

Executive Committee

President

Manuel Prieto



Officers and Members of the Council.

After the elections recently held the list of Officers and Members of Council will be the following (they will take office at the end of the General Assembly that will take place on October 6th, 2021).

President: Manuel Prieto

Past President: Marcelo Morales

President Elect: Athony Watts

Secretary General: Juan C. Gómez-Fernández

Treasurer: Christina Sizun

Councillors:

Gabriela Amodeo

Anastasia A. Anashkina

John Baenziger

Matthew Baker

V. R. Chary

David Crossman

Ana Denicola

Hans-Joachim Galla

Angela M. Gronenborn

Takayuki Nishizaka

Peter Pohl

Gabriella Viero

Manuel Prieto is Full Professor of Instituto Superior Técnico (IST), of “Universidade de Lisboa” (Portugal). His work in Molecular and Cell Biophysics obtained international recognition in the area of advanced photophysical methodologies, namely on the application of state-of-the art fluorescence methodologies, both in ensemble average and under the microscope, allowing to retrieve topological and dynamic information on biological systems, using quantitative approaches. Examples of the broad research interests are membrane biophysics such as phase diagrams, detection and study of membrane nanodomains, lipid-protein/peptide and lipid-DNA interactions, amyloid fiber formation, and ion channels.

He has been deeply involved in international organizations, namely in Europe and Latin America, was a former President of EBSA and is a regular collaborator of international agencies e.g., at the EU (<https://www.cienciavitae.pt/portal/en/081E-5F1A-C476>).

Executive Committee

Past President

Marcelo Morales



Graduated in Medicine from the University of São Paulo (1995) and Ph.D. in Biological Sciences (Biophysics) from the Federal University of Rio de Janeiro (1998). Morales is currently a Full Professor at the Federal University of Rio de Janeiro, where his line of research is focused on the area of Biophysics and Physiology, with an emphasis on Biophysics and Cellular and Systems Physiology (Renal and Respiratory) and Molecular Biology. He works mainly on the following topics: a) Gene expression of ion transporters in the renal and pulmonary epithelium; Cell Therapies (stem cells) in models of kidney and lung disease; c) Gene Therapy in animal models using viral and non-viral vectors (nanoparticles) in prevalent diseases. Its preclinical research results are already being tested in humans, as is the case with therapy using bone marrow-derived stem cells for the treatment of pulmonary silicosis, asthma, emphysema, segmental and focal glomerulosclerosis. He has an important role in Brazilian and International scientific policy: He was General Secretary and President of the Latin American Federation of Biophysical Societies (LAFeBS), Former President and Secretary General of the Brazilian Biophysics Society (SBBf), Former Coordinator of the Brazilian Council of Animal Experimentation Control (CONCEA) of the Ministry of Science and Technology and Innovation (MCTI), Member of the Council of the International Union of Biophysics (IUPAB). He was also Coordinator of the Latin American Graduate Program in Biophysics (POSLATAM - linked to IUPAB), Secretary of the Brazilian Federation of Experimental Biology Societies (FESBE), Secretary of the Brazilian Society for the Advancement of Science (SBPC). He was Director of Agricultural, Biological and Health Sciences at Brazilian Nacional Council For Research (CNPq) (2014-2019) and assumed the interim Presidency of CNPq (September to December 2016) and the role of Deputy President (2015-2019). He is currently the President of the International Union of Pure and Applied Biophysics (IUPAB) (for 2017-2021), and Full member of the Brazilian Academy of Sciences, the National Academy of Medicine and the National Academy of Pharmacy. He is the current Secretary of State for Policies for Training and Strategic Actions at the Ministry of Science, Technology, Innovations and Communications of Brazil.

President Elect

Anthony Watts



Tony Watts is at the Biochemistry Department, Oxford University, Oxford UK, since 1980, being a full time Tutorial Fellow at St Hugh's College, Oxford, finally taking the role as Vice-Principal (2015-2017). Currently he is an Emeritus Professor at this University. He has been interested in spectroscopic techniques, like ESR and NMR applied to membranes and also to applications like Lipodiscs. He has been very active with the British Biophysical Society, being chair of this Society and also a member of the Executive Committee of the European Biophysical Societies' Association (EBSA) and President of this Association. He has been managing editor of the European Biophysics Journal, Editor in Chief of Biophysical Chemistry and an Associate Editor of the Biophysical Journal, Tony also sat on the editorial board of and several other Journals. He is also a Fellow of the Royal Chemical Society, the Institute of Physics, the Royal Society of Biology and the Biophysical Society, as well as recipient of several national and international awards. In October 2021, Tony assumed the role of President-elect of IUPAB

Executive Committee

Secretary General

Juan C. Gómez-Fernández



Emeritus Professor at the Department of Biochemistry and Molecular Biology A, University of Murcia, Spain. Editorial Boards: Chemistry and Physics of Lipids (Elsevier); Biomedical Spectroscopy and Imaging (IOS Press). Biophysical Reviews (Springer). Biomolecules (MDPI). Professional Memberships: President of the Spanish Biophysical Society (2010-2014). -President of the Academy of Science of Murcia (2015-2019). Secretary General of the International Union for Pure and Applied Biophysics since 2017 and currently. Current Research interest: My current research interests are related to the interaction with lipids of PKCs iso-enzymes and to molecular interactions in membranes and the application of nanoparticles in Medicine and Technology.

Treasurer

Christina Sizun



Christina Sizun received a PhD degree in physical chemistry from the University of Strasbourg in 2001. She developed her interest in Nuclear Magnetic Resonance, in the liquid and solid state, and first applied it to inorganic catalysis, then to biological molecules. After post-doctoral stays at the Max Planck Institute for Biochemistry in Martinsried and at the European Institute for Chemistry and Biology in Bordeaux, she was appointed a permanent researcher position at the French National Center for Scientific Research in Gif-sur-Yvette, one of the high field NMR locations in France. She is presently a group leader. She investigates the structure and dynamics of viral proteins, notably of respiratory syncytial virus, to establish the structural bases of their mechanisms and assess their potential as antiviral targets. She is involved in biological NMR teaching and has been active in the French Biophysical Society for several years.

Councillors

Gabriela Amodeo



Ph.D. in Biology, Universidad Nacional del Sur, Argentina
Associate Professor, Departamento de Biodiversidad y Biología Experimental, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires
Principal Investigator, IBBEA (UBA-CONICET)

Contact: amodeo@bg.fcen.uba.ar

Fulbright Scholar (2004)

Past-President Sociedad Argentina de Biofísica (2015-2016)

Member of the Biophysics Node in AUGM (Asociación de Universidades Grupo Montevideo)

Research field: plant aquaporins, physiology and biophysics, plant water relations

ORCID ID 0000-0003-3350-4750

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Anastasia A. Anashkina

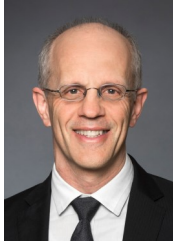


Anastasia A. Anashkina - Secretary of National Committee of Russian Biophysicists. She is a senior researcher in the Laboratory of protein-DNA interactions, Engelhardt Institute of Molecular Biology Russian Academy of Sciences.

Anastasia A. Anashkina is a Lecturer at the Sechenov First Medical University.

Councillors

John Baenziger



John Baenziger is a professor in the Faculty of Medicine at the University of Ottawa in Ottawa, Canada. His research is focused on understanding the structures and mechanisms of function of pentameric ligand-gated ion channels, such as the nicotinic acetylcholine receptor. In particular, his lab has made seminal contributions to understanding of the mechanisms by which lipids modulate the activity of the nAChR. He has been an active member in the biophysical community serving as President of the Biophysical Society of Canada from 2014 -2019, Treasurer of the International Union of Pure and Applied Biophysics (IUPAB) from 2017 - 2021 and as the Canadian Ambassador to the Biophysical Society, 2019-. He has also served in many leadership positions, particularly with regards to graduate studies, at the University of Ottawa.

Matthew Baker



Dr [Matt Baker](#) is a Senior Scientia Lecturer and Group Leader in the School of Biotechnology and Biomolecular Science at the University of New South Wales (UNSW) in Sydney, Australia. He applies methods in synthetic and evolutionary biology to engineer and investigate the motors that make microbes swim and the proteins that sense force. Matt completed his DPhil in the Department of Physics in Oxford University in 2011 and started his group at UNSW in Synthetic and Structural Bio-

Councillors

David Crossman



David is director of the Cardiac Nanobiology Group in the Department of Physiology, University of Auckland. He is internationally recognised for his work on cardiac muscle cell remodelling in the failing human heart. His research is noted for its originality, leading to new understanding of the sub-cellular processes that drive the pathophysiology of heart failure. He is an expert in state-of-the-art fluorescence imaging including confocal microscopy and super-resolution microscopy that is providing unprecedented nanoscopic insight into cardiac disease and leading the way in discovering new targets for therapeutic intervention..

Ana Denicola



Ana Denicola, Pharmaceutical Chemist from Universidad de la República, Uruguay (1984) and Ph.D. in Biochemistry from Virginia Tech, Va, USA (1989). She is Full Professor and Head of Physical Biochemistry, School of Science, Universidad de la República, CEINBIO, PEDECIBA and level III SNI (Sistema Nacional de Investigadores), Member by number of the National Academy of Science of Uruguay (ANCIU).

Line of research is redox biochemistry, oxidative stress and associated diseases, with 90 publications, book chapters, conferences, international courses, editorial board member, many master and doctoral thesis directed.

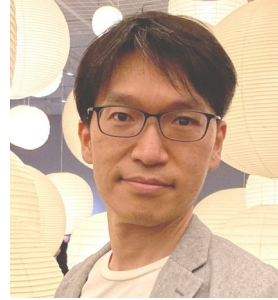
Councillors

Angela Gronenborn-



Angela M. Gronenborn currently holds the UPMC Rosalind Franklin Professorship and Chair of the Department of Structural Biology. She is also a Professor of Bioengineering and Chemistry at the University of Pittsburgh. Throughout her career, Dr. Gronenborn was involved in developing NMR methodology for structure determination of biological macromolecules. In the area of HIV research, Dr. Gronenborn directs the Pittsburgh Center for HIV Protein Interactions (PCHPI). Dr. Gronenborn served on numerous Scientific Advisory Boards, the Council of the Biophysical Society (President in 2018-2019). She trained more than 50 graduate students and post-doctoral fellows and authored more than 500 peer-reviewed publications. Dr. Gronenborn is an elected Fellow of the Royal Society of Chemistry (UK), the American Association for the Advancement of Science and the International Society of Magnetic Resonance. She was elected to the National Academy of Sciences (US), the Norwegian Academy of Arts and Sciences Letters, the German National Academy of Sciences and the American Academy of Arts & Sciences.

Takayuki Nishizaka



Dr. Nishizaka is a professor in the Physics Department of the historically celebrated Gakushuin University, the oldest private university in Japan, located in Tokyo. Gakushuin ranks first of the Japanese universities in quality of research in the Natural Sciences, and his research in Biophysics has strongly contributed to the high score (see the article [Nature 555, S73 \(2018\)](#)). He has been worked as Executive Committee in Asian Biophysics Association (ABA) and Administration Officer for International Affairs in Biophysical Society of Japan (BSJ).

His early career focused on the study of eukaryotic linear motor proteins. This included the development of advanced optical microscopes to study biomolecules at the single molecule level. Later, Nishizaka expanded his interests to motors of organisms in the Bacteria and Archaea Domains, which culminated in landmark publications outlining mechanisms for how these molecular machines function. He is the only researcher who has embarked on understanding the molecular mechanisms of not only all representative motor families in eukaryotes (myosin, kinesin and dynein), but also bacterial machineries (those in *mycoplasma*, *cyanobacteria* and *spiroplasma*) and archaeal flagella motor. In addition, he contributed to the visualization of the mechanics and chemical reaction of the world's smallest rotary motor, F_1 -ATPase, for the first time and deciphered its sophisticated working with technical *tour de force*.

Councillors

Gabriella Viero



Gabriella Viero is group leader of the Laboratory of Translational Architectonics at the Institute of Biophysics (CNR Italy). Her research is dedicated to RNA biology, translation and motor neuron diseases. The laboratory is interested in studying ribosomes and polyribosomes by uniquely combining biophysical approaches with sequencing techniques. The lab is seeking to move forward strong interdisciplinary approaches in biophysics, combining expertise in biophysics, biochemistry, mathematics, IT, neuropathology and cell biology. The laboratory has developed methods for characterizing polyosomes in troublesome biological samples by POL-Seq and RIBO-Seq and computational tool for data analysis. During her career she published 50 papers in high impact journals (Nat. Cell Bio.; J.Cell Biol; Nucleic Acids Res; Cell Rep; Mol Cell; Nat Commun; Proc Natl Acad Sci USA; Immunity, PLOS Comput Biol and others).

Hans-Joachim Galla

Prof. Emeritus. Institute for Biochemistry, University of Münster, Germany

K. V. R. Chary

Director & Professor, Indian Institute of Science Education and Research Berhampur, Transit Campus, Government ITI Building, Berhampur, Engineer School Junction, National Highway 59, Berhampur, India

Peter Pohl

Full Prof. Biophysics, Kepler University Linz, Austria