



Compte rendu du 19^e congrès international de biophysique à EDIMBOURG, Ecosse du 16-20 juillet 2017.

Le 19^e congrès international de Biophysique (IUPAB) a été organisé conjointement avec le 11^e congrès de l'European Biophysical Societies' Association (EBSA) par la British Biophysical Society et le Biological Physics Groups of the Institute of Physics du 16 au 20 juillet 2017 à Edimbourg en Ecosse.

Il a réuni 1252 participants provenant d'une cinquantaine de pays différents dont 35% d'étudiants.. Tous les grands thèmes de la biophysique moderne ont été couverts avec les meilleurs spécialistes mondiaux, le programme joint en annexe était de très haut niveau. Les deux premières conférences plénières ont été données par Christopher Dobson et Venki Ramakrishnan. Il y a eu une très large participation de biophysiciens européens 73% mais il faut souligner que les 17^e congrès et 18^e congrès se sont déroulés en Chine et en Australie respectivement. La France a été représentée par une soixantaine de biophysiciens.

La participation européenne a été très importante. La participation française a été acceptable, 60 personnes sur 1252 participants. Six scientifiques français ont été invités par le Comité Scientifique du Congrès comme conférenciers (M. Lenz, O. Rivoire, O. Hamant, P. Sens, V. Emiliani, M. Blackledge) et six autres ont été sélectionnés pour faire une présentation orale (F. Bansept, S. Arbault, A. Chenal, I. Guijarro, B. Kieffer, I. Alves) tandis que cinq autres ont été proposés comme modérateurs (P-E Milhet, P-F Lenne, R. Melki, M. Blackledge, J. Cherfils). Les 3 représentants français à l'Assemblée Générale triennale de l'IUPAB ont été Jacqueline Cherfils, Erick Dufourc, Bruno Kieffer. Les minutes de l'AG sont jointes en annexe. Erick Dufourc a été élu comme membre du Conseil de l'IUPAB.

L'IUPAB a attribué 100 bourses de voyage à des étudiants pour faciliter leur participation au congrès.

Le prochain congrès se tiendra à Rio de Janeiro en 2020.

Finances du Comité national de Biophysique

Le solde du CNB au dernier relevé de compte (31 Janvier 2018) est donc créditeur de 8070,13 €. Le COFUSI n'a plus versé d'argent au CNB depuis plusieurs années, sauf 987, 60 € au mois de Janvier 2018. Est-ce que cela correspond aux 10% (450 €) de complément de cotisation à l'IUPAB qui devrait rester à la charge du CNB ou une prise en charge partielle des frais pour se rendre au congrès IUPAB.

Fusion du Comité national de Biophysique et de la Société Française de Biophysique.



Le comité national de biophysique (CNB) après avoir effectué un rapprochement avec la Société Française de Biophysique (SFB) opte pour une fusion.

Ce rapprochement a permis de renforcer les interactions avec la communauté française de biophysique au travers de la Société Française de Biophysique, la présidente du CNB étant membre du bureau de la SFB. Au cours des trois dernières années la SFB a organisé deux congrès nationaux

XXVe congrès 13 – 16 décembre 2016 Obernai, Bas-Rhin

XXIVe congrès 10 – 14 novembre 2014 Guéthary, Pyrénées-Atlantiques

Le prochain étant programmé pour novembre 2018.

Tous les ans La Société de Biophysique décerne le prix jeune chercheur.

N'ayant pas vraiment d'activité scientifique ni de possibilité d'offrir des bourses pour des étudiants il nous semble plus opportun de rassembler les forces de la Biophysique Française et souhaitons donc maintenant fusionner avec la SFB

La procédure que nous suivrons, sera la suivante:

- faire acter par le CA de la SFB le principe de la fusion avec acceptation de prendre en charge les missions du CNB
- avertir officiellement le COFUSI du résultat (Mme Combes, Présidente)
- ensuite lors d'une seconde CA de la SFB, faire accepter les modalités de la fusion (devoirs, contraintes, missions...). Ainsi :
 - la SFB aura une personne (chargé de mission/vice-président) qui aura en charge les missions du CNB (telles que libellées dans les statuts du CNB) (Le président). Il s'agit de promouvoir la discipline au niveau national, mais aussi au sein de l'organisme international concerné. La SFB nommera les représentants français pour les AG de l'IUPAB ;
 - Le président du CNB est membre de droit du CA de la SFB ;
 - Le CNB conservera un compte séparé pour gérer le budget qui lui est alloué par le COFUSI ;
 - le CNB informera l'IUPAB du changement de statut et lui communiquera les noms et adresses des Président et Secrétaire Général de la SFB.





Annexe 1 : programme du 19^e congrès de l'IUPAB et 11^e congrès de l'EBSA

19th IUPAB congress and 11th EBSA congress

Programme Overview

Programme overview

Sunday 16 July		Monday 17 July					Tuesday 18 July						
08:00–18:00	Exhibition build Strathblane and Cromdale Halls	08:00–18:00	Registration Atrium					08:00–18:00	Registration Atrium				
		09:00–09:45	PLENARY Helmut Grubmüller Lennox Suite					09:00–09:45	PLENARY Sheena Radford Lennox Suite				
		09:45–09:55	Movement break					09:45–09:55	Movement break				
		09:55–11:10 Parallel sessions	S01 Parallel Session Lennox Suite	S02 Parallel Session Pentland Auditorium	S03 Parallel Session Lomond Suite	S04 Parallel Session Sidlaw Auditorium	S05 Parallel Session Fintry Auditorium	09:55–11:10 Parallel sessions	S11 Parallel Session Lennox Suite	S12 Parallel Session Pentland Auditorium	S13 Parallel Session Lomond Suite	S14 Parallel Session Sidlaw Auditorium	S15 Parallel Session Fintry Auditorium
		11:10–11:40	Refreshments and exhibition Cromdale and Strathblane Halls					11:10–11:40	Refreshments and exhibition Cromdale and Strathblane Halls				
		11:40–12:40 Parallel sessions	S06 Parallel Session Lennox Suite	S07 Parallel Session Pentland Auditorium	S08 Parallel Session Lomond Suite	S09 Parallel Session Sidlaw Auditorium	S10 Parallel Session Fintry Auditorium	11:40–12:40 Parallel sessions	S16 Parallel Session Lennox Suite	S17 Parallel Session Pentland Auditorium	S18 Parallel Session Lomond Suite	S19 Parallel Session Sidlaw Auditorium	S20 Parallel Session Fintry Auditorium
12:30–14:00	EBSA EC First Meeting Harris 1	12:40–14:40	Lunch, posters and exhibition Cromdale and Strathblane Halls					12:40–14:40	Lunch, posters and exhibition Cromdale and Strathblane Halls				
13:30–18:00	Registration Atrium	12:40–14:40	HFSP Support for Biophysicists Fintry Auditorium					12:40–13:00	BBS AGM Fintry Auditorium				
14:30–15:30	PUBLIC LECTURE Christopher M Dobson Lennox Suite	12:40–13:40	Japan Bid Presentation Ochil Room					13:00–13:45	Physics of Life Network Fintry Auditorium				
		13:00–14:00	Physics of Life Steering Group meeting Carrick Room 2					14:00–18:10	IUPAB - EGA and GA Meeting, followed by formal bids Lammermuir Suite				
16:45–17:15	13:00–14:30	EBSA National Societies' Presidents Meeting Harris Room 1											
	13:30–14:40	Biophysical Reviews, Springer-Nature Editorial Board Meeting Harris Room 2											
17:15–18:00	PLENARY Venki Ramakrishnan Lennox Suite	14:40–15:25	PLENARY Xiaolang Sunney Xie Lennox Suite					14:40–15:25	PLENARY Terry Hwa Lennox Suite				
		15:25–15:50	EBSA YOUNG INVESTIGATOR AWARD 2017 Philipp Kukura Lennox Suite					15:25–15:50	NEW & NOTABLE Francols-Xavier Theillet Lennox Suite				
		16:00–18:00	IUPAB Council Meeting Harris Room 2										
18:00–19:30 Welcome reception Cromdale and Strathblane Halls		16:00–17:15 Parallel sessions	S06 Parallel Session Lennox Suite	S07 Parallel Session Pentland Auditorium	S08 Parallel Session Lomond Suite	S09 Parallel Session Sidlaw Auditorium	S10 Parallel Session Fintry Auditorium	16:00–17:15 Parallel sessions	S16 Parallel Session Lennox Suite	S17 Parallel Session Pentland Auditorium	S18 Parallel Session Lomond Suite	S19 Parallel Session Sidlaw Auditorium	S20 Parallel Session Fintry Auditorium
		17:15–17:45	Refreshments and exhibition Cromdale and Strathblane Halls					17:15–17:45	Refreshments and exhibition Cromdale and Strathblane Halls				
		17:45–18:45 Parallel sessions	S06 Parallel Session Lennox Suite	S07 Parallel Session Pentland Auditorium	S08 Parallel Session Lomond Suite	S09 Parallel Session Sidlaw Auditorium	S10 Parallel Session Fintry Auditorium	17:45–18:45 Parallel sessions	S16 Parallel Session Lennox Suite	S17 Parallel Session Pentland Auditorium	S18 Parallel Session Lomond Suite	S19 Parallel Session Sidlaw Auditorium	S20 Parallel Session Fintry Auditorium
		19:00–21:00	Whisky and Craft Beer Tasting Reception Posters and Exhibition Cromdale and Strathblane Halls					19:00–20:00	EBSA General Assembly Fintry Auditorium				

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Wednesday 19 July						Thursday 20 July					
08:00-18:00	Registration Atrium					08:00-13:30	Registration Atrium				
09:00-09:45	PLENARY Jean-Marie Ruysschaert Lennox Suite					09:00-10:15	S31 Parallel Session Lennox Suite	S32 Parallel Session Pentland Auditorium	S33 Parallel Session Lomond Suite	S34 Parallel Session Sidlaw Auditorium	S35 Parallel Session Fintry Auditorium
09:45-09:55	Movement break					10:15-10:45	Refreshments Cromdale and Strathblane Halls				
09:55-11:10 Parallel sessions	S21 Parallel Session Lennox Suite	S22 Parallel Session Pentland Auditorium	S23 Parallel Session Lomond Suite	S24 Parallel Session Sidlaw Auditorium	S25 Parallel Session Fintry Auditorium	10:45-11:45 Parallel sessions	S31 Parallel Session Lennox Suite Movement break	S32 Parallel Session Pentland Auditorium	S33 Parallel Session Lomond Suite	S34 Parallel Session Sidlaw Auditorium	S35 Parallel Session Fintry Auditorium
11:10-11:40	Refreshments and exhibition Cromdale and Strathblane Halls					11:45-12:00	Movement break				
11:40-12:40 Parallel sessions	S21 Parallel Session Lennox Suite	S22 Parallel Session Pentland Auditorium	S23 Parallel Session Lomond Suite	S24 Parallel Session Sidlaw Auditorium	S25 Parallel Session Fintry Auditorium	12:00-12:45	PLENARY Robert J Lefkowitz Pentland Auditorium				
12:40-14:40	Lunch and posters Cromdale and Strathblane Halls					12:45-13:15	Closing Ceremony Pentland Auditorium				
12:40-14:40	3Rs and Biophysics Fintry Auditorium					13:30-14:30	EBSA EC Second Meeting Harris Room 1				
12:40-14:40	Bridging the gap: Undergraduate education across the disciplines Ochil Room										
12:40-14:00	European Biophysical Journal, Springer-Nature Editorial Board Meeting Harris Room 2										
13:30-14:30	EBSA 2019 committee meeting Carrick Room 2										
14:40-15:25	PLENARY Petra Schwille Lennox Suite										
15:25-15:50	NEW & NOTABLE Timo Appelhans Lennox Suite										
16:00-18:00	IUPAB New Council Meeting Harris Room 1										
16:00-17:15 Parallel sessions	S26 Parallel Session Lennox Suite	S27 Parallel Session Pentland Auditorium	S28 Parallel Session Lomond Suite	S29 Parallel Session Sidlaw Auditorium	S30 Parallel Session Fintry Auditorium		S01 – Multiscale Biophysics of Membranes S02 – Molecular Machinery S03 – Quantitative Approaches to Gene Regulation S04 – Synthetic Biology S05 – Protein-Nucleic Acid Interactions S06 – Protein Structure to Function S07 – Nanobiophysics S08 – Forces in and Between Cells: Filaments, Membranes and Walls S09 – Systems Biology S10 – Quantum Biology S11 – Computational Biophysics S12 – Protein Misfolding S13 – Mechanosensing and Mechanoregulation S14 – Correlative, Multiscale and Functional Imaging S15 – Evolution, Ecology, Collective and Emergent Behaviour S16 – Molecular and Cellular Processes of Energy Transduction S17 – Membrane Permeation: Channels S18 – Modelling, Inference, Big Data S19 – Experimental and Computational Approaches to Protein Design S20 – Active Matter S21 – Membrane Permeation: Transporters S22 – Imaging the Cell S23 – Biomimetic Structures and Systems S24 – Drug Discovery and Delivery S25 – Motility and Migration S26 – Applications in Biomedical and Materials Science S27 – Protein Folding and Assembly S28 – Morphogenesis and Development S29 – Optogenetics and Neural Systems S30 – Ionic Liquids Meet Biomolecules S31 – Imaging Molecules of Life S32 – Receptors and Signalling S33 – Membrane-Active Peptides S34 – Why Disorder Matters S35 – Physics of Cancer				
17:15-17:45	Refreshments and exhibition Cromdale and Strathblane Halls										
17:45-18:45 Parallel sessions	S26 Parallel Session Lennox Suite	S27 Parallel Session Pentland Auditorium	S28 Parallel Session Lomond Suite	S29 Parallel Session Sidlaw Auditorium	S30 Parallel Session Fintry Auditorium						
19:30 onward	Conference dinner and ceilidh (open to all registered participants) Atrium, Strathblane Hall, Cromdale Hall										



Annexe 2 : Compte rendu de l'AG de l'IUPAB

FIRST DRAFT

MINUTES of Meeting of Council of IUPAB held on Wednesday, July 19, 2017 in Harris Room 1 of the EICC in Edinburgh, Scotland at 1600 hours.

PRESENT: Marcelo MORALES (President), Manuel PRIETO (President-Elect), Zi-He RAO (Past President); John BAENZIGER (Treasurer), Juan Carmelo GOMEZ-FERNANDEZ (Secretary-General), Silvia ALONSO, David Crossman, Erick DUFOURC, Hans-Joachim GALLA, Hiroyuki NOJI, R. Daniel PELUFFO, Peter POHL, Ksenija RADOTIC, Ch. Mohan RAO, Brian Trevor SEWELL, Frances SPEAROVIC and Giuseppe ZUCHELLI.

By invitation: Cris dos REMEDIOS (Retiring Sec-General).

There was no official Agenda for this meeting.

1. The President asked all Councillors to introduce themselves and indicate their areas of special interest and research, which they did.

The President noted that he was founder of POSLATAM and is Vice President of the Brazilian Council for Technical Research and Development. After two terms as a Councillor, he looks forward to the development of the Council's role.

2. CdR offered to help or answer questions or bounce off ideas, especially during the transition period to the new Council and Executive. He also confirmed that he will remain as Editor-in-Chief of *Biophysical Reviews* and looks forward to dynamic involvement of the new Council with this.

3. Morales spoke of the IUPAB history since 1961. Its main goal is to promote biophysics as science and education. He reminds the meeting that the Executive will share communications with Council so that there can be more joint participation, so that the work is shared and thus more is achievable. The President pointed out that the Task Forces are an important facet for IUPAB.

All Adhering Bodies should be brought into closer communication, to work with Council and to be more widely effective.

IUPAB needs to be FAST, which needs better communication, thus Morales plans to be very consultative.



4. The WEBSITE must change to be more modern, accessible from mobile/tablet, etc.

Seminars, classes, leaders in biophysics as contributors should be able to use the website as a reference.

COST: an estimate has been received for €4000 to construct a new website. Fulltime maintenance €200 per month, each issue €400.

The Sec-General is concerned that with too many issues, who will contribute? He suggests begin slowly, with not too many issues.

Morales suggests a special committee might be good for that. Rao made the point that a dearth of news can be a problem.

Separovic suggested quarterly issues to begin. There would be a low cost to have known speakers recording tutorials to be used via website access.

5. The *NEWS* needs to be more available to everybody and to other Societies in the biophysics community. The online version will only work with good and regular contributors.

6. The Treasurer pointed out that IUPAB is an umbrella organization. Are we recruiting members? A good sense of where we are going and how to get there is needed.

He feels that cutting out a Workshop/School is not a good idea.

7. Alonso explained that IUPAB is a union of separate societies. Council should contribute from local societies to the Union, e.g. communication. She asked who has time for producing video tutorials? Perhaps each councillor should undertake to give one contribution.

8. Prieto agrees that a professional manager for the website is needed. There is general concern about the costs, and he feels there is a need for more negotiation on this. He suggested that IUPAB contact other Societies to send their issues for us to compare.

He suggested a young committee could be recruited to the website/News to make it more dynamic. IUPAB should organize more collaborative meetings with regional societies. More frequent meetings could be organized, at least annually, and there should be more publications. Noted that IUPAP is a competitor. IUPAB could join with EBSA meetings.

9. Morales recapped that it is possible to start from the beginning by participating with, e.g., BS, ABA, etc., adding a symposium at such meetings.



Treasurer points that the revenue of the BS, for example, is much greater and he urged caution in trying to compete with much larger organizations.

It would be more effective to create a niche, e.g. for Workshops, which is unique.

Morales notes the possibility of offering sponsors once the website is up and running. There is a need to think about how to generate revenue.

Prieto commented that other Societies should not be considered competitors. The BS is worldwide. Joint ventures are more effective than opposition.

10. Prieto and Gomez-Fernandez discussed initiating a new journal.

Journals and Revenues are a strategic factor. A high Impact Factor is not essential, but will give good financial support. Launching a new journal without a huge system behind it is very difficult. A journal even with a low IF is still good. The Sec-General discussed Impact Factor. Many councillors felt that it's not vital, but compared it with the Michelin star ratings.

Morales agreed that the idea bears investigation.

11. Communication: Peluffo suggests using *WhatsApp* group.

Sec-General wants to participate in EPSAT and IUPAP in Madrid with a symposium. Morales agreed in principle. *WhatsApp* and email are not mutually exclusive.

Morales asked for decisions, and who will invite scientists for interviews.

12. Treasurer asked for a vote on money for the website. Noji asked about possible sponsors. Sec-General noted that sponsors want to know the number of hits to a page.

2023 plans need to be formulated, and 2020 communication channel between Brazil and IUPAB (especially Treasurer) in terms of contributions, and what IUPAB needs.

13. Statute changes from Gordon Roberts need work by Executive. Morales feels strongly that the Statutes should be changed to permit electronic meetings.

14. Delisting of delinquent Adhering Bodies. Peluffo feels poor countries should not be delisted. Treasurer pointed out that poor countries can have Observer status, with no subscription.



15. Separovic suggested poster prizes for website entries. She has no objection to the website update, subject to negotiation on costs.

There being no other business, the President declared the meeting closed at 1715 hours.
