

**ERC Starting Grant 2009 - First results - LIFE SCIENCES**  
**List of projects invited for funding (alphabetical order)**  
**UPDATED 29/10/2009**

Last Name	First Name	Host Institution	Host Country	Acronym	Project Title	Panel
AKERMAN	Colin	Chancellor, Masters and Scholars of the University of Oxford	UK	Active_Neurogenesis	Activity-dependent signaling in radial glial cells and their neuronal progeny	LS5
AZZALIN	Claus Maria	Eidgenössische Technische Hochschule Zürich	CH	BFTERRA	Biogenesis and Functions of Telomeric Repeat-containing RNA	LS1
BASTO	Renata	Institut Curie	FR	CentroStemCancer	Investigating the link between centrosomes, stem cells and cancer	LS3
BENN	Christine Stabell	Statens Serum Institut	DK	CHILIC	Child health intervention interactions in low-income countries	LS7
BENTIRES-ALJ	Mohamed	Novartis Forschungsstiftung, Zweigniederlassung Friedrich Miescher Institute for Biomedical Research	CH	PTPsBDC	The role of protein-tyrosine phosphatases in breast development and cancer	LS4
BRANZEI	Dana	IFOM Fondazione Istituto Firc di Oncologia Molecolare	IT	REPSUBREP	Regulatory mechanisms coordinating replication integrity and intra-S repair	LS1
CARAZO SALAS	Rafael Edgardo	Eidgenössische Technische Hochschule Zürich	CH	SYSGRO	'Systems' study of cellular growth, shape and polarity	LS2
CARLETON	Alan	Université de Genève	CH	NEUROCHEMS	From neurons to behavior: analysis of the mechanisms underlying sensory coding and plasticity in chemical senses	LS5
CARROLL	Jason Scott	Cancer Research UK	UK	ER_Partners	Chromatin Mediators of Estrogen Receptor Biology	LS4
CH'NG	QueeLim	King's College London	UK	NeuroAge	From Environment to Physiology: Neuroendocrine Circuits and Genetic Mechanisms that Modulate Ageing and Development	LS4
CHIARLE	Roberto	Dipartimento di Scienze Biomediche e Oncologia Umana	IT	LUNELY	ALK as a common target for the pathogenesis and therapy in lymphoma, lung carcinoma and neuroblastoma	LS4
CHOI	David	University College London	UK	HORAB	Source and efficacy of human olfactory ensheathing cells in the repair of brachial plexus avulsion	LS9
COHEN	Haim	Bar-Ilan University	IL	SIRAID	SIRT6 activation for countering age-related metabolic diseases	LS4
COSMA	Maria Pia	Fondazione Telethon	IT	RERE	Wnt/beta-Catenin Signalling Pathway Controls Reprogramming: The Basis Of Regeneration In Higher Vertebrates	LS3
COSSART	Rosa	Université de la Méditerranée - Aix Marseille II	FR	GABA networks	Maturation of functional cortical GABAergic microcircuits	LS5
COSTA	Rui	Fundação Calouste Gulbenkian	PT	Neurohabit	Neural mechanisms of action learning and action selection: from intent to habit	LS5
CREMER-SIXT	Sylvia Maria	Universität Regensburg	DE	SocialVaccines	Social Vaccination in Ant Colonies: from Individual Mechanisms to Society Effects	LS8
CRISTOFARI	Gael	Institut National de la Santé et de la Recherche Médicale (Inserm)	FR	RETROGENOMICS	Mechanisms of retrotransposition in humans and consequences on cancer genomic plasticity	LS1
CÁCERES	Mario	Universitat Autònoma de Barcelona	ES	INVVEST	Evolutionary and functional analysis of polymorphic inversions in the human genome	LS8
DE PALMA	Michele	Fondazione San Raffaele del Monte Tabor	IT	Tie2+Monocytes	Tie2-expressing monocytes: Role in tumor angiogenesis and therapeutic targeting	LS7
DEJARDIN	Jerome	Institut National de la Santé et de la Recherche Médicale (Inserm)	FR	PICHv2.0	The role of heterochromatin enzymes on the biology of their targets	LS2
DESNUES	Christelle	Centre National de la Recherche Scientifique (CNRS)	FR	PathoVirome	Viral metagenomics of human pathologies with unknown etiology	LS7
DIEZ	Stefan	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	DE	NanoTrans	Biomolecular Motor Systems: From Cellular Function to Nanotechnological Applications	LS3
ELSON	Daniel Stuart	Imperial College of Science, Technology and Medicine	UK	OPTIMISE	Optical Platform for Therapy and diagnostic Imaging in Minimally Invasive Surgical Endoscopy	LS7
FOSTER	Kevin Richard	Chancellor, Masters and Scholars of the University of Oxford	UK	InteractingMicrobes	Social Interactions in Microbes	LS8
FRANGAKIS	Achilleas	Johann Wolfgang Goethe Universitaet Frankfurt Am Main	DE	JTOMO	Study of the molecular organization of cell junctions by cryo-electron tomography	LS1
GANDON	Sylvain	Centre National de la Recherche Scientifique (CNRS)	FR	EvolEpid	Evolutionary Epidemiology of Infectious Diseases	LS8
HORNUNG	Veit	Universitätsklinikum Bonn	DE	AIM2 Inflammasome	Cytosolic recognition of foreign nucleic acids: Molecular and functional characterization of AIM2, a central player in DNA-triggered inflammasome activation	LS6
JORON	Mathieu	Centre National de la Recherche Scientifique (CNRS)	FR	MimEvol	Balancing selection and the molecular evolution of mimicry supergenes	LS8
KAESSMANN	Henrik	Universität de Lausanne	CH	SexGenTransEvolution	Sex-biased genome and transcriptome evolution in mammals	LS2
KATONA	István	Kísérleti Orvostudományi Kutatóintézet - Magyar Tudományos Akadémia	HU	BRAINCANNABINOIDS	Understanding the molecular blueprint and functional complexity of the endocannabinoid metabolome in the brain	LS5

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KIRIK	Deniz	Lunds Universitet	SE	TreatPD	Cell and gene therapy based approaches for treatment of Parkinson's disease: from models to clinics	LS5
KLAHOLZ	Bruno	Centre Européen de Recherche en Biologie et Médecine	FR	TRANSLATIONMACHIN	Integrative structure and function study of the bacterial and human protein synthesis machinery.	LS1
KLAUSBERGER	Thomas	Medizinische Universität Wien	AT	HIPPOCHRONOCIRCU	The chronocircuitry of the hippocampus during cognitive behaviour	LS5
KOPS	Geert Johannes Petrus	Universitair Medisch Centrum Utrecht	NL	KINSIGN	Guarding Genome Stability: Dynamic Control of Chromosome Segregation by Kinetochore Signalling Pathways	LS3
KURZ	Thimo Kasimir	University Of Dundee	UK	Nedd8andCRLligases	Regulation and Function of Cullin-Ring E3 ubiquitin ligases and the Nedd8 ubiquitin-like protein modification system	LS1
LASHUEL	Hilal	Ecole Polytechnique Fédérale de Lausanne	CH	Novel Tools in PD	Novel tools for real time monitoring and quantification of protein aggregation in Parkinson's disease and related neurodegenerative disorders	LS5
LEHTONEN	Sanna	Helsingin Yliopisto	FI	DiaDrug	Insulin resistance and diabetic nephropathy - development of novel in vivo models for drug discovery	LS9
LENNON-DUMENIL	Ana-Maria	Institut Curie	FR	STRAPACEMI	Spatio-temporal regulation of antigen presentation and cell migration	LS6
LICKERT	Heiko	Helmholtz Zentrum Muenchen Deutsches Forschungszentrum Fuer Gesundheit Und Umwel GMBH	DE	CiliaryDisease	Deciphering mechanisms of ciliary disease	LS3
LISBY	Michael	Københavns Universitet	DK	DeFact	DNA repair factories - how cells do biochemistry	LS1
LOPEZ-BENDITO	Guillermina Eloisa	Consejo Superior de Investigaciones Científicas	ES	RECORTHA	RECORTHA: Rewiring cortical areas through thalamocortical inputs	LS5
LOUDET	Olivier	Institut National de la Recherche Agronomique	FR	DECODE	Decoding the complexity of quantitative natural variation in Arabidopsis thaliana	LS2
LUYSSAERT	Sebastiaan	Laboratoire des Sciences du Climat et l'Environnement (LSCE)	FR	DOFOCO	Do forests cool the Earth? Reconciling sustained productivity and minimum climate response with portfolios of contrasting forest management strategies	LS9
MAESTRE GIL	Fernando Tomás	Universidad Rey Juan Carlos	ES	BIOCOM	Biotic community attributes and ecosystem functioning: implications for predicting and mitigating global change impacts	LS8
MANLEY	Suliana	Ecole Polytechnique Fédérale de Lausanne	CH	PALMassembly	Protein assembly: From the molecular scale to the mesoscale with super-resolution imaging	LS1
MAURICE	Madelon Maria	Universitair Medisch Centrum Utrecht	NL	MechWNTsignals	Mechanisms of Wnt Signaling Initiation	LS3
MCGREGOR	Alistair	Veterinärmedizinischen Universität Wien	AT	ESED	Evolution of sensory organ morphology: genetic analysis of eye size evolution in Drosophila	LS3
MEDALIA	Ohad	Ben-Gurion University of the Negev	IL	INCEL	Revealing the molecular architecture of integrin mediated cell adhesion	LS1
MEISTER	Gunter	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	DE	srnas	Small non-coding RNAs in cell function and disease	LS1
MICHAELIS	Jens	Ludwig-Maximilians-Universität München	DE	REMODELLING	ATP dependent nucleosome remodelling - Single molecule studies and super-resolution microscopy	LS1
MIRASTSCHIJSKI	Ursula	Medizinische Hochschule Hannover	DE	wound contraction	Keratinocytes and Matrix metalloproteinases: driving force of skin wound contraction?	LS9
MORILLON	Antonin	Centre National de la Recherche Scientifique (CNRS)	FR	EPIncrNA	Epigenetic and genome stability: non coding RNA-mediated chromatin modifications in S. cerevisiae	LS2
NAHMIA	Yaakov	Hebrew University of Jerusalem	IL	TMIHCV	Microfabrication-Based Rational Design of Transcriptional-Metabolic Intervention for the Treatment of Hepatitis C Virus (HCV) Infection	LS9
O'DOHERTY	John	Provost Fellows and Scholars of the College of the Holy and Undivided Trinity of Queen Elisabeth Near Dublin	IE	RLpharmfMRI	Beyond dopamine: Characterizing the computational functions of midbrain modulatory neurotransmitter systems in human reinforcement learning using model-based pharmacological fMRI	LS5
PAN HAMMARSTRÖM	Qiang	Karolinska Institutet	SE	ImmunoSwitch	Switch recombination: a model system for DNA editing and repair in human lymphocytes with relevance for primary immunodeficiency and cancer formation	LS6
PANOUSAKOPOULOU	Vily (Vassiliki)	Biomedical Research Foundation, Academy of Athens	EL	Opn-immunoregulation	Immune mechanisms of osteopontin-mediated protection in allergic airway disease	LS6
PERI	Francesca	Europäisches Laboratorium für Molekularbiologie	DE	FPMICROGLIA	Towards a dynamic quantitative understanding of neuronal microglial interactions	LS3
PRIETO	Maria-Pilar	Instituto de Agricultura Sostenible - Consejo Superior de Investigaciones Científicas	ES	swcd	Development of super-wheat crops by introgressing agronomic traits from related wild species	LS9
SALEH	Maria-Carla	Institut Pasteur	FR	AntiviralRNAi	RNAi-mediated viral immunity in insects	LS6
SANDBERG	Rickard	Karolinska Institutet	SE	Single-cell Genomics	Single-cell Gene Regulation in Differentiation and Pluripotency	LS2

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SCHEENEN	Tom	Radboud Universiteit Nijmegen - Stichting Katholieke Universiteit	NL	EXACTA	Exploring the aggressiveness of prostate cancer to enable an individualised treatment approach	LS7
SCHNEIDER	Matthias	Universität Augsburg	DE	NanoBlood	A physical understanding of blood clotting and clotting disease New Concepts and Technologies	LS9
SCHRÖDER	Leif	Forschungsverbund Berlin e.V.	DE	BiosensorImaging	Hyperpolarized Biosensors in Molecular Imaging	LS7
SONG	Bing	University Court Of The University Of Aberdeen	UK	SciNscEF	Repair Spinal Cord Injury by Controlling Migration of Neural Stem Cells - multidisciplinary approaches of electric stimulation and nanotechnology	LS7
SONVEAUX	Pierre	Université Catholique de Louvain	BE	TUMETABO	Glycolytic contribution to cancer growth and metastasis	LS4
SPAGNOLI	Francesca M.	Max-Delbrück-Centrum für Molekulare Medizin	DE	HEPATOPANCREATIC	Mechanisms Underlying Cell Fate Decision Between Pancreas And Liver	LS7
STARK	Alexander	Forschungsinstitut fuer Molekulare Pathologie Ges.m.b.H	AT	Regulatory Genomics	Regulatory Genomics in Drosophila	LS2
STROUS	Marc	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	DE	MASEM	Making Sense of Metagenomes	LS8
SUMBRE	German	Institut National de la Santé et de la Recherche Médicale (Inserm)	FR	Zebrafish Perception	Sensory perception: neural representation and modulation	LS5
SUMPTER	David	Uppsala Universitet	SE	ID-CAB	Individual differences in Collective Animal Behaviour	LS8
TEOTONIO	Henrique	Fundacao Calouste Gulbenkian	PT	EXPTEVOLCELEGANS	A study on the interaction among natural selection, mutation and recombination, with Caenorhabditis elegans experimental evolution	LS8
TREPAT GUIXER	Xavier	Universitat de Barcelona	ES	GenesForceMotion	Physical Forces Driving Collective Cell Migration: from Genes to Mechanism	LS3
VAN DEN BRINK	Gijs	Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	NL	Morphostasis	Morphostasis of the intestinal mucosa and it's deregulation in cancer and inflammation	LS4
VERSTREPEN	Kevin J.	VIB	BE	RepeatsAsMutators	The biological role of tandem repeats as hypervariable modules in genomes	LS2
VIGNUZZI	Marco	Institut Pasteur	FR	RNAvirusPopDivNVax	RNA virus population diversity, virulence, attenuation and vaccine development	LS6
VOEHRINGER	David	Ludwig-Maximilians-University Munich	DE	PAS	Persistence of allergic sensitization	LS6
VON MERING	Christian	Universität Zürich	CH	UMICIS	Uncultivated Microbes In Situ - a Computational Biology Approach to Determine Molecular Capabilities and Ecological Roles	LS2
WIGGE	Philip Anthony	John Innes Centre	UK	TEMPEST	Temperature perception and signal transduction in plants	LS3
ZUIDEMA	Pieter Alle	Universiteit Utrecht	NL	TROFOCLIM	Tropical forests and climate change: understanding links to predict future responses	LS8

**Panel structure**

**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