P09-3
Promotion of educational innovation in biosciences from European scientific societies

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A concern about teaching methods and strategies is increasing among the educators in biochemistry and molecular biology. This is boosted by the fast development of the subject, the changing attitudes of the young and the need to train the students for a fast evolving professional market. It has been particularly reinforced since the needed reform in the degrees for the European Higher Education Area.

To many university professors this has brought a great deal of stress and doubts. But we are not alone, and our particular situation is not singular. Many people in many countries are facing similar challenges for readressing teaching methodologies. Therefore, it is capital that we know experiences from other colleagues, we work together in designing the best approaches for our task as instructors, trainers, facilitators of learning.

FEBS has been supporting communication among biochemistry educators from diverse countries. Aims are to disseminate advice and educational strategies, facilitate sharing, encourage innovative methods, as well as define quality standards. FEBS Education Committee regularly develops education workshops and organises sessions within each FEBS Congress. Another initiative is the group of FEBS Education Ambassadors', with a representative from each interested national society, that is working to strengthen collaboration and developments.

An ongoing project is a new web portal, the FEBS Expert Network, that will grow a community, foster collaboration, provide services, and support FEBS activities. The education channel within this portal will provide means for connection, exchange, discussion, and support for courses.

Finally, a new Education Section has been created in FEBS Open Bio, to attract research articles dealing with educational issues.
XL SEBBM Congress
The Annual Congress of the SFBBM
23–26 October Barcelona 2017

SCIENTIFIC PROGRAM | Working Groups Meetings

Monday, October 23, 2017

RO9. Teaching Biochemistry
From 14:30 to 17:00 h
Coordination: Néstor V. Torres Dairas (Department of Biochemistry, Microbiology, Cell Biology and Genetics, Universidad de La Laguna; Coordinator of the Group of Teaching of Biochemistry of the SEBBM, Ambassador for Education of the SEBBM in FEBS) and Juan Antonio Aguilera Mochón (Opto. Bioquímica y Biología Molecular I, Univ. de Granada, Granada, ES)

14:30 - 14:50 h Room 4
P09-3 Promotion of educational innovation in biosciences from European scientific societies
Ángel Herrero - Biochemistry and Molecular Biology, Dept. of Systems Biology, Universidad de Alcalá, Alcalá de Henares, ES

14:50 - 15:10 h Room 4
P09-14 Composing good practices on education
Jean-Luc Souciet - Professeur émérite, Université de Strasbourg and CNRS; Member of FEBS Education Committee, Strasbourg, FR

15:10 - 15:30 h Room 4
P09-10 Relevance and impact of the formative profile of new students in science degrees for their progress and permanence (with special attention to their results in Biochemistry subjects)
Rodrigo Trujillo González - Universidad de La Laguna, La Laguna, ES

15:30 - 15:50 h Room 4
P09-15 Is Problem-Based Learning a Motivating Didactic Strategy for Undergraduate Science Students to Study Metabolism?
Miguel Ángel Medina Torres - Universidad de Málaga, Andalusia Tech, Departamento de Biología Molecular y Bioquímica, Facultad de Ciencias, Màlaga, ES

15:50 - 16:10 h Room 4
P09-11 Teaching strategies to afford mathematical contents in Molecular Systems Biology: an experimental on-hands oriented experience
Hilario Ramírez Rodrigo - Department of Biochemistry and Molecular Biology I, University of Granada, Granada, ES

16:10 - 16:30 h Room 4
P09-16 Enhanced interactivity in and outside the classroom
Magali Blaud - Department of Biological and Medical Sciences, Université Paris Descartes, Paris, FR

16:30 - 16:50 h Room 4
P09-6 The challenge of improving the understanding of biochemistry: a new methodology integrating basic subjects in clinical scenarios
Iván Rodríguez-Martin - Universidad Europea de Madrid, Villaviciosa de Odón, ES

R20. Emerging Scientist Workshop
From 14:30 to 17:00 h
Coordination: Fernando Moreno-Herrero (Centro Nacional de Biotecnología, CSIC, Madrid)

14:30 - 14:50 h Room 3
P20-13 How a bacterial actin regulates a bacterial tubulin to divide Escherichia coli cells
Marcin Kruka - University of Texas, Health Science Center at Houston, Houston, US

14:50 - 15:10 h Room 3
P20-8 Substance P and its receptor NK1 regulates disseminated tumour cells biology and dormancy
Paloma Bragado - IDIBAPS, Barcelona, ES

15:10 - 15:30 h Room 3
P20-14 Structural basis for transthyretin amyloidosis
Javier Oroz - DZNE, Göttingen, DE

15:30 - 15:50 h Room 3
P20-3 Novel pathways involved in the control of survival and death in neuronal ischemic tolerance
Maria Delgado-Esteban - Institute of Biomedical Research of Salamanca, Salamanca, ES