	Properties and Applications of the Gauge/Gravity Correspondence	PE2
GREGORY	Jonathan Michael	The University of Reading	UK	seachange	Sea-level change due to climate change	PE10
GREY	Clare Philomena	The Chancellor, Masters and Scholars of the University of Cambridge	UK	LIBNMR	Structure and Function: The Development and Application of Novel Ex- and In-situ NMR Approaches to Study Lithium Ion Batteries and Fuel Cell Membranes	PE5
HALLIDAY	Alexander	The Chancellor, Masters and Scholars of the University of Oxford	UK	NEWISOTOPEGEOSCIENCE	New isotope systems for the geosciences	PE10
HAUSSER	Michael	University College London	UK	DENDRITE	Cellular and circuit determinants of dendritic computation	LS5
HOUSTON	Alasdair Iain	University of Bristol	UK	Evomech	The evolution of mechanisms that control behaviour	LS8
HUCK	Wilhelm	The Chancellor, Masters and Scholars of the University of Cambridge	UK	INTERCOM	The Influence of Interfaces, Confinement and Compartmentalization on Chemical Reactions	PE4
ISIN	Engin	The Open University	UK	OECUMENE	Citizenship after Orientalism	SH2
JONES	Martin	The Chancellor, Masters and Scholars of the University of Cambridge	UK	FOGLIP	Food Globalisation in Prehistory	SH6
KALLIADASIS	Serafim	Imperial College of Science, Technology and Medicine	UK	CIF	Complex Interfacial Flows: From the Nano- to the Macro-Scale	PE8
KWIATKOWSKA	Marta Zofia	The Chancellor, Masters and Scholars of the University of Oxford	UK	VERIWARE	From Software Verification to Everywhere Verification	PE6
LEIGH	Irene May	University of Dundee	UK	TreatSkin	Tissue engineering to evaluate novel treatments for skin cancer and genetic disease	LS7
LINFIELD	Edmund Harold	University of Leeds	UK	TOSCA	Terahertz Optoelectronics - from the Science of Cascades to Applications	PE7
MACE	Ruth	University College London	UK	cultworld	The evolution of cultural norms in real world settings	SH4

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MAGURRAN	Anne	The University Court of the University of St Andrews	UK	BioTIME	Biological diversity in an inconstant world: temporal turnover in modified ecosystems	LS8
MANNERS	Ian	University of Bristol	UK	FUNCA	Functional Nanomaterials via Controlled Block Copolymer Assembly	PE5
MARTINEZ ARIAS	Alfonso	The Chancellor, Masters and Scholars of the University of Cambridge	UK	MOFDH	Molecular origin and function of dynamic heterogeneities in mouse ES cells and pre-implantation embryos	LS3
O'HAGAN	David	The University Court of the University of St Andrews	UK	HorizonCF	New horizons in organo-fluorine chemistry	PE5
PEMBERTON	Josephine Mary	The University of Edinburgh	UK	WEG	Wild Evolutionary Genomics	LS8
PODOLEANU	Adrian	University of Kent at Canterbury	UK	COGATIMABIO	Combined time domain and spectral domain coherence gating for imaging and biosensing	LS7
PONTING	Christopher Paul	Medical Research Council	UK	DARCGENs	Derived and Ancestral RNAs: Comparative Genomics and Evolution of ncRNAs	LS2
RARITY	John	University of Bristol	UK	QUOWSS	Quantum Optics in Wavelength Scale Structures	PE2
SADLER	Peter	The University of Warwick	UK	BIOINCMED	Bioinorganic Chemistry for the Design of New Medicines	PE5
SHELDON	Benjamin Conrad	The Chancellor, Masters and Scholars of the University of Oxford	UK	SOCECOL	Evolutionary Social Ecology in Wild Populations	LS8
SHENNAN	Stephen	University College London	UK	EUROEVOL	Cultural Evolution of Neolithic Europe	SH6
SPECTOR	Tim David	King's College London	UK	EpiTwin	The role of epigenetic factors in the aetiology of common complex diseases using twins	LS9
STEEDMAN	Mark Jerome	The University of Edinburgh	UK	GRAMPLUS	Grammar-Based Robust Natural Language Processing	SH4
STERN	Claudio Daniel	University College London	UK	GEMELLI	Gene networks controlling embryonic polarity, regulation and twinning	LS3
STEWART	Paul	The University of Birmingham	UK	PRECORT	Pre-receptor cortisol metabolism and human ageing	LS4
STYLES	John	The University of Hertfordshire Higher Education Corporation	UK	SESW	Spinning in the Era of the Spinning Wheel 1400-1800	SH6
TYLER	Lorraine Komisarjevsky	The Chancellor, Masters and Scholars of the University of Cambridge	UK	PERCEPCON	From perception to conception: How the brain processes meaningful concepts	SH4
UHLMANN	Frank	Cancer Research UK	UK	ChromoCond	A molecular view of chromosome condensation	LS3
VALENTINE	Gill	University of Leeds	UK	LIVEDIFFERENCE	Living with Difference in Europe - Making Communities out of Strangers in an era of super-mobility and super-diversity	SH3
WEST	Stephen	Cancer Research UK	UK	DNArepair	Defects in DNA strand break repair and links to inheritable disease	LS1

**Panel structure**

**Physical sciences and 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

**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

**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