

Scientific Committee

■ Bioindustry Park del Canavese

- Dr. Silvano Fumero

CEO and founder of Creabilis therapeutics (<http://www.creabilistherapeutics.com>). Former Senior Executive Vice President of Serono, Geneva, Head of Research and pharmaceutical development since April 1996 till April 2003. From 1991 to 1996 responsible of LCG Bioscience, a European network, based in London, of contract research labs and clinics in the field of drug development, specifically toxicology, pharmacokinetics, metabolism and phase I. General Manager of RBM from 1987 to 1991. Various research positions including two years, 1982 and 1983, as toxicologist at the Directorate Chemical and Pharma Industry of the European Commission in Brussels. In total more than 35 years in the field of research and development of the pharma/biotech sector. In 1992 he has been the promoter and founder of the Bioindustry Park of Canavese, Ivrea, Turin and currently he is contract professor of Industrial Research and Development at the University of Turin, faculty of biotechnology.

- Dr. Fulvio Uggeri

Director, Milano Research Centre at Bracco S.p.A., now Bracco Imaging S.p.A., Milano. Former Executive Vice Director, Milano Research Centre at Bracco S.p.A., and Head, International Project Planning R&D from 1998 to 1999. Section Leader, Organic Chemistry Dept. In Bracco S.p.A. from 1985 to 1998. From 1982 to 1985 was Researcher at Zambon Chimica S.p.A., Milano. He was Researcher in the Prof. Eaton's group, Department of Chemistry, University of Chicago from 1981 to 1982 and from November 13, 1978 to September 11, 1981 was researcher at Blasinachim S.p.A., Milano. He is member of Società Chimica Italiana, American Chemical Society, New York Academy of Sciences, Segreteria Tecnica della Programmazione della Ricerca del MIUR, Board of Experts in the data bank of the Italian Ministry of Education, University and Scientific Research – MIUR, Board of Experts of the Committee for Research Evaluation – CIVR and Board of Experts in the data bank of the Italian Ministry of Productive Activity – MAP. He was member of European Research Advisory Board (EURAB) (2001 - 2004). He is contract professor at the Pisa University in the faculty of chemistry and pharmaceuticals technologies. He is author of more of 80 scientific articles and of 35 patents.

- Prof. Mauro Fasano

Graduated in Chemistry with honors in 1989 and got his Ph.D. in Chemical Sciences in 1992, both from the University of Torino, Italy. From 1992 to 2000 he has been appointed to a position of assistant professor of chemistry at the Faculty of Sciences of the University of Torino. From 2000 to date he is Associate Professor of Biochemistry at the Faculty of Sciences of the University of Insubria, Varese, Italy, where he directs the biochemistry laboratory at Busto Arsizio outstation. Since 1998 he supervises the Biochemistry and Proteomics unit of the Bioindustry Park Canavese. His scientific interests mainly deal with biochemical investigations of the molecular basis of neurodegenerative diseases, in particular Parkinson's disease, by means of biophysical and proteomics techniques. He is vice-director of the Department of Structural and Functional Biology of the University of Insubria, scientific secretary of the Centre of Neuroscience at the same university, vice-president of the Italian NMR discussion group, president-elect of the life science division of the Italian Chemical Society. He is also member of the Italian Society of Biochemistry and Molecular Biology, of the League against Parkinson's Disease, of the Italian section of the Human Proteome Organization. He acts as a reviewer for many journals ranked in the categories Biochemistry and molecular biology and Neurosciences. He is author of more than 70 papers on peer-reviewed journals and of some contributions to edited books.

- Prof. Piergiorgio Strata

Piergiorgio Strata is Professor of Neurophysiology in University of Turin, Director of the Rita Levi Montalcini Center for Brain Repair and President of the Consortium named Istituto Nazionale di Neuroscienze. He authored over 150 publications on cerebellar physiology and more recently on cerebellar neuronal plasticity. He started his carrier in Pisa working with Giuseppe Moruzzi and as post-doc with Sir John Eccles in Canberra and Chicago. He was Honorary Professor of Neurology at the Northwestern University of Chicago. Prizes: Lepetit Prize for the MD thesis, the Prize of the Italian Society of Electroencephalography and Clinical Neurophysiology, the Golgi Prize by "Accademia dei Lincei", the Herlitzka Prize, the Medal of the Italian National Academy of Science, the Garavoglia international Prize for Neurology, the Feltrinelli Prize 2004. IBRO Award 2004. Member of Academia Europaea. Editorial activity: board of several Journals, co-editor of Exp. Brain Res., Associated Editor of News in Physiol. Sci., Director of Symposia and Workshops Program of IBRO and Publication Committee of IBRO. Several Grant review Committees, including Telethon, Human Frontier Science Program. Scientific Societies: Council Member of European Neuroscience Association and European Brain and Behaviour Society, President Italian Neuroscience Society, Vice-President European Neuroscience Association, Governing Council of IBRO, Executive Committee Member and Treasurer of IBRO, Executive Committee European Dana Alliance for Brain, European Brain Council, Advisory Committee for Biomedicine in the National Research Council. Governmental service positions: several Advisory Committees of the Ministers of University and Scientific Research, and of Health; Delegate of the Minister to the G7 Conference at the White House (Washington) to discuss the future of the Human Frontier Science Program; Board of Trustees of the Human Frontier Science Program; European Program COST-Neuroscience; Management Committee of the Program 'Biomedicine and Health' at the European Community and in the Program Committee of the Fifth Frame Quality of Life Program at the European Community; Coordinator of the Neuroscience National Committee nominated by the Minister.

- Prof. Leonardo Lopiano

Leonardo Lopiano graduated in Medicine in 1983 from the University of Torino with full grades (110/110, cum laude).

From 1984 to 1986, he worked as a Doctorate fellow (Ph.D. in Neurological Sciences) at the Institute of Physiology of the Nervous System, Italian National Research Council (CNR), in Milano, and from 1987 to 1989 at the Institute of Human Physiology of the University of Torino. He earned the Ph.D. degree in Neurological Sciences in 1989 and specialised in Neurology at the University of Torino in 1992. From 1995 he serves as Consultant Neurologist at the 1° Neurology Division of the Torino University Hospital. From 1998 he is responsible for the outpatient clinics for movement disorders, and is mainly concerned with the surgical therapy of Parkinson's Disease (patient selection, intra-operative monitoring, follow-up). Associate Professor in Neurology since 1-11-2002, and Full Professor in Neurology since 1-11-2005 at the Neuroscience Department of the University of Torino.

He is author of more of more of 50 scientific articles.

■ BioAlps

- Prof. Ann Kato, Department of Basic Neuroscience, Faculty of Medicine, University of Geneva

Ann C. Kato took her B.Sc., M.Sc. and Ph.D. degrees from the Department of Biochemistry, McGill University in Montreal, Canada in the field of molecular biology. From 1994 to 1997, she did her post-doctoral training at the Collège de France, Paris where she began working on degenerative diseases of the nervous system. In 1977 she joined the Faculty of Medicine at the University of Geneva where she is now Professor in the Department of Basic Neuroscience. Her field of research is related to diseases of the motor system particularly amyotrophic lateral sclerosis and she has established scientific collaborations throughout the world. She was Vice-president and then President of the Swiss Society for Neuroscience from 1996 to 2000 and has been a member of the advisory board of the Technology Transfer Office at the University of Geneva since 1998.

Professor Ann Kato organized Brain Week at the University of Geneva from 1997 to 2004 and she is the founder of the Lake Geneva Innovation Society (www.lgis.ch). She is also an honorary member of the European Dana Alliance for the Brain and an elected member of the Western European Chapter of the International Brain Research Organisation (IBRO). She is President of the Swiss Committee for the organisation of the Federation of European Meeting of Neurosciences (FENS) in Geneva in 2008.

- Prof Pierre Magistretti, Directeur du Centre de Neurosciences Psychiatriques, Département de Psychiatrie CHUV/UNIL ainsi que Co-Directeur du Brain Mind Institute, EPFL.

Pierre J. Magistretti is Director of the Psychiatric Neurosciences Center of the University of Lausanne and university hospitals and is co-director of the Brain and Mind Institute of the Federal School of Technology, Lausanne. He received his MD from the University of Geneva and his PhD from the University of California at San Diego, while working at the Salk Institute with Dr Floyd E. Bloom. Pierre J. Magistretti has been Professor of Physiology (1988 - 2004) and Co-Chairman of the Department of Physiology (2001-2004) at the University of Lausanne Medical School. Pierre J. Magistretti made significant contributions in the field of brain energy metabolism. His group has discovered some of the cellular and molecular mechanisms that underlie the coupling between neuronal activity and energy consumption by the brain. This work has considerable ramifications for the understanding of the origin of the signals detected with the current functional brain imaging techniques used in neurologic and psychiatric research. He is the author of over 120 articles published in peer reviewed journals. He is the co-author of a book on neuronal plasticity and the neurobiological bases of the unconscious ("A chacun son cerveau" François Ansermet and Pierre Magistretti, Odile Jacob, Paris, 2004).

He is the recipient of the 1997 Theodore-Ott Prize of the Swiss Academy for Medical Sciences. In 2001 Pierre J. Magistretti has been elected member of Academia Europaea (Physiology and Medicine), and in 2003 he has been elected ad personam member of the Swiss Academy of Medical Sciences. Since 2005, he is Professor of Neuroscience and Co-Director of the Brain and Mind Institute at EPFL and Director of the Center for Psychiatric Neuroscience at the University of Lausanne Medical School and Hospital (CHUV). He has been Vice-Dean of the University of Lausanne Medical School from 1996 to 2000.

The group directed by Pierre J. Magistretti consists of 20 scientists, over two thirds of which are supported by grants awarded on a peer-review basis (eg Swiss National Science Foundation, European Community, Human Frontier Science Organization)). Over the last five years he has given over 80 invited lectures at international meetings or at universities in Europe and North America, including the 2000 Talairach Lecture at the "Functional Mapping of the Human Brain Conference". In November 2000 he has been a "Mc Donnell Visiting Scholar" at Washington University School of Medicine and he has been awarded the 2002 Emil Kraepelin Professorship of the Max-Planck Institute of Psychiatry in Munich.

Pierre J. Magistretti is or has been member of several international scientific advisory boards, which include among others the Swiss National Science Foundation, the Human Frontier Science Program, Instituts Fédératifs de Recherche of Collège de France, University of Caen (1998 -), University of Bordeaux (1995 -), the Advisory Board of the Department of Clinical Research, University Hospital of Basel (1998-1999). He is member of the editorial boards of six journals and is the Editor of Brain Research Reviews.

Pierre J. Magistretti is the Past - President (2002 - 2004) of the Federation of European Neuroscience Societies (FENS) which has a membership of over 18000 European neuroscientists. He has been first president of the Swiss Society for Neuroscience (1997-1999) and the first Chairman of the Department of Neurosciences of the University of Lausanne (1996 - 1998). He is Vice-Chairman of the European Dana Alliance for the Brain (EDAB). He has been on the Board of Directors of the International Society of Blood Flow and Metabolism (1999 - 2003), of the Council of the Swiss Society for Biological Psychiatry (1992 - 1995) and of the French Society of Neuroscience (1993 - 2000).

- Dr. Laurent Choppe, General Manager Neurochem (International) Ltd, Lausanne

Dr. Choppe is a Doctor of Veterinary Medicine of the Université Paris XII, is a laureate of the École Nationale Vétérinaire d'Alfort (France) and earned a MBA from INSEAD in Fontainebleau, France.

Dr. Laurent Choppe oversees responsibility for Neurochem (International) Limited's European operations and brings an extensive international pharmaceutical experience in setting up new businesses and managing multi-functional teams. Prior to joining Neurochem in September 2004, he led the marketing of major prescription drugs in dermatology, allergy, respiratory and animal health at Schering-Plough France. In 1998, Dr. Choppe became General Manager and was assigned to establish the first Schering-Plough subsidiary in Israel, where he developed and headed up business, medical and regulatory operations. As a co-founder of Pharma Israel, the research-based industry association, he was involved in the development of new regulations on parallel import, reference pricing and intellectual property rights. In 2002, he moved up to Vice President, Virology, Oncology and Cardiology at Schering Canada Inc., where he launched two major specialty care products.

- Dr. Andrea Pfeifer, CEO-Founder AC Immune

As the former head of the Nestlé Research Centers in Lausanne and Tours (France) performing basic research for the whole Nestlé Group, where she managed a group of more than 600 people, Dr. Pfeifer brings 15 years of senior management experience with a broad R&D, business and international exposure. While at Nestlé, she led the development of the first Functional Food, LC1, and the first Cosmeceutical product in a joint venture with L'Oréal, Innéov Fermeté. She also co-founded the Nestlé Venture Capital Fund, a € 100Mio. Life Sciences corporate venture fund. She is an international expert in Biotech and a Professor of Biotechnology at the University of Lausanne. Dr. Pfeifer completed her studies and doctoral work in Pharmacy and Pharmacology at the University of Würzburg, Germany, and continued with post-doctoral work in Molecular Carcinogenesis at the National Institutes of Health, Human Carcinogenesis Branch, in Bethesda, USA. She has published more than 200 papers and abstracts in leading scientific journals. Andrea Pfeifer is founder and CEO of AC Immune, a pharmaceutical Biotech with focus on Alzheimer's disease.

- Dr. Johan Luthman, Head of Neuroscience, SERONO

Johan Luthman studied dentistry and medicine at Karolinska Institute, Stockholm, continuing with a Ph.D. in neuroscience in 1989. Thereafter he worked as a research fellow at departments of Pharmacology and Psychiatry, University of Colorado, and as an associate professor at Department of Neurobiology, Karolinska Institute. Dr Luthman obtained a professorship in Pharmacology in 2002. He joined Astra Research Laboratories, Södertälje, in 1991 where he held positions as Project Director, Director of Biochemistry and Cell Biology departments in Astra and in AstraZeneca as Director Bioscience followed by an appointment to lead the Discovery Medicine effort in neurology and analgesia as Director Translational Science Neurology & Analgesia. In late 2005, he joined Serono Pharmaceuticals in Geneva, as Head of Neuroscience in the research organization. The primary research interest of Dr. Luthman is in the area of neurodegenerative diseases, such as stroke, Parkinson's disease, Alzheimer's disease and multiple sclerosis as well as pain research. He has focused some of his scientific efforts in recent years on the refinement of pharmacodynamic mechanism models and technologies to obtain better PK/PD analysis and improved translational aspects to man. Dr. Luthman has published over 80 original scientific reports in preclinical and clinical journals and he serves in the editorial board of scientific journals.

■ ADEBAG

- Prof. Michel Jouvet

Professor and further Professor of Physiology, he was Director of the Department of Experimental Medicine at the Faculty of Medicine, Claude Bernard University of Lyon (France). He was past Director of the Laboratory Unit URA 1195 of CNRS also Laboratory of Molecular Oneirology Inserm Unit U 52, a famous laboratory with a worldwide reputation on sleep research and sleep-wake states neurobiology. Michel Jouvet led this group for more than 30 years and did pioneering work in deciphering the mechanisms of sleep, particularly those of paradoxical (REM) sleep and dreaming. Indeed he discovered this particular stage in the cat which allowed him to play a crucial leader role in the understanding of sleep. He named this particular state as paradoxical sleep since it paradoxically joins profoundly deep sleep and muscle atonia with cortical electrical brain activation, similarly to the waking state. This allowed him to propose sleep as an active stage of the brain. He pioneered the study of oneiric physiology and behavior, pointing out to the essential unity of dream sleep in all higher animals. Michel Jouvet is now emeritus Professor at Lyon 1 University.

He is member of the editorial committee for various scientific journals (Brain Research, Biochemical Pharmacology, International Journal of Neuroscience, etc...) He is author of more than 400 papers on neurobiology field and of five successful books as "La Natura del Sogno (Theoria, Roma, 1991)", Le Grenier des rêves (Odile Jacob, 1997) OÙ, quand, comment. Pourquoi rêvons-nous, pourquoi dormons-nous ? (Odile Jacob, 2000)

He is also member of very prestigious scientific societies : Sciences Academy France, l'Academia Europaea, of Royal Academy of Medicine of Belgium, American Physiological Society and he is also Docteur Honoris Causa of Zurich University, Liège University, Montréal University and Technion (Israël)

He was awarded many notorious prizes as the Peter C. Farrell Prize in Sleep Medicine in recognition of his lifetime of scientific contributions to the field of sleep medicine in 2003, and was recipient of Distinguished Scientist Award of The Sleep Research Society, USA (1989), Golden Medal of CNRS (1989), Golden Medal GB Morgani, Padova University, Italy (1988), Bing Prize of the Swiss Academy of Medical Sciences (1966).

- Prof. Claude Feuerstein

Graduated as Medical Doctor in 1977 (thesis^{1st} price laureate) at Grenoble 1 university and got his Diploma in Studies and Research in Human Biology as neurophysiologist in 1982 at Lyon 1 university. From 1978 to 1981 he has been appointed to a position of "Assistant Hospitalo-Universitaire" in Physiology and Functional Explorations at Grenoble University, then from 1981 to 1990, as Assistant Professor and from 1990 as full Professor. From 1997 he is "Chef de Service Hospitalier" in Functional Explorations and specifically directs Central Nervous System explorations.

His scientific interests mainly deal with the plasticity of the central nervous system, namely that concerned by neurodegenerative diseases such as Parkinson's disease and Basal Ganglia circuitry.

More recently he played a role in deciphering the mode of action of deep brain stimulation of the subthalamic nucleus, a dramatic functional therapy of patients with severe movement disorders. He was Dean of Joseph Fourier – Grenoble 1 University from 1997 to 2002 and President of the Research Committee of the French Conference of the University Deans (CPU) from 2001 to 2002, Consultant for Life Sciences and Health by the Director of Higher Education at the Ministry of State Education, Higher Education and Research from 2002 until now. He also is Scientific Coordinator of

the cluster settled by Rhône-Alpes Region and entitled « Handicap, Ageing, Neurosciences » from April 2005 and Director of Grenoble Institute for Neurosciences, actually on building process, to be opened in 2007.

He is referee for various scientific journals (Eur. J. Pharmacol., Exp. Brain Res., J. Neurochem., Int. J. Dev. Neurosci., Eur. J. Neurosci., Brain, Res., J. Chem. Neuroanat., etc...), member of the editorial committee of Clinical Neurophysiology and referee by the National Science Foundation, USA. He is member of various scientific societies (Society of Physiology, Clinical Neurophysiology, Pharmacology, Société Française de Recherche sur le Sommeil, European Sleep Research Society, Société des Neurosciences, Society for Neuroscience, International Basal Ganglia, International Brain Research Organization, etc.). He is author of more than 85 papers on peer-reviewed journals.

- Xavier Priquel Ph. D

CEO and founder of ISIS SAS (<http://www.isis-robotics.com>).

From 1991 to 2000 he worked as R&D Electronics Department Manager of Elekta IGS in Grenoble. In 1996 he held the position of project leader of the SurgiScope product, a ceiling-mounted robotic microscope for neurosurgical application, which was initially developed in partnership with Professor Alim Louis Benabid at the Centre Hospitalier Universitaire A. Michallon (Grenoble). In 2000, with former Elekta IGS engineers, he impulsed the creation of ISIS SAS which dedicates its actions within the operating rooms' engineering. He launched a frameless robot-guided system for neurosurgical applications and many other evolutions linked to the SurgiScope Product. In 2002, ISIS started a partnership with the French Army Instruction Hospitals and the DGA, and was at the head of a Multidisciplinary Surgical Robotic Tele Assistant system project. In 2005, ISIS launched new stand alone operating room Digital Imaging displays and started collaboration with Dr J-P LEFAUCHEUR, neurologue C.H.U. Henri Mondor, in the field of Transcranial Magnetic Stimulation.

- Hervé Perron, bioMérieux, Senior Research Director Neurological diseases Unit

PhD in 1991 (Virology) and HDR (Professoral Thesis / Neuroimmunology) at Grenoble 1 (Joseph Fourier University). Presently thesis Director at the "Doctoral School" of University Claude Bernard Lyon-1, directing PhD theses and professional masters.

Appointed from 1991 to 1998 as research scientist and, further, as research project manager in the CNRS-bioMérieux joint unit in Lyon, he has led the research and managed the project for the molecular characterisation of a novel retroviral element isolated from patients with Multiple Sclerosis, which resulted in the identification of genetic sequences of a novel retroviral genome (MSRV) defining a novel family of human endogenous elements (HERV-W), published successively in PNAS (1997), Virology (1998) and J. Virol. (1998). From 1999 to 2001, he has been appointed as Scientific Director of bioMérieux STELHYS, a spin-off society dedicated to the evaluation of strategic developments from results of upstream research projects, within bioMérieux industrial group.

From 2001 to 2005, he has been appointed as R&D research director and senior manager of R&D programs on Neurological diseases within bioMérieux SA, targeting in vitro diagnosis of prion infection in human and animal blood, early biomarkers of Alzheimer's disease in blood and CSF, Stroke blood biomarkers, and more generally biomarkers panels for the development of novel avenues introducing "In Vitro Diagnostics" (IVD) in the domain of Neurological diseases. From 2006 he shares his activities between bioMérieux SA as research director in IVD programs for neurological diseases and as Chief scientific officer in GENEURO (a Swiss company) for the development of an innovative therapeutic product in Multiple Sclerosis.

He has been referee for various scientific journals: AIDS Research and human retroviruses, Archives of General Psychiatry, Brain, CNS and drug therapy, Expert Review of Clinical Immunology, Genes and Immunity, Genomics, Journal of General virology, Journal of Investigative Dermatology, Journal of Medical virology, Journal of Neuroimmunology, Journal of Virology, Proc. Natl. Acad. Sci. (USA), Trends in Microbiology, Virology, Annales de biologie clinique.

He is expert referee for The Multiple Society of Great-Britain and Northern Ireland, The Stanley Medical Research Institute and has previously been an external expert referee for University College of London, the Italian "Sclerosi Multiple Associazione per la ricerca", and the french "Association pour la recherche sur la Sclérose en plaques". He is Member of the Strategic



Committee of BIOPARK in Archamps (Within Geneva area on the french side). He is author of more than 57 patents published and listed in esp@cenet, is author or co-author of 844 nucleotide sequences and 140 protein/aminoacid sequences deposited in databases as listed in ENTREZ-Nucleotide or ENTREZ-Protein NCBI databases and is author in more than 50 publications, 43 of which are listed in ENTREZ-PubMed database for peer-reviewed international papers. His present domain of interest relies upon diagnostic and therapeutic innovation (research and development) in neurological diseases.