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Important: Sign-Up

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2024 IUPAB Congress in Kyoto : Support for Young Scientists

Kyoto will be the venue for the 21st IUPAB congress (June 24th – 28th 2024). The congress will be hosted by the Biophysical Society of Japan (BSJ) and will be joint with the 62nd BSJ meeting. The congress motto is '**Rocking Out Biophysics**', meaning to shake up and create new biophysics together. Biophysics is a discipline that brings powerful techniques and new perspectives to update existing concepts in the life sciences. This conference will be a place where researchers from a variety of fields from all over the world can gather and enhance further biophysical research.

Outstanding researchers from biophysics and related fields who have made remarkable achievements that bring innovative perspectives and technologies have been invited to plenary and keynote talks. In addition, more than 30 sessions will feature invited talks by leading scientists in their fields. Each session will also include cutting-edge oral presentations by young researchers selected from an open call. In addition, poster presentations that showcase unique research from around the world are encouraged.

Another highlight of the congress will be a hands-on training program for young researchers to experience front-line biophysics research in Japan. In this program, each host university or research institute will accept about 10 young researchers before the main meeting to experience state-of-the-art high-speed AFM technology, ultra-high-resolution and large-field imaging technology, and large-scale simulation technology. Each project is linked to scientific sessions of the congress, providing an opportunity for participating young researchers to learn widely, from the basics to the applications. Partial support for travel expenses is planned for participants in this program. Details will be announced on the [congress website](#) soon.

Abstracts for oral or poster presentations must be submitted online by 31st of January 2024 via the [abstract submission system](#), which is integrated with registration. Early bird registration closes on the 30th of April. Travel bursaries for young scientists can also be applied for from IUPAB. For details please consult the [IUPAB website](#). The deadline for application for IUPAB travel bursaries is the 1st of February 2024.

Bei Shizhang Lectureship : Nominations Open

The Biophysical Society of China and IUPAB have established one triennial Bei Shizhang lectureship to be presented at the IUPAB Congresses to honour the memory and contributions to biophysics of Shizhang Bei, founder of the Institute of Biophysics of the Chinese Academy of Sciences.

IUPAB encourages the nomination of candidates for the Bei Lectureship to be held at the 2024 IUPAB Biophysics Congress, in Kyoto, Japan. The lectureship will be awarded 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\$ 5,000. Self nominations are not permitted.



The IUPAB Council and one member of the Biophysical Society of China will constitute a Jury that will award the lectureship. The eligibility criteria and the nomination procedure are describe on IUPAB's website at <https://iupab.org/bei-lectureship/>. IUPAB Adhering Bodies, Scientific Societies, Universities, Research Institutions or senior biophysicists are all eligible to act as nominators. A given nominator can propose only one candidate for this prize. The nomination packet, in pdf format, should be emailed to the IUPAB Secretary-General Associate Prof. Ronald Clarke (ronald.clarke@sydney.edu.au) before February 29th, 2024.

Avanti-IUPAB Prize : Nominations Open

Avanti Polar Lipids and IUPAB have established one triennial award to be presented at the IUPAB Congresses. IUPAB encourage the nomination of candidates for the Avanti Polar Lipids/IUPAB Medal and Prize to be awarded at the 2024 IUPAB Biophysics Congress, in Kyoto, Japan. 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. Self nominations are not permitted.

The IUPAB Council will constitute a Jury that will make the award. The eligibility criteria and the nomination procedure are describe on IUPAB's website at <https://iupab.org/avanti-iupab-prize/>. IUPAB Adhering Bodies, Scientific Societies, Universities, Research Institutions or senior biophysicists are all eligible to act as nominators. A given nominator can propose only one candidate for this prize. The nomination packet, in pdf format, should be emailed to the IUPAB Secretary-General Associate Prof. Ronald Clarke (ronald.clarke@sydney.edu.au) before February 29th, 2024.

IUPAB Young Investigator Prize : Nominations Open

IUPAB invites all biophysicists to nominate candidates for the IUPAB Young Investigator Medal and Prize to be awarded at the 2024 IUPAB Biophysics Congress, in Kyoto, Japan. 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. Self nominations are not permitted.

The IUPAB Council will constitute a Jury that will make the award. The eligibility criteria and the nomination procedure are describe on IUPAB's website at <https://iupab.org/iupab-young-investigator-prize/>. IUPAB Adhering Bodies, Scientific Societies, Universities, Research Institutions or senior biophysicists are all eligible to act as nominators. A given nominator can propose only one candidate for this prize. The nomination packet, in pdf format, should be emailed to the IUPAB Secretary-General Associate Prof. Ronald Clarke (ronald.clarke@sydney.edu.au) before February 29th, 2024.

11th Weber Symposium, Uruguay

The 11th International Weber Symposium on Innovative Fluorescence Methodologies in Biochemistry and Medicine, known as the "Weber Symposium," supported by IUPAB, was held in Punta del Este, Uruguay, from January 8th to January 13th, 2023. This symposium paid tribute to the remarkable contributions of Professor Gregorio Weber in the field of fluorescence and spectroscopy, and showcased the latest advancements in fluorescence microscopy techniques and their applications in the biological and medical sciences.

The entire symposium was meticulously recorded to preserve the valuable insights and discussions exchanged during the event. The recorded proceedings are available to the global scientific community, enabling researchers, scientists, and students worldwide to access this valuable [resource](#). This initiative aims to promote global collaboration, knowledge dissemination, and further progress in the field of fluorescence microscopy methodologies.



Vietnam NanoBioCoM2023

The successful realization of "The first international symposium of nano life science: Nano Biotechnology, Biosensor, Computation (NanoBioCoM2023)" from September 17th to 19th, 2023, at the International Center for Interdisciplinary Science and Education (ICISE) in Quy Nhon City, Binh Dinh Province, Vietnam, was made possible through the robust support of IUPAB as one of the main sponsors.

NanoBioCom2023 represented a milestone as the inaugural international conference in Vietnam dedicated to Nanotechnology and Nano Life Sciences. The conference drew the active participation of more than 100 scientists, researchers, and graduate students from over 50 universities, research institutes, and scientific organizations spanning 15 countries. The conference had three core themes: Nano Biotechnology, Biosensor, and Computation. Its objective was to establish a scientific forum in Vietnam, particularly tailored to young scientists hailing from diverse domestic and international backgrounds, offering them the opportunity to convene, exchange ideas, and deliberate on the latest advancements in the field of Nano Life Sciences, with a focus on addressing contemporary challenges in life sciences.

A substantial contribution to the conference's success was the presentation of 76 scientific talks, including three plenary lectures delivered by distinguished international biophysicists (Professor Mai Xuan Ly from the Polish Academy of Sciences, Professor Madan Rao – President of the Indian Biophysical Society, and Professor Hiroyuki Noji – President of the Biophysical Society of Japan).

Notably, NanoBioCom2023 bore witness to active participation from research students, constituting approximately 25% of the attendees, with near parity in male and female representation. The conference gained further distinction from the presence of members of the governing bodies of the Indian Biophysical Society, the Biophysical Society of Japan, and the Asian Biophysics Association. Delegates from these organizations expressed steadfast support for Vietnam's aspirations to establish a Vietnamese Biophysical Society in the future, with the ultimate goal of achieving official membership in international biophysics associations.



Argentinian Biophysical Society Meeting, Cordoba

The 51st annual meeting of the Argentinian Biophysical Society (SAB), supported by IUPAB, was held in the city of Córdoba from the 29th November to the 1st December, 2023. The meeting had a record of 200 participants, 5 plenary lectures, 6 symposia, and 178 poster presentations (including the oral communications that were presented in both formats). During SAB2023 the Argentinean biophysical community and members of the Latin American scientific community engaged in highly productive dialogues regarding current developments across all domains of biophysics. Plenary lectures were held by Dr. Dario Estrin (INQUIMAE UBA, Argentina), Dr. Mario Ermácora (IMBICE UNQ, Argentine), Dr. Dante Beltramo (CEPROCOR and ICC, Argentine), Dr. Jesús Perez Gil (UCM, Spain) and the IUPAB sponsored lecture by Dr. Eneida de Paula (UNICAMP, Brazil).

Six symposia were organized to present cutting edge research of prominent Argentinian and international investigators, as well as oral presentations from postdocs, PhD students, and young researchers chosen from the poster abstracts presented. This resulted in an engaging series of talks that attracted the attention of both young and senior researchers and sparked numerous debates. One of the symposia paid homage to the esteemed Dr Bruno Maggio, during which various speakers underscored the pivotal role played by Dr Maggio in advancing the field of lipid biophysics in both Argentina and South America.

Among the excellently presented posters, Agustin Caviglia, a PhD student at IBBEA -CONICET, was awarded the IUPAB Prize for students or young biophysicists for his work entitled “Tension-Driven Conformational Changes in FaPIP2;1: Decoding Mechanosensitivity in Plant Aquaporins Through Computational Modeling”.

In line with past editions, SAB supported the Young Initiative on Biophysics (YIB), a group of young researchers and students established in 2015 with the goal of creating a network of postdoctoral researchers, PhD candidates, and undergraduate students to exchange ideas, inspiration, and guidance. The VII YIB Meeting welcomed more than 80 participants between undergraduate and graduate students from different regions of Argentina and Uruguay. The scientific program included keynotes, flash talks, one round table, three simultaneous

workshops on different biophysical techniques, and the 5th edition of “My Project in 2 Minutes” where ten young attendees were challenged to talk about their research projects in only two minutes. Having worked hard and achieved much during the day, everyone gathered in a laid-back spirit of friendship and camaraderie in the last activity the biobeer. This year, 20 IUPAB fellowships were awarded to support the attendance of young researchers at the YIB Meeting.

The SAB meeting concluded with a round table discussion on evaluation criteria in science and technology, including aspects related to scholarships, income and research career promotion of the National Scientific and Technical Research Council (CONICET), projects and critical analysis on the effect of the cost of publication in open access journals trying to provide proposals for local and regional actions.



Mechanobiology Symposium 2024, Italy

The 7th Nanoengineering for Mechanobiology Symposium, Mechanobiology of Molecular and Cellular Systems, will be held from the 3rd - 7th of March 2024 in Camogli, Genova, Italy. For more details and to register visit the [symposium website](#).

Social Media

IUPAB is now on social media platforms! These include Twitter (@IUPAB1), Instagram (IUPAB1) and Facebook (IUPAB2). Please head over to any of these pages to keep up to date on all IUPAB activities. Additionally, a brand new [website](#) has been launched! A IUPAB Wiki page has also been created – details [here](#).

Future IUPAB Congresses

2024 (June 24-28th) Kyoto, Japan, Chair: Hiroyuki Noji, Tokyo

2027 (October 10 – 14th) Berlin, Germany

Links are posted and updated on the [IUPAB.ORG](https://www.iupab.org) website.



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