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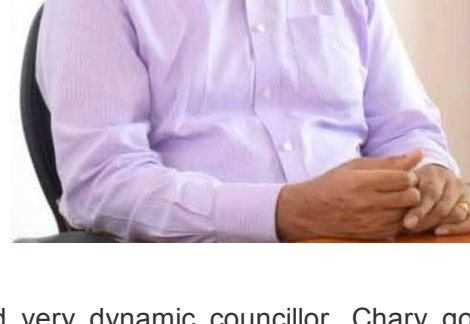
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Important: Sign-Up

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Obituary: Professor Kandala Chary

On Tuesday the 4th of October, the IUPAB Executive Committee received the unexpected and shocking news that Prof. Kandala Chary had suddenly passed away. Prof. Chary was Founder Director of the Indian Institute of Science Education and Research in Berhampur, India. He was elected councillor of IUPAB for India in July 2021, and enthusiastically joined IUPAB activities, specifically the IUPAB Big Data Task force.



In his capacity of being responsible of the Big Data Task force, Chary was undoubtedly a most active and very dynamic councillor. Chary got involved with incredible passion and commitment in the organization of several initiatives. He was tremendously dedicated to raise awareness about the most recent approaches to biophysical data handling and sharing.

The Executive Committee had the honour to know his dedication particularly during the organization of a IUPAB-sponsored event entitled "Learning: What Big Data in Biophysics can teach us all". His commitment and unique dedication to science advance and challenges will remain with us and will undoubtedly represent an inspiration for the future.

Obituary: Dr Jean Garnier

With sadness we report that Dr. Jean Garnier, former President of IUPAB (2002-2005) and founding Chief Editor of *Biophysical Reviews* (2009-2013), has passed away at the age of 93. Jean was one of the founders of the subject of bioinformatics. The ongoing project that is *Biophysical Reviews* was both established and launched by Jean.



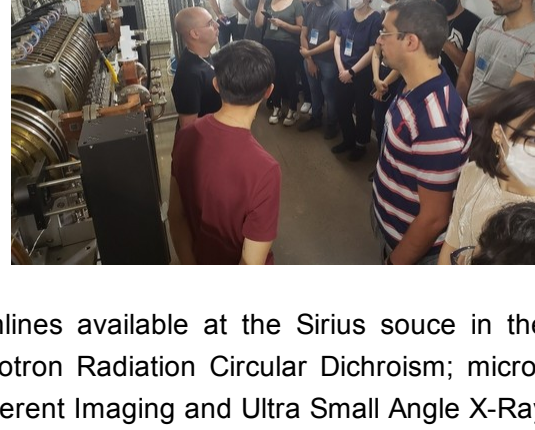
Jean Garnier's combined efforts, as both an active top-level scientist and a conscientious science citizen (sacrificing some of his research time to establish beneficial scientific institutions), serves as an exemplary model of behaviour within the science community.

Jean Garnier held the Order of Honors in Agronomy (Méríte Agricole), Officer, Order of Honors in Education (Palme Académiques), Knight. He also held a laureate position at the Ministry of Agriculture, USA, and the position of Research Director at the French National Institute for Agricultural Research. He was a widely respected expert in protein science and was particularly recognized for his research on protein secondary structure and protein modelling that received many thousands of citations. He wrote many scientific papers and was a huge influence on the work of many. He authored/coauthored a series of textbooks on proteins and protein engineering that were widely used in universities. Jean was born in Saint-Maurice (Val de Marne), eastern suburbs of Paris, in 1929, and was a proud Parisian for much of his life, interrupted only by periods of research abroad. He is survived by his wife Mildred Beswick-Garnier, his children Christine, François, Dominique, and Florence, and nine grandchildren. In lieu of flowers and wreaths, the family request donations to the center for palliative care <https://www.jeanne-garnier.org/>.

IUPAB-Sponsored Biophysics

Latin America Mini-Course

The Biophysics Latin America mini-course, sponsored by IUPAB and organized by a committee chaired by Rosangela Itri (President of the Brazilian Society of Biophysics), took place at the Brazilian Synchrotron Source Sirius, Campinas, São Paulo, Brazil, from the 1st-3rd of September 2022. The Mini-Course was focused on three new techniques and beamlines available at the Sirius source in the format of classes and hands-on sessions: Synchrotron Radiation Circular Dichroism; micro-FTIR and Coherent X-Ray Diffraction including Coherent Imaging and Ultra Small Angle X-Ray Scattering.



IUPAB support allowed 22 students from Latin America to be selected from 80 applicants. PhD students and young researchers (post-docs) from Argentina, Brazil, Cuba, Ecuador and Uruguay attended. The mini-course presented the state-of-art of these new experimental tools available at the Synchrotron Sirius Source, which represents an immense benefit for novel research projects in South America.

The students were divided in 3 groups, where each group had theoretical and practical lessons on each experimental facility per day. The photo above shows students visiting the Sirius synchrotron storage ring.

IUPAB Supports Efforts in

Africa to Establish

Biophysics Chapters

In October, four networking events took place as part of a new initiative to establish five Biophysics Chapters in Africa, funded by the Biophysical Society (BPS). Dr Philip Amuyunzu Mang'are, (Masinde Muliro University of Science and Technology, Kenya; pamuyunzu@mmust.ac.ke), a BPS Ambassador, organized the events, each of which was in a different location and attracted around 70 participants, mainly in person. At the instigation of Tony Watts, IUPAB President-Elect, IUPAB funded the ZOOM conference platform to allow on-line participation to widen the engagement, as well as permit lectures from overseas speakers to be presented. Additionally, Biophysics BSc, Masters and PhD courses are being established at MMUST and Nairobi, and IUPAB is providing support when possible.



German Biophysical Society Reinitiates

Face-to-Face Meetings

After a COVID-enforced hiatus of two years, in September the German Biophysical Society reinitiated face-to-face meetings with a conference at the University of Konstanz, organized by Karin Hauser. With over 200 presenting scientists in plenary sessions, three parallel sessions and poster sessions over 4 days on topics including Membrane Biophysics, Computational Biophysics, Biospectroscopy, Cell Biophysics, Imaging, Microscopy, Single Molecule Biophysics, and Photobiophysics, it was clear that German Biophysics is in a very healthy state and has well and truly overcome the difficulties enforced by lockdowns and COVID restrictions. The Society's Young Investigator Award was won by Dr Georg Krainer (pictured), University of Cambridge, who gave an excellent on-line talk entitled "*Next generation microfluidic approaches for protein biophysics*." Dr Krainer presented his talk remotely, not because of COVID, but because his wife was awaiting the imminent birth of their first child.



The breadth and quality of German Biophysics evident at the meeting augurs well for the 2027 IUPAB Congress which will be hosted for the first time in Germany by the German Biophysical Society in Berlin.

Computational Biophysics of

Atomic Force Microscopy

Workshop

In September, the historical city of Kanazawa, located on the north face of Japan was the venue for a IUPAB sponsored workshop on the computational biophysics of atomic force microscopy, organized by Takashi Sumikama, Damien Hall, and Holger Flechsig. Aside from having spectacular natural beauty (mountains adutting the ocean), an ancient castle and perhaps the most beautiful and famous historical garden in Japan, Kanazawa is also famous for housing one of Japan's 14 world premier institutes (WPIs). The centre based in Kanazawa, known as the WPI-Nano Life Science Institute (Nano-LSI), is housed at the mountainous Kakuma campus of Kanazawa University (shown above). Largely based around the ground-breaking achievements of Prof. Toshio Ando, the major focus of the WPI-Nano LSI is the development and application of scanning probe microscopy (SPM) procedures



The workshop was conducted over 3 days and involved 19 expert talks delivered by speakers from Japan, UK, Finland and Australia. Dealing with subject areas ranging from software development for machine control, *in silico*-based experimental parameter optimization, simulation of SPM experiments by approaches using coarse-grained to quantum levels of detail, machine learning methodology and post-acquisition structural data analysis, the workshop had 244 registrants with 36 onsite attendees and 67 online zoom channels opened in 23 different countries. IUPAB funds were used to sponsor 8 travel awards, with 3 international awards provided to participants from the near Asia region and 5 domestic awards given to participants from the 5 different regions of Japan. Conducted during a period of re-opening of Japanese society after a long time of COVID-related closure, the workshop allowed for new contacts and friendships to be made and healthy scientific discussion to be entered into. The workshop will be held every 2 years (the next in 2024).

Social Media

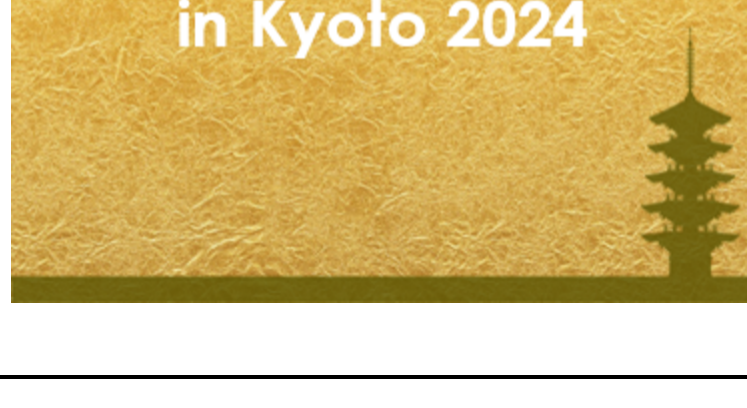
IUPAB is now on social media platforms! These include Twitter (@IUPAB1), Instagram (IUPAB1) and Facebook (IUPAB2). Please head over to any of these pages to keep up to date on all IUPAB activities. Additionally, a brand new website is under construction and will be launched within the next 2 months! 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 will be posted on the [IUPAB.ORG](https://www.iupab.org) website when they are available.



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