

#73

International Union for Pure and Applied Biophysics

January, 2020

In this issue:	
Message from the Presi- dent	1
Report from the Secre- tary General	2
Michael G. Rossmann: A towering figure of mo- lecular biophysics	4
Obituary of Herman Be- rendsen, ex-President of IUPAB	6
Meeting Reports	6
20th International Con- gress of IUPAB	13
IUPAB Upcoming Mee- tings	18
Announcements	19

Ladies and gentlemen, first of all I would like to wish you all a Happy New Year full of achievements, luck, and success. I would also like to take this opportunity to express my sincere appreciation to the Members of the Union for networking,



embrace the interdisciplinary nature of modern biophysics, and provide society with services and education in biophysics. Communication with IUPAB members and Regional Biophysical Associations is now a major policy of the Union.

The 2019 IUPAB initiatives that are

exchanging lessons President Marcelo Morales, Brazil

learnt and best practices, and identifying priorities for the development of world biophysics through IUPAB. The level of success achieved in 2019 would not have been possible without the integrated action of IUPAB Executive Members who have been doing an outstanding job working in a very professional and fraternal manner. Special thanks to Prof. Juan Carmelo Gomez-Fernandez (Secretary General), Prof. John Baezinger (Treasurer), and Prof. Manuel Prieto (President Elect).

To meet the challenges occurring worldwide in the field of biophysics, the current IUPAB Executive Committee has developed a strategy to redefine the role of the IUPAB as the international organization principally responsible for the promotion of biophysics. This strategy is important to provide clear direction for the Union to respond to the globalization of science and the expansion of the borders of biophysics in a wide range of scientific fields,

reported by our Secretary General (Prof. Juan Carmelo Gómez-Fernández) in this issue of IUPAB News summarize what we did in 2019 and are part of the current IUPAB governance, which not only strives to build on past successes but must also aim toward the future with regard to the accomplishments, impact, and image of the IUPAB. It is also important to mention that most democratic decisions were by mutual agreement between the members of the IUPAB Executive, and, whenever necessary, the IUPAB Council was consulted in accordance with our Statute.

I would like to thank the IUPAB bodies and the eminent scientists who have contributed in any way to the actions performed in 2019 for IUPAB.

Finally, I would like to highlight that the 20th International Congress of IUPAB will be held in Foz do Iguaçu, Brazil, October 26-30, 2020. The Congress is being coordinated by the local Brazilian

Message from the President

Marcelo Morales



#73

organization (Brazilian Biophysical Society and the Brazilian Society for Biochemistry and Molecular Biology) in full accordance with the IUPAB Executive, and I can say that we will have a very high quality Congress with an exciting program (including 3 Nobel laureates: Dr. Richard Henderson, Dr. Michael Levitt and Dr. Greg Winter) and intense student participation. Also during the Congress, in an unprecedented action, the "Avanti Polar Lipids/IUPAB Medal and Prize" for senior biophysicists and the IUPAB Young Investigator Prize will be awarded by the Union. Special thanks to the outstanding scientists Dr. Rosangela Itri and Dr. Mauricio

Baptista, who will co-chair the 2020 Congress in Brazil! I would like to invite everyone to visit Brazil in October 2020 in the beautiful city of Foz do Iguaçu, one of the most beautiful natural attractions in the world: the Iguazu Falls, a postcard located on the triple border between Brazil, Paraguay and Argentina. The IUPAB 2020 Congress will surely be a milestone of our Union.

I thank you all for your attention and wish you a happy 2020 full of success!

Sincerely,

Marcelo Morales

IUPAB President

Report from the Secretary General Juan Carmelo Gómez-Fernández (Spain)

In the following paragraphs I will summarize the main activities carried out by the Executive Committee and the Council during 2019 and the projects for 2020. I want to thank all the persons who have

participated in 2019 and who will participate in 2020 in the life of IUPAB.

1) Summary of activities during 2019 and projects for 2020 of IUPAB Executive Committee and Council

The Executive Committee and the Council have had intense activity during 2019 related to improving the promotion of biophysics that is the primary reason for existence of IUPAB. The Executive Committee held one inperson meeting during the EBSA Congress in Madrid (July 2019) and several Skype meetings. The Council



Secretary General, Juan Carmelo Gómez-Fernández

was consulted in several instances to make decisions on funding events or to change policies.

1.1) Sponsoring of scientific events during 2019

The following events received funding from

the IUPAB.

- Workshop on "Biophysics and Structural Biology at Synchrotrons" from 17-26 January 2019 in Cape Town, South Africa. A joint activity of the Task Force on Education & Capacity Building (convenor Prof. Trevor Sewell) and Task Force on Structural Biology (convenor Prof. Frances Separovic).

- XXIII School of Pure and Applied **Biophysics on "Emerging Tools in** Biomechanics: From tissues down to single molecules". 4-8 February 2019 in Venice, Italy. Organizers: Dr Mauro dalla Serra, Dr Silvia Caponi and Dr Massimo Vassalli.

- "MRI of Obesity and Metabolic Disorders" Singapore, 21-24 July 2019. Main organizer Dr S. Sendhil Velan.

- "Revisiting the Central Dogma of Molecular Biology at the Single-Molecule Level". Lima, Perú, 19-21 July 2019. POSLATAM activity. Main applicant: Lia Pietrasanta.

- "Pre-Congress workshop: Biophysics for the 21st Century". Event associated with EBSA Biophysics Congress. El Escorial, Spain, 17-20 July 2019. Organizers: Prof. A. Watts and Prof. J. Pérez-Gil.

- "IV Meeting of Young Biophysicists organized by the Young Initiative of Biophysics, San Luis, Argentina, 26 November 2019. Main applicant: Dr. Soledad Celej.

1.2) Organization of the 20th IUPAB Congress Foz do Iguazú 2020 (Brasil)

The Executive Committee has been closely working with the organizers, Prof. Rosangela Itri and Prof. Mauricio Silva Baptista. The member of the Executive Committee acting as coordinator is Prof. Manuel Prieto. This has led to the elaboration of a Memorandum of Understanding (MoU) between the local Organizing Committee and the Executive Committee. In this MoU we have established compromises between both parties mainly around the financial support to the Congress. In addition, we have worked together on the scientific program. Within this framework IUPAB will contribute to the grants awarded to young investigators by the organizing committee to attend both the Young Scientist Program preceding the



Congress and the Congress itself.

1.3) New Awards

Associated with the 2020 IUPAB Congress the Executive Committee has established new awards that will be presented during the Congress. One is sponsored by Avanti Polar Lipids Inc. for outstanding contributions to any theme within the field of biophysics without age limit. The second is the IUPAB Young Investigators Prize and will be given to a young investigator for outstanding contributions to the field of biophysics.

1.4) Bursaries

In connection with the 2020 Congress IUPAB will award bursaries to young investigators to attend the congress (in addition to the contribution mentioned in point 2). These bursaries will cover the congress registration plus 4 hotel nights.

1.5) New modes of sponsoring scientific events

The IUPAB Council has revised IUPAB funding policies for IUPAB Congresses, IUPAB Focused Meetings, Workshops in which IUPAB (or a Task Forces) is the main sponsor, and also for Sponsorship of events in which IUPAB is not the main sponsor, as well as IUPAB Plenary Lectures at different meetings and congresses.

1.6) Focused Meetings to take place in 2021

The Council evaluated and approved two proposals for Focused Meetings:

"Emerging Trends in Integrated Structural Biology with Focus on CryoEM", 3-6 February 2021, Hyderabad (India), main organizer: Dr Rajan Sankaranarayanan;

"The biophysics of neurotransmitter-

gated ion channels: From structure to drug discovery", 24-28 May 2021, Ottawa (Canada), organized by Dr John Baezinger.

1.7) New Editor for Biophysical Reviews

Following the resignation of the former Editor (Prof. Cris dos Remedios) the Executive Committee appointed Dr Damien Hall as new Editor. The Executive Committee acknowledged the work carried out by the former Editor who offered all his support to the new one.

2) Projects for 2020

2.1) Triennial Congress and the General Assemblies

The main activity for this year must be our 20th IUPAB Congress Foz do Iguazú 2020 to be held in Foz do Iguazu (Brasil), October 2020. The Executive Committee will work in close co-ordination with the organizers to ensure the best possible Congress. The Council will award the prizes and select the best candidates for bursaries.

2.2) General Assemblies to be held during 2020 triennial Congress

During the Ordinary General Assembly, the Executive Committee will present a balance of the last 3 years and a prospective of what will be done during the next 3 year term, which require the approval of the representatives of our Adhering Bodies. During the **Extraordinary General Assembly** representatives will proceed to the admission of new Adhering Bodies, removal of Adhering Bodies whose membership dues are in arrears, changes to Statutes, selection of a venue for the 2026 IUPAB Congress, and Rules and the election of President-Elect, Treasurer and Council in that order. With respect to the change in our Statutes, the Council already has approved that the Treasurer preferentially should be a resident of France to facilitate management of our bank accounts. This requires approval during the Extraordinary General Assembly taking place in Iguazu.

2.3) Call for bids to organize Focused Meetings during 2022.

This call will be made during this year and the Council will vote to proceed to selection.

2.4) Improving possibilities for publishing in Biophysics

The Executive Committee will work closely with the Editor of Biophysical Reviews to increase the quality and impact of the journal.

The Executive Committee is holding negotiations with scientific publishers in order to extend our publication activity with different and innovative ways to publish the research of the Biophysics Community and also expand education in Biophysics.

2.5) Promoting a closer collaboration between IUPAB and regional biophysical organizations and societies

The Executive Committee will seek to establish closer collaborations with regional associations and Biophysical Societies. For example, IUPAB will try to be represented at major Meetings or Congresses by IUPAB Plenary Lectures or sponsoring other activities. Furthermore, IUPAB will aim to organize or collaborate in the organization of activities that will promote Biophysics worldwide.



20th International Congress of IUPAB a joint event with the 45th Annual Meeting of SBBf and 49th Annual Meeting of SBBq

October 26th - 30th, 2020 | Foz do Iguaçu, Brazil



Please, visit our web site for more information



20th International Congress of IUPAB a joint event with the 45th Annual Meeting of SBBf and 49th Annual **Meeting of SBBq**

October 26th - 30th, 2020 | Foz do Iguaçu, Brazil



Foz do Iguaçu, Brazil

The city of Foz do Iguaçu (Brazil) is known for its natural wonders including the famous Iguaçu Falls in the Iguaçu National Park, a Unesco Worlds Heritage Site. Just as a comparison, Iguaçu Falls has a water flow three times higher than the famous US/Canadian Niagara Falls. Additionally, the Iguacu Falls are composed of about 275 falls of diverse sizes.

Conference Key Dates

Online registration January 1st, 2020 to September 30th, 2020. Abstract submission January 1st to April 30th, 2020 Onsite registration October 26th to 30th, 2020

www.sbbq.org.br/IUPAB2020

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secretary to learn how you will make your goals well succeeded:

Marcelo Andrade / exposbbg@sbbg.org.br

See all confirmed speakers at www.sbbg.org.br/iupab 2020





20th International Congress of IUPAB a joint event with the 45th Annual Meeting of SBBf and 49th Annual Meeting of SBBq October 26th - 30th, 2020 | Foz do Iguaçu, Brazil

IUPAB bursaries to attend the 2020 IUPAB Congress

IUPAB offers bursaries to individual young scientists to participate in the IUPAB Congress to be held in Foz do Iguazu (Brazil) (October 26th-30th, 2020). The purpose of these bursaries is to promote the mobility of biophysicists and to promote the best Science in the field of biophysics.

Applications are invited from young scientists from any country (except Brazil, the host country). Eligible applicants are PhD students and Postdoctoral fellows who obtained a Ph.D. degree after the 31st of December of 2017.

The bursary is to be used to contribute to the costs of accommodation (4 hotel nights in double room) and registration fee. Closing date for applications is 15th, March, 2020. Exceptionally, in a few very well justified cases, an additional amount could be transferred to applicants coming from less favored and overseas countries to cover part of the air ticket.

The awarding of bursaries will be decided by IUPAB Council, within the financial framework provided by the IUPAB Executive Committee. Applications that come in after the closing date will not be considered. The Council will have the final say for decisions concerning eligibility, scientific merit of the application and the level of support.

Recipients of an IUPAB Bursary are required to submit a brief report (1 page maximum) describing the achievements during the visit. The report must be received by the IUPAB Secretariat within 2 months of the end of the award. All correspondence will be carried out by email, in English.

Applications should be sent to Prof. Juan C. Gomez-Fernandez, IUPAB Secretary General (jcgomez@um.es).

Download the application form





#73

20th International Congress of IUPAB a joint event with the 45th Annual Meeting of SBBf and 49th Annual Meeting of SBBq October 26th - 30th, 2020 | Foz do Iguaçu, Brazil

Avanti Polar Lipids / IUPAB Medal and Prize

Avanti Polar Lipids and IUPAB (International Union for Pure and Applied Biophysics) have established one triennial award to be presented at the triennial IUPAB Congresses.

The International Union for Pure and Applied Biophysics (IUPAB) encourage the nomination of candidates for the Avanti Polar Lipids/IUPAB Medal and Prize to be awarded at the 2020 Biophysics Congress, in Foz do Iguaçu – Brasil.

The award will be given to an investigator for outstanding contributions to any theme within the field of biophysics without limit of age. The winner receives an honorarium of USD\$ 3,000, and a medal.

The IUPAB Council will constitute a Jury that will make the award.

Eligibility:

- The nominee will be expected to have made important and well-recognized contributions to the field of biophysics. - The nominees must not nominate themselves.

- The nominees may be of any nationality or academic rank, and may be affiliated with non-academic institutions provided that the work for which they are to be acknowledged has been published in recognized scholarly journals

- The nominator must submit completed nomination forms and the required documents.

Nominators: they could act as nominators IUPAB Adhering Bodies, Scientific Societies, Universities, Research Institutions or senior biophysicists. A given nominator can propose only one candidate for this prize.

Nominations packets must include the following:

1) Completed Award Nomination Form.

2) Letter from the nominator (no more than 2 pages), supporting the candidacy of the nominee, and highlighting scientific contributions/publications deemed representative or especially worthy of recognition.

3) Letter from the nominee accepting the nomination, and a commitment (excepting exceptional extenuating



circumstances) to present a Plenary lecture at the IUPAB congress at which the award is made. Additionally, a review article for Biophysical Reviews Journal is desired, submitted within 3 months of the award being made known the recipient.

4) Nominee's curriculum vitae.

5) Two letters of support (other than the nominator)

The nomination packet, in PDF format, should be emailed to the IUPAB Secretary General Prof. Juan Carmelo Gomez Fernandez. (jcgomez@um.es) up to 20th February 2020.

Download the application form



#73

20th International Congress of IUPAB a joint event with the 45th Annual Meeting of SBBf and 49th Annual Meeting of SBBq October 26th - 30th, 2020 | Foz do Iguaçu, Brazil

IUPAB Young Investigators' Medal and Prize

The International Union for Pure and Applied Biophysics (IUPAB), invites all biophysicists to nominate candidates for the IUPAB Young Investigators' Medal and Prize to be awarded at the 2020 Biophysics Congress, in Foz do Iguaçu – Brasil.

The award will be given to a young investigator for outstanding contributions to the field of biophysics. The winner receives an honorarium of US\$ 2,000 and a medal.

The IUPAB Council will constitute a Jury that will make the award.

Eligibility:

- The prize is attributed to an independent researcher, normally within 12 years from PhD at the time the prize is given. Allowance will be made for career breaks such as maternity leave and compulsory military service.

- The nominee will be expected to have made important and well-recognized contributions to an understanding of biophysics. - The nominees must not nominate themselves.

- The nominees may be of any nationality or academic rank, and may be affiliated with non-academic institutions provided that the work for which they are to be acknowledged has been published in recognized scholarly journals.

The nominator must submit complete nomination forms and the required documents.

They may act as nominators IUPAB Adhering Bodies, Scientific Societies, Universities, Research Institutions or senior biophysicists. A given nominator can propose only one candidate for this prize.

Nominations packets must include the following:

1) Completed Award Nomination Form.

2) Letter from the nominator (no more than 2 pages), supporting the candidacy of the nominee, and highlighting specific contributions/publications deemed representative or especially worthy of recognition.

3) Letter from the nominee accepting the nomination, and a commitment (excepting exceptional extenuating



circumstances) to present a Plenary lecture at the IUPAB congress at which the award is made. Additionally, a review article for Biophysical Reviews Journal is desired, submitted within 3 months of the award being made known the recipient.

4) Nominee's curriculum vitae specifying the PhD date.

5) Two letters of support (other than the nominator)

The nomination packet, in PDF format, should be emailed to the IUPAB Secretary General Prof. Juan Carmelo Gomez-Fernandez .(<u>jcgomez@um.es</u>) up to 20 of February



#73

IUPAB Upcoming Meetings



The IUPAB Council has approved the following Focused Meetings that will take place in 2021

1. IUPAB Focused Meeting on "Emerging Trends in Integrated Structural Biology with the Focus on CryoEM"

It will be held in Hyderabad (India) and the main organizer is Prof. Rajan Sankaranarayanan. February 3 -6, 2021.





2. IUPAB Focused Meeting on "The biophysics of neurotransmitter-gated ion channels: from structure to drug discovery"

This Meeting will take place in Ottawa (Canada), May 2021. Main organizer Prof. John Baezinger

Call for bids to host the IUPAB 2026 Congress

The IUPAB holds a triennial Congress, next one will take place in Foz do Iguazu (Brazil), the following one will be held in Kyoto (Japan) in 2023 and it is now time to submit bids to host the 2026 Congress. The IUPAB General Assembly will decide about that by votation during the 2020 Congress.

According with IUPAB sponsorship policy :

IUPAB Congress: IUPAB will provide up to 60 000 € for the triennial IUPAB Congress. Funding will include a direct grant to the organizers, as well as support for student travel to the congress (normally 30 000 € for each). IUPAB will propose co-chairs for scientific sessions. The scientific program will need the approval of IUPAB. A bid should be sent to the Secretary General according to the deadline to be established, normally 6 months in advance of the General Assembly that will decide the organization.

The deadline to submit bids will be: 15th of July 2020.

The proposals must include information about the proposed venue, a tentative scientific programme, information about the town, a tentative financial budget and any other aspects that could be relevant.

Bids are expected to be supported by an Adhering Body or Scientific Society.

Bids must be sent by email to the Secretary General:

Prof. Juan C. Gómez-Fernández, Departamento de Bioquímica y Biología Molecular A, Facultad de Veterinaria, Universidad de Murcia, 30100-Murcia. jcgomez@um.es



#73

Michael G. Rossmann (1930-2019) A towering figure of molecular biophysics

by Celerino Abad-Zapatero

University of Illinois at Chicago, IL (USA)

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Michael G. Rossmann, a towering figure in structure biology, was scheduled to give a plenary lecture at the 69th Annual Meeting of the American Crystallographic Association – ACA in Covington, Kentucky on July 20th. His unexpected passing (May 14th, 2019 in West Lafayette, IN, USA) changed the lecture into a celebration of his scientific legacy with contributions from former students, postdocs, colleagues and the macromolecular crystallography community at large [1].

For students, postdocs and even younger practitioners of macromolecular crystallography, the name of Michael Rossmann may bring associations with obscure references in technical journals of crystallography, or more recently, reference to X-ray structures of large biological assemblies (i.e. viruses) and spectacular cryo-EM image reconstructions, without truly appreciating the monumental contributions that this premier figure of the field has made since the very early days of protein crystallography. Michael, and physicists such as John D. Bernal, Francis H. Crick and others, established the methods and the physico-chemical basis for the interpretation of biological phenomena in terms of the atomic structures of the constituent macromolecules: they provided the framework for molecular biophysics. Fortunately, a selection of Michael's papers with some biographical notes and commentaries was published a few years ago [2], where the younger 'apprentices' of the field can appreciate his monumental contributions. Details of Michael's



Michael presenting his recollections of the structures of myoglobin and hemoglobin at the Parc Cientific Barcelona in 2010, commemorating the 50th anniversary of the first protein structures.

personal biography and his connection to the Spanish community of structural biologists have been published in a recent obituary in the newsletter of the SEBBM [3].

Macromolecular crystallography and the broader field of structural biology would not be the same without the conceptual and



Michael G. Rossmann (1930-2019) methodology tools that Michael introduced, implemented and perfected during his lifetime. His group and his laboratory were the beacon of crystallography from the early 1970's to well into the 21st century. In a perfect and effective combination, Michael always developed the new methods, algorithms and programs that would tackle the most challenging structural problems of the time. The early 1970's unveiled the structure of Lactic Dehydrogenase (LDH), at the time the largest protein structure solved (330 amino acids), with its multi-domain architecture: NAD-binding domain (Rossmann fold) and catalytic domain. The modular architecture of protein structures was immediately seen by Michael and others (Carl Brändén, Len Banaszak) in other dehydrogenases (liver alcohol, glyceraldehyde-3phosphate, malate) and used to emphasize the notions of molecular evolution among biomolecular entities, as he had done when the structures of



#73

myoglobin and hemoglobin were first solved in early 1960's [2].

This accomplished, Michael went on to pursue his dream: to tackle the atomic

structure of viruses, using the redundancy of information provided by the existence of non-crystallographic symmetry. The challenges of data collection and processing were handled by exploiting to the fullest the use of 'screenless' data collection on the rotation camera pioneered by none other than J. D. Bernal and later fully developed by Uli Arndt and Alan Wonacot. It is not fully appreciated that the a major breakthrough in crystallography and critical for the development of macromolecular

crystallography. The rotation method permitted the collection of hundreds (thousands for virus crystals) of reflections simultaneously. Prealignment of crystals with respect to the X-ray beam facilitated the early indexing of the patterns but this was eventually superseded by the automatic indexing algorithms also pioneered by Rossmann and others. Once again, the structures of the first viruses, TBSV (S. Harrison, 1978) and SBMV (M. Rossmann, 1980), revealed a common jelly-roll fold and gave Michael further insights into the evolution of viral capsids, which are now an established part of structural biology. The next milestone of Michael's lab was the structure of the first animal virus, Human Rhino Virus 14 (HRV14) that came surprisingly soon (1985) after the first plant virus. This rapid success was due in no small part to the methods

and programs developed to conquer the plant viruses, particularly the noncrystallographic-symmetry averaging, now combined with phase extension to higher resolution. A critical element was pioneered by Michael. The structures of ever larger and more complex viruses were unveiled at near atomic resolution by 'hybrid methods' that combined Xray crystallography and cryo-EM. The

> technology was then extended to non-symmetrical, large, molecular aggregates, and continues to push the limits of what is possible structurally.

> Ever since Michael moved to Purdue University in 1964, his laboratory and he and his wife Audrey Rossmann at home, hosted hundreds of postdoctoral students and associates from all over the world helping to spread not only the science but also his passion for structural biology and his immense humanity and respect for scientists young and old. In doing so, he was instrumental in allowing many

of us to reach our full potential as scientists and human beings. Michael, you will be sorely missed!

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Celerino Abad-Zapatero

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use of the rotation camera wasMichael's group at Purdue University at the time of thea major breakthrough insolving of the first atomic structures of icosahedral virusescrystallography and critical for(TBSV, SBMV circa 1980). The author is standing to the rightthe development ofof Michael, who is wearing the hard-hat that he used tomacromolecularbuild the structure of SBMV (1979).

also the use of synchrotron radiation (SR) for data collection, which Michael also pioneered with John Erickson and the team at CHESS (Cornell High Energy Synchrotron Source). The insights into the processes of viral recognition (i.e. canyon hypothesis) and others soon followed from the initial and subsequent structures related to HRV14 [2].

The 1990's and onto the 2010's saw an explosion of new virus structures (Mengo, canine parvovirus, dengue and others including Zika in 2016) solved by exploiting the methodology established with the structure of rhino virus, in combination with the 'revolution' induced by the newest electron microscopy instruments and the concepts, methods and algorithms related to cryo-EM reconstruction also



#73

Obituary of Herman Berendsen, ex-President of IUPAB

Herman Berendsen (22 September 1934 – 7 October 2019) was a Dutch professor of (bio)physical chemistry at University of Groningen (The Netherlands) from 1967 until 1999. He died at 85 years. He was the President of IUPAB (1993-1996).

Prof. Berendsen was responsible for major contributions in Biophysics including developing relaxation equations used in NMR imaging, identifying the role of the helix dipole in protein stability and being a major driving force in the development of Molecular Dynamics.

Persons who knew him closely tell that unlike lots of others Herman was never one to push himself forward but he was really unique, he was really a nice as well as an extremely bright person.

Berendsen was born in Apeldoorn. He obtained his PhD cum laude in 1962 from the University of Groningen, with a dissertation titled: "An NMR study of collagen hydration". In 1963 Berendsen



was appointed lecturer of physical chemistry atUniversity of Groningen, and full professor in 1967. He retired in 1999.

One of the main contributions of Berendsen was his seminal work on Molecular Dynamycs. He and others like Wilfred van Gunsteren and the 2013 Nobel Prize in Chemistry winners Martin Karplus and Michael Levitt were who established this very important field in Biophysics. Berendsen, in his own words described his work in this way in his personal website; "My research has focused on biomolecular modeling, with special interest in proteins and membranes; mixed quantum/classical dynamical simulations, functional motions on longer time scales, and polarisable force fields. On the computer side: we have developed the public domain software GROMACS, based on a parallel computer project".

Among the many distinctions received by him we can mention that he was elected a member of the Royal Netherlands Academy of Arts and Sciences in 1979. In 2013 he was awarded the Berni J. Alder Prize by the Centre européen de calcul atomique et moléculaire. He was the Secretary of the InterUnion Bioinformatics Group (IUBG), which is a joint organisation of several international scientific unions (IUPAB, IUBMB, IUCr, IUPAC and CODATA), with ICSU/UNESCO support, aimed at safeguarding the public access to biodata.

We will miss him, but his legacy is large and will last for generations to come.

Report on IV Meeting of Young Biophysicists

November 26th, 2019. San Luis, Argentina

Event partially funded by IUPAB

The IV Meeting of Young Biophysicists took place in the city of San Luis, Argentina, on November 26th, 2019. The venue was the Universidad Nacional de San Luis (UNSL), which welcome, for the first time, at the Argentinean biophysical community. The meeting was organized by the



Young Initiative on Biophysics, a group of PhD and posdoct students, members of the Argentinean Biophysical Society (SAB), who proposed this event as a satellite activity to SAB Annual Meeting. The 2019 Organizing Committee was conformed by María Julia Amundaraín,





#73



The participants of the meeting

Argentina enthusiastically participated in the different activities. It should be stressed that despite the critical financial situation in our country, the participation of students was significantly increased thanks to the generous sponsorship of IUPAB. The scientific programme included four oral communications, two tutorials, three workshops, two round tables and a "My project in 2 minutes" session.

During the course of the day, undergrad, PhD students and posdocs had the opportunity of sharing their work with their pairs. Mariano Salgueiro and Guido Petrovich from Buenos Aires, Patricia Maturana from Santiago del Estero and Yenisleidy Zulueta Díaz from



Proteins workshop

Córdoba gave short talks and another twelve young attendees took the challenge of talking in a simple way about their research projects in only getting a PhD, inspiring the audience in pursuing new goals and challenges outside the comfort zone. Dr. Chiaramoni, shared advices and tips on



Round table: Women in science

two minutes. From this contest, Nicole Cérf was awarded with the first prize and special mentions were to María Agueda Placenti and Agustín Ormazábal.

The tutorials were given by Dr. Alejandro Vila and Dr. Nadia Chiaramoni. Dr. Vila gave a perspective about how to continue in science after how to deliver a good oral presentation and communicating science to different publics.

The workshops, coordinated by Dr. María Florencia Martini, Luis Bagatolli and José María Delfino, were designed to discuss about practical problems and experimental setups related to everyday bench/in silico work. The topics



#73

covered computational biophysics, fluorescence and proteins.

Finally, two round tables provided a space to debate on two key topics: women in STEM and where science is heading nowadays. Dr. Rosana Chehín, Lía Pietrasanta, Gabriela Amodeo and Natalia Wilke were the invited panelist to talk about the role of women in science, providing statistics and personal experiences that led to the reflection and proposal of initiatives to reduce the gender gap. Dr. Luis Bagatolli and Jorge Vila participated in a nurturing discussion about the present and future direction of scientific research: Who direct what we investigate about?, Main streams and

Reports of some fellowship recipients

FERNANDO AMREIN

The IV meeting of Young Biophysicists took place on 11/26/2019. Although some expositions referred to study subjects of other young scientists, an interesting discussion was generated regarding gender issues in the scientific environment, future perspectives after



completion the PhD, and problems in how science is handled in terms of the requirements to remain an active researcher and to

enter said career. These discussions actually took most of the meeting, which seems to me to be a good idea for Young Biophysicists meetings specifically, with the aim that in addition to the young researchers being able to show their study topics and generate interest in their posters, some metascientific topics are also discussed, such as fashionable science, How much we publish?: quantity vs quality and Basic vs applied science were among the topics discussed during the debate.

After a long brainstorming day, all the attendees bonded in a relaxed atmosphere strengthening ties of camaraderie and friendship, laying the foundations for the future of biophysics in this, somehow remote, southern cone. This great event would not have been possible without the generous support of IUPAB, SAB, UNSL and local companies. We hope to receive students from other countries in the region in future editions of this meeting, you all are more than welcome to join us!

the social and economic parts of science, as

well as things that are not learned in the career such as the post-PhD future.

AGUSTIN MANGIAROTTI

The "IV Encuentro de Jóvenes Biofísicos" was a very enriching experience. Doctoral and posdoc students provided oral

expositions that together with the challenge "Tu Proyecto en 2 minutos" allowed knowing the different research lines carried

out in the country. Senior researchers gave tutorials based in their personal experience about what



decisions take after the PhD and how to make an oral presentation. They provided different advices that allowed us to have some perspectives about the future and how to be prepared for different publics. In addition, there were three simultaneous workshops in which topics like fluorescence, proteins and simulations were addressed. Finally, the open discussion tables allowed the debate of everyday problems that affect us as scientists and as citizens.

PATRICIA MATURANA

Attending at the IV Meeting of Young Biophysicists, associated with the XLVIII

Annual Meeting of the Argentine Biophysics Society allowed me to enrich myself with collaborations of the different panelists and



update mv knowledge on different biophysics areas. of One the characteristics that I should highlight from this meeting is the debates that took place after some presentations,

personal and verv enriching on a professional level. In addition, the fellowship allowed me to present my results in meeting, receiving important feed-back and contributions from the scientific community. I also believe that this meeting was a great opportunity to share with other people that work in related areas in order to exchange experience and establish future research collaborations. This is why I would like to express my appreciation for the IUPAB fellowship, which allowed me to participate of this meeting.

MALLKU QHAPAJ ONTIVEROS

I am a PhD student in Biochemistry at the University of Buenos Aires, Argentina. I have been attending congresses of the Argentinean Biophysical Society (SAB) for years, and I always have the best experiences not only on the quality of scientific exhibitions but also on the company and friendship of young scientists. It is a meeting to strengthen the relationships between scientists and share

our projects. This year I presented the work "Two different mechanisms of PMCA inhibition flavonoids" bv and I won the third place for the best scientific poster and they gave me the registration for



the next year's meeting. It is the first time that I have this special mention for which I feel very grateful and happy for work done together with my research group. Finally, I wanted to thank the organizers of the SAB





and IUPAB for the opportunity they have given all scholarship students.

MARIA AGUEDA PLACENTI

I attended the IV Meeting of Young Biophysicists that took place at San Luis,



Argentina. It was an amazing experience to spend a day with PhD other students from all over the country. In the meeting we took time for everything, from talking about our projects to taking tutorials and

discussing what we think of science and how to build its future. It was really challenging to tell everyone about my work in just two minutes as a part of an activity organized to help us develop our speaking skills, but the results were exceptional. Also, as a young woman starting a scientific career, it was very mobilizing to be part of discussions about women in biophysics. In that round table, we reflected about experiences from well known scientists of the area, the actual situation of women in science and the perspectives for the years to come.

NICOLAS SAFFIOTI

The IV meeting of young biophysicists stood out by the high-level of debate at the round tables. I returned home thinking about many questions: How to evaluate good quality scientific work? What is the place in the scientific field where I can contribute best in the future? Are there right now equal opportunities to all investigators no matter the gender? These are not easy questions,



but making them is necessary to improve our day to day work. I participate in the fluorescence workshop by Dr. Bagatolli which was very interesting as he introduced new concepts in analysing

fluorescence data. I would like to highlight the tutorial of Dr. Vila "Science after Ph.D." which was very helpful for me as I recently started my postdoc. Finally, the "Two minutes project" session was not only very entertaining but also helpful to learn from my colleagues, new ways to present scientific work.

MACARENA SIRI

The meeting was held at San Luis National University on November, 26th. In my regard, it was a fruitful experience and brought everyone closer, which is a critical point towards a better science. The meeting had a total of four lectures given by students on different topics: protein, liposomes, and phase to phase separation and membrane models. There were also two interesting



tutorials, in which PIs talked about their experiences on how to build a career in science, and how to prepare a talk depending on its final purpose. Three parallel workshops took place in a two-hour proteins span (simulation. and fluorescence). In them, PIs gave basic information on their topic, and we could ask our doubts or express the difficulties we were having on our daily work. Last, but not least, the day had two debate tables were everyone was encouraged to participate: "Women in Biophysics" and "Talking Science".

FIORELLA TESAN Participating in the IV Meeting of Young Biophysicists, for me, was a new

me, was a new and rewarding experience, since I have just now started working in protein biophysics. I



young investigators interventions resulted key elements of the debate. I found My project in 2' to be a fun and effective modality to get to know the work of others and expositors were really creative. To get to know and talk with other young investigators was the best part of the event.

CECILIA VASTI

Through this report I wanted to send you my experience during the meeting of young biophysicists. I had the opportunity to interact with



fellows and researchers from various parts of the country, with I was able to exchange work experiences as well as form new opportunities to start future collaborations. In turn, I participated in the Fluorescence Workshop, taught by Dr. Luis Bagatolli, who brought me new concepts and strategies in this technique that will surely improve my daily laboratory work. Also participate in other activities such as young scientist's oral presentations and round tables. In general, my experience in this meeting was extremely enriching personally and professionally. Thank you very much for making possible my participation in this meeting.

MAXIMILIANO VIGIL

This year both meetings took place in the city of San Luis and I was able to go thanks to the financial support of the IUPAB scholarship. In the Meeting of Young Biophysics, I participed to the fluorescence workshop and in different talks. My participation in "My project in 2 minutes" was a new challenge for my professional training. In the Annual Meeting of SAB, a lot of researchers presented their work. I exposed my poster 'Regulation of plasma

membrane calcium pumps (PMCA) by cytoskeleton' to people who were interested in my work topic and I could also approach others who presented



their posters. To conclude, the meetings were a great experience and an opportunity to have contact with researchers.



#73

Report on XII Poslatam Course Revisiting the Central Dogma of Molecular Biology at the Single-Molecule Level

July 18th - 21st, 2019. Lima, Peru

Event partially funded by IUPAB



The POSLATAM 2019 course was held within the Revisiting the Central Dogma of Molecular Biology at the Single-Molecule Level thematic meeting that took place in the city of Lima, Peru on July 18-21. 2019. The venue of this event was the Universidad de Ingeniería y Tecnología (UTEC) and a total of 150 participants from 15 countries gathered in



IUPAB supported students during the event

this occasion, including 18 students from the IUPAB-POSLATAM Program.

The scientific program started with

lectures designed to provide a uniform scientific background, alleviating the inherent difficulties arising from the heterogeneity of the audience.



IUPAB supported students during the event

Following this introductory phase, lectures introducing experiments alternated with lectures of a wider scope to integrate the topic into a more general framework. The topics covered recent discoveries produced by singlemolecule molecule tools in DNA replication, transcription, translation, protein folding/degradation, and other processes associated to the central dogma of molecular biology. Discussions about the experiments and results were complemented with flash talks and poster presentations given by participants on their individual research results and projects.

The results of the activity were very satisfactory, both in the training of the HR that attended the course, and in the discussion and work network that was generated during the event. All this will have a direct impact on the institutions



#73

of origin of the participants, the training of young scientists in areas of biophysics, and the discussion of cuttingedge techniques that are emerging in the region. The results obtained in the student satisfaction survey demonstrated that the students enjoyed the event which would not have been possible without the generous support of IUPAB.



The participants of the meeting

Reports of some fellowship recipients

NATALIA SOLEDAD RIOS COLOMBO

Thanks to the IUPAB support I have attended former POSLATAM courses, and I can certainly claim that this event is the



perfect opportunity to bring together PhD students and early career scientists to share and

exchange ideas, experiences and projections. This year the POSLATAM was carried out in Lima, Perú, where we, young scientists, could present our research work to an international audience, meet internationally renowned professors and promote our scientific future and career. In my opinion, when it comes to science, cooperation is something that must be pursued and the IUPAB events are the perfect scenario for this, because they provide an excellent platform to build bonds and gain new insights into other possible research interests. This fosters the academic enrichment and encourages possible networking projects. I am really thankful for the IUPAB financial aid, and I truly hope future students have the possibility to attend this outstanding events.

PAULA BELEN SALAZAR

The 2019 POSLATAM course was held in Lima, Peru, during the development of the annual meeting of a renowned international society, the

Biophysical Society. My initial interest on this course was based on the fact that I'm about to work with nanodiscreconstituted



acetylcholinesterase (AChE). Nanodiscs are proteolipid nanostructures that display a great potential as platforms for reconstitution and the study of membranebound proteins. This model system is ideal for combining with a number of biophysical techniques, including single-molecule ones, which will certainly be useful tools for our final aim, which consist in the characterization of the molecular inhibition

mechanism of AChE by polyphenols. Thanks to the financial IUPAB support I was able to attend to this event that certainly has helped to improve the quality of my doctoral performance. I was able to present and share part of my research work to international attendees and this has prompt the possibility to exchange opinions and get pieces of advice from biophysical experts. I have profited greatly from the experience, not only from the theoretical content but also from the interaction with distinguished professors and other young scientist attendees from other labs, which in turn has allowed a very rewarding exchange of ideas and information.

MARIA BELEN MACHIN

"Revisiting the Central Dogma of Molecular Biology at the Single-Molecule Level" in Lima, Peru was a great experience and the

discussions with expert colleagues were beneficial to all, and it created new collaborative ties. It was a great opportunity to develop professional skills for my scientific career. For these reasons I really appreciate the





#73

opportunity of participate in this course. I would like to thank IUPAB for the possibility of attending the XII POSLATAM COURSE, which represents an enriching experience for me and an invaluable opportunity to expand and updating me, as well as, the knowledge of our team about different aspects of the biophysics field, and getting to meet and exchange experiences with expert colleagues on the subject.

LUCIANA MEDINA

I am writing this report to express my sincere gratitude for giving me to opportunity of participating in the XII

POSLATAM COURSE: « Revisiting the Central Dogma of Molecular Biology at the Single-Molecule Level », that took place during July



18-21, 2019, in Lima, Peru. The course gave me an overview of current topics and the latest advances in the field of biophysics. and propitiated the exchange of knowledge related to different analysis tools that could be useful to my work. Even some of them are not accessible or feasible in our conditions, the close encounter with all the participants and speakers made it possible to generate valuable discussions and potential collaborations with different groups all over the world. For all that, the whole experience of the VIII POSLATAM Course made a significant contribution to my career development and to my team in Tucumán, Argentina, towards a deeper Biophysical orientation.

LUKA ROBESON

I am a Master's student in Biochemistry at the Univesidad de Chile, Santiago, Chile. My interest in the POSLATAM 2019 thematic meeting was mainly based on my thesis, which focuses on the study of protein interaction at the single molecule level. This course allowed me not only to learn about avant-garde techniques for the study of in singulo biophysics, but also to have the



opportunity to speak with expert scientists of excellent level and receive their criticisms and opinions of my

work. The insight obtained from this experience was, without a doubt, invaluable. I greatly appreciate the IUPAB scholarship for allowing me to participate in the Lima course.

YENY PILLCO VALENCIA

I would like to express the most sincere and deep gratitude for the excellent work and performance to POSLATAM in the realization of the event "Revising the central dogma of molecular biology at the single molecule level". Likewise, each of the professors invited to share their knowledge with us. Thank you for allowing me to live this beautiful experience with such wise and wonderful people. The program was always inclusive and interactive and this

opportunity gave me the confidence to share my knowledge and learn with students from different places



in Latin America, as well as create friendships and future scientific contributions.

MARIA FLORENCIA GONZALEZ LIZARRAGA

I currently hold a postdoctoral position in CONICET to work on the characterization of "crosstalk" a-synuclein:tau induced by environmental factors and its implication in the Progressive Supranuclear Paralysis. Attending the POSLATAM 2019 course: "Revisiting the Central Dogma of Molecular Biology at the Single-Molecule Level" was a great experience. The organization was outstanding as well as the scientific level of the speakers. This opportunity allowed me to learn about the techniques to study protein-protein interactions at the singlemolecule level and understand how to apply them in my studies. In addition, I was able to meet experts in this area and discuss possible collaborations. Furthermore, it was also a great opportunity to build a network



between young scientist across the American continent. Without a doubt it was a great experience and I am deeply grateful to IUPAB

for giving me the opportunity to attend the meeting.

MARIA JOSE GARCIA

I have a degree in Biochemistry and I belong to the Department of Pathophysiology of the Hospital de Clínicas (University of the Republic of Uruguay). The POSLATAM 2019 course that took place in Lima, meant a very important instance of learning for me, where I was able to internalize about new biophysical tools, exchange ideas with other researchers, in addition to sharing my work and my experiences regarding biophysical studies in respiratory research and its application at the biomedical level. The meeting in Peru gave me opportunities for future collaborations with researchers and the possibility of proposing new experiments, with other tools to solve my problem of interest. I only have words of thanks to all who made this enriching experience possible. Special thanks to IUPAB for giving me the opportunity to participate for the first time in a POSLATAM course, being the only representative of my country.

Without the help provided I would not have succeeded. Thanks also to Lía, for being in every detail, for the organization and all the time dedicated. A beautiful human group formed and we shared a few days of much learning.





XXIV International School of Pure and Applied Biophysics

Italian Society for Pure and Applied Biophysics (SIBPA) January 27th - 31th, 2020 | Venice, Italy

SIBPA Società Italiana di Bic/Bica Pura e Applicata *Benera el 171*



XXIV INTERNATIONAL SCHOOL OF PURE AND APPLIED BIOPHYSICS



Venice (Italy)- Palazzo Franchetti- 27-31 January 2020

Applications of X-rays and Neutron Scattering in Biology

Scattering techniques based on X-rays and neutrons have proven to be two of the most powerful techniques for studying biological structures. At the interface between Biology, Physics and Chemistry, the school will survey recent advances of X-rays and neutrons techniques to probe the properties of biological structures, from both static and dynamic view-point. Combining theoretical and application lectures, the school will introduce the following topics: The physics of scattering, Neutron production and neutron facilities, X-ray production and X-ray facilities, Reflectometry, Small-angle Scattering, Crystal and powder diffraction, Inelastic scattering, X-ray absorption fine structure (XAFS), Imaging, XFEL in biology. Of note, in addition to lectures, a visit to the ELETTRA synchrotron in Trieste will allow students to perform practical activities in state-of-art instruments.

SCIENTIFIC COORDINATORS:

Paolo Mariani - UNIVPM (Italy) Maria Grazia Ortore- UNIVPM (Italy) Francesco Spinozzi- UNIVPM (Italy)

SPEAKERS:

Heinz Amenitsch (Graz, Austria) Fabio Bruni (Rome, Italy) Trevor Forsyth (Keele, United Kingdom) Giovanna Fragneto (Grenoble, France) Achille Giacometti (Venice, Italy) Irene Margiolaki (Patras, Greece) Paolo Mariani (Ancona, Italy) Claudio Masciovecchio (Triest, Italy) Silvia Morante (Rome, Italy) Maria Grazia Ortore (Ancona, Italy) Alessandro Paciaroni (Perugia, Italy) Valeria Rondelli (Milan, Italy) Daniela Russo (Grenoble, France) Giorgio Schirò (Grenoble, France) Francesco Spinozzi (Ancona, Italy) Francesco Stellato (Rome, Italy) Giuliana Tromba (Triest, Italy) Beatrice Vallone (Rome, Italy) Martin Weik (Grenoble, France) Joseph Zaccai (Grenoble, France)

DIRECTOR OF THE SCHOOL:

Giorgio GIACOMETTI- IVSLA and Uni. Padua (Italy)

CO-ORGANIZED BY:





5th Symposium on Nanoengineering for Mechanobiology

March 22nd - 25th, 2020 | Camogli, Genova, Italy



5th Camogli symposium

Nanoengineering for Mechanobiology

22 - 25 March, 2020 - Camogli, Genova, Italy

http://2020.mechanobiology.eu

Keynote and invited speakers

Vaishnavi Ananthanarayanan, EMBO Young Investigator, Indian Institute of Science, India; Marino Arroyo, Universitat Politècnica de Catalunya, Spain; David Beech, University of Leeds, UK; Guillaume Charras, University College London, UK; Kareem Elsayad, Vienna Biocenter, Austria; Ofer Feinerman, Weizmann Institute of Science, Israel; Kristian Franze, University of Cambridge, UK; Lining Ju, University of Sydney, Australia; Marco Lazzarino, CNR Trieste; Yanlao Mao, EMBO Young Investigator, University of Exeter, UK; Giancarlo Ruocco, Istituto Italiano di Tecnologia, Italy; Manuel Salmeron-Sanchez, University of Glasgow, UK; David Sampson, University of Surrey, UK; Jaap den Toonder, Eindhoven University of Technology, The Netherlands

Organizing committee

Aldo Ferrari, EMPA, Switzerland







IUBMB Focused Meeting / FEBS Workshop

Crosstalk between Nucleus and Mitochondria in Human Disease

IUBMB / FEBS May 19th - 22nd, 2020 | Sevilla, Spain





Venue

cicCartuja Av. Américo Vespucio 49 41092 Seville, Spain

www.crossmitonus2020.iubmb-febs.org/

Deadlines

IUBMB-FEBS YFT Application Opening 15 October 2019

IUBMB-FEBS YTF Application Closing 15 December 2019

Registration and Abstract Submission Closing 29 February 2020

Special thanks to our sponsors





SBE



6th Annual Meeting of the Biophysical Society of Canada

Biophysical Society of Canada (BSC) May 19th - 22nd, 2020 | Halifax, NS, Canada





Les Houches - TSRC Workshop on Protein Dynamics

Ecole de Physique des Houches June 7th - 12th, 2020 | Les Houches, France

LES HOUCHES-TSRC WORKSHOP ON PROTEIN DYNAMICS 7 - 12 JUNE 2020, LES HOUCHES, FRANCE



This workshop is a forum for presenting, teaching and discussing results from the application of state-of-the-art experimental (including, but not limited to, optical spectroscopy, NMR spectroscopy, THz spectroscopy, X-ray crystallography, XFELs, electron microscopy, AFM and scattering methods), and theoretical and computational approaches to studying protein dynamics.

ORGANIZERS

ont Blanc massif in April, seen from Les Houches

E. Bordignon (Ruhr University Bochum, DE) M. Heyden (ASU, USA) P. Schanda (Institut de Biologie Structrale, FR) B. Schuler (U Zurich, CH) M. Weik (Institut de Biologie Structrale, FR)

WORKSHOP WEBSITE:

tinyurl.com/protdyn2020

CONFIRMED SPEAKERS N. Ando (USA) F. Mulder (DK) R. Best (USA) R. Neutze (SE) E. Bordignon (DE) F. Noe (DE) C. Chipot (FR) T. Perkins (USA) J. Fraser (USA) K. Petzold (SE) F. Gräter (DE) S. Presse (USA) M. Gruebele (USA) S. Raunser (DE) P. Hamm (CH) L. Schäfer (DE) S. Han (USA) I. Schlichting (DE) G. Haran (IL) B. Schuler (CH) M. Heyden (DE) R. Sprangers (DE) H. Hofmann (IL) A. Stadler (DE) M. Hong (USA) H. Stark (DE) K. Lindorff-Larsen (DK) C. Tang (CN) D. Makarov (USA) D. Tobias (USA) A. Markelz (USA) M. Woodside (CA)



EBSA COURSE ON PROBLEMS AND METHODS IN MEMBRANE BIOPHYSICS

Fuenterrabía/Ondarribía, Spain, 21st-26th, June 2020



EBSA is continuing its Advanced Courses on Biophysics, and due to popular demand, this is 6th of the series focussing on PROBLEMS AND METHODS IN MEMBRANE BIOPHYSICS.

This 5-day advanced course is for PhD students, post-docs and young scientists.

The registration includes full accommodation (housing and meals) and is heavily subsidised by EBSA to ensure widest possible participation.

The number of participants is limited to 40, with preference given to graduate students.







COURSE FORMAT

The course will consist of plenary lectures by specialists in the field of membrane biophysics using most methodologies that are applied to membranes (NMR, X-rays, AFM, EM, Fluorescence, Calorimetry, Molecular Dynamics). Cases studies will be presented by teachers to small groups of participants. Round table discussions where participants will present their ongoing work and for which they may need advice from specialists, will follow.

ORGANISERS:

Alicia Alonso (Bilbao, Spain), Félix M. Goñi (Bilbao, Spain), Anthony Watts (Oxford, UK).



IUPAB News Number 73, January, 2020

Executive Committee of IUPAB

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The Executive Committe and the Council are depicted at the end of he General Assembly in Edinburgh, 18th July, 2017





IUPAB News Number 73, January, 2020

Activities of the INTERNATIONAL UNION for PURE and APPLIED BIOPHYSICS From the Secretary-General: Professor Dr. Juan C. Gomez-Fernandez **Courier address:** Departamento de Bioquímica y Biología Molecular A, Facultad de Veterinaria. Universidad de Murcia, Edificio 17, 30100.Murcia, Spain. Telephone: +34-868884766. Email: jcgomez@um.es **IUPAB** is registered in France according Loi du 1er Juillet 1901-Art. 5, n° ordre 03/000309, n° dossier 00158190

The International Union for Pure and Applied Biophysics (IUPAB) was formed in Stockholm in 1961 as the International Organisation for Pure and Applied Biophysics. It was established as the International Union in 1966, when it became a member of the ICSU (International Council for Science) family. Affiliated to it are the national adhering bodies of 61 countries. Its function is to support research and teaching in biophysics. Its principal regular activity is the triennial International Congresses and General Assemblies.



Important Announcement Sponsorship Policy of IUPAB

As from now on there will be a change in the sponsorship policy with respect to that posted in: <u>http://iupab.org/about/</u> <u>sponsorship/</u> So that point 8, will read:

Applications for financial support of Conferences, Schools and other

should be returned to the Secretary General at least before June 30th of the year prior to the event if it is scheduled for the first semester of the following year or before the 31st of December if it will take place during the second semester.

If organizers of meetings are seeking only the approval of IUPAB, including the use of the IUPAB logo, but not requesting financial support, applications may be submitted to the Secretary General at any time and will be considered by the Executive Committee by correspondence.

Note from the Editor:

IUPAB News will be happy to reproduce articles previously published by bulletins or other publications of any of our Adhering Bodies. We will be also happy to consider articles written by biophysicists on scientific or other subjects of broad interest for the biophysical community. You may contact the Secretary General with respect to this matter.

IUPAB is not responsible for the opinions expressed in the articles here included, nor necessarily share these opinions.

The Editor of IUPAB News is the IUPAB Secretary General Juan Carmelo Gómez-Fernández. This publication is produced and published at the University of Murcia, Departamento de Bioquímica y Biología Molecular A, Campus de Espinardo, Murcia, Spain.

Assistant Editor: Alessio Ausili

It can be found online at: <u>http://iupab.org/category/newsletters/</u>

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