

**FEBS WORKSHOP ON  
MOLECULAR LIFE SCIENCES EDUCATION**  
Kaunas, June 26-27th, 2017

**“FEBS EDUCATION COMMITTEE”**

*Prof. Gül Güner-Akdogan  
Chair, FEBS Education Committee*

**FEBS EDUCATION COMMITTEE**

- F MICHELANGELI .....(UK)
- F SAGIN.....(Turkey)
- L DUX.....(Hungary)
- J L SOUCIET.....(France)
- Chaired by G. GUNER (AKDOGAN)( Izmir)
- Co-Opted: K ELLIOTT.....(UK)
- A HERRAEZ.....(Spain)

**Ex-Officio:**


- I PECHT (Israel)
- F MICHELANGELI (UK)
- B VERTESSY (Hungary)



**FEBS Education Committee:  
Mission**

To promote education of the highest quality in Molecular Life Sciences in Europe at **both** the under-graduate and postgraduate levels

Prof. Edward J Wood  
(1941-2008)  
Founding Chair of FEBS Education Committee



**What We Do:**

- We disseminate advice on educational resources
- We encourage the development of innovative teaching methods

**What We Do:**

- We arrange at least one education event at each FEBS Congress
- We arrange other educational events such as workshops on educational issues in FEBS member countries on request...



## EDUCATION COMMITTEE ACTIVITIES





[www.febs-edu.eu](http://www.febs-edu.eu)

### FEBS EDUCATION WORKSHOPS (2008 - )

1. Sofia, Bulgaria, 17-18<sup>th</sup> October, 2008
2. Cluj-Napoca, Romania, September 2009
3. Athens, Greece, 14<sup>th</sup> May, 2010
4. Opatija, Croatia, 18-19<sup>th</sup> September, 2010
5. Tallinn, Estonia, 13<sup>th</sup> May, 2011
6. Bratislava, Slovakia, 12-13<sup>th</sup> September, 2011
7. Ljubljana, Slovenia, 3-4<sup>th</sup> November, 2011
8. Izmir, Turkey, 29-30<sup>th</sup> March, 2012
9. Yerevan, Armenia, 8-9<sup>th</sup> October, 2012
10. Cambridge, UK, 17-18<sup>th</sup> December, 2012 (In Memory of E.J. Wood)
11. Gdansk, Poland, 13<sup>th</sup> July, 2013
12. Tbilisi, Georgia, 8-9<sup>th</sup> October, 2013
13. Sofia, Bulgaria, 22<sup>nd</sup> November, 2013
14. Istanbul, Turkey (Symposium) 24<sup>th</sup> August, 2014
15. Belgrade Serbia, 18-19<sup>th</sup> September, 2014
16. Debrecen, Hungary, 24-25<sup>th</sup> August, 2014
17. Cambridge, UK, 30-31<sup>st</sup> March, 2015
18. Sarajevo, Bosnia and Herzegovina, 3-4<sup>th</sup> September, 2015
19. Oslo, Norway, 18-19<sup>th</sup> September, 2015
20. Athens, Greece, 8-9 October 2015 (In Memory of C. Drinas)
21. Riga, Latvia, Nov 24-25th, 2016



## FEBS




### WORKSHOP: "EDUCATION IN BIOCHEMISTRY"




Sofia,  
16-17 October, 2008



### FEBS Workshop on Biochemistry and Molecular Biology Education: "Trends and Tips" 29-30th March 2012, Izmir, Turkey



### Enhancing Molecular Bioscience Education

- Supervision and mentoring
- Alternative methods for teaching
- Mixed ability teaching
- Engaging with large teaching groups
- Interactive sessions with tablets

30 – 31 March 2015  
Cambridge, UK

[www.biochemistry.org](http://www.biochemistry.org)

Abstract deadline: 26 January 2015  
Early bird registration deadline: 2 March 2015

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### FEBS Workshop on Molecular Life Science Education

#### Inauguration of the Association of Biochemists and Molecular Biologists in Bosnia and Herzegovina

3-4 September 2015 | Sarajevo  
Faculty of Medicine, University of Sarajevo

**Lecturers from FEBS Education Committee**  
Keith Elliott (Manchester, United Kingdom)  
Gül Güner Akdoğan (Chair) (Izmir, Turkey)

**Supported by FEBS Officials**  
Israel Pecht, FEBS General Secretary (Rehovot, Israel)  
Jelka Dumic, FEBS Working Group on Integration (Zagreb, Croatia)

For more information, follow our website at [www.biochemistry.org](http://www.biochemistry.org)

Hosted by the Association of Biochemists and Molecular Biologists in Bosnia and Herzegovina  
(President: Prof. Zilka Fazovic)

Coincidence of Workshop, Prof. Richard J. Ellis, General Secretary of the Association



### Topics Offered to the Constituent Societies of FEBS

- Quality of education.....
- Postgraduate education.....
- Distance or E-learning.....
- Curriculum planning (eg for medical application, biotechnology, pharmaceutical industry, environmental applications).....
- Assessment and feedback.....
- Designing Laboratory practicals.....
- Problem-based learning.....
- Ethics Education.....
- Research in undergraduate education.....
- Scientific and Career Skills for Young Scientists.....
- PhD training: European Standards for Improvement
- Supervision in PhD Training.....
- Key Knowledge and Skills for Molecular Life Scientists.....
- Teaching Molecular Evolution.....
- Others(please,specify)

### COLLABORATION OF ED-COM WITH OTHER BODIES

#### FEBS:

- Working Group on Integration
- Advanced Courses Committee
- Publications Committee
- Working Group on Careers of Young Scientists (YSF)
- Constituent Societies
- IUBMB
- IFCC
- ORPHEUS

### FEBS Education Committee Events During Congresses

#### 2002-Istanbul-28th FEBS Congress (organised by ISBMB)

**Symposium** on "Virtual Learning"  
**Computer-Lab Activity** on "Virtual learning" (Activity of the FEBS Working Group on Teaching Biochemistry)

#### 2004-Warsaw-29th FEBS Congress

**Workshop** on "Problem-Based Learning" (Activity of the FEBS Working Group on Teaching Biochemistry)

#### 2005-Budapest-30th FEBS Congress

**Workshop:** "Laboratory Practicals" (Activity of the FEBS Working Group on Teaching Biochemistry)

#### 2006-Istanbul-31th FEBS Congress

**Workshop** on "New Approaches to Post-graduate Education"

**Workshop** on "How to Write Successful Research Grants"

#### Data-base Searching-Computer Lab

(Activity of the FEBS Working Group on Teaching Biochemistry)

#### 2007-Vienna-32nd FEBS Congress

**Symposium:** "How to go from Biochemistry Research to Commercial Biotechnology"

**CV Clinics**

#### 2008-Athens IUBMB-33th FEBS Congress

**Symposium:** "Post-Graduate Education" (With HSBMB)

**Workshop:** "E-learning"

**CV Clinics**

#### 2009-Prague 34th FEBS Congress

**Workshop:** "Teaching Systems Biology"

**Workshop:** "Bioethics"(Co-funded with IUBMB)

**CV Clinics**

#### 2010-35th Gothenburg FEBS Congress (In collaboration with IUBMB)

**Workshop:** "Research in Undergraduate Education" (Co-funded by IUBMB)

**Workshop:** "Research Oriented Education in High Schools"

**Workshop:** "Practical Systems Biology "(With the SSBMB)

**CV Clinics**

#### 2011-Turin 36th FEBS Congress

**Workshop:** "PhD Training in Europe: Where Are We Heading?"

**Workshop:** "Integrating Molecular Bioscience Education with Medical Training"

**CV Clinics**

#### 2012-Seville-22nd IUBMB-37th FEBS Congress

**Workshop:** "Research into Effective Learning Strategies: What Biochemistry Is Learning from the Other Sciences"

**Workshop:** "Teaching Molecular Evolution: A Unifying Principle of Biochemistry"

**Workshop:** "Science in School: Biodiversity and Evolution "Co-funded with FEBS Science and Society Committee)

**CV Clinics**

**Poster Session** on Biochemistry and Molecular Biology Education

#### 2013-St. Petersburg 38th FEBS Congress

**Workshop:** "Molecular Life Sciences Education for the Needs of the Industry"

**CV Clinics**

**Poster Session** on Education in Molecular Life Sciences

#### 2014-Paris FEBS-EMBO Congress

**Workshop:** "Skills and Key Knowledge for a Molecular Life Scientist"

**Workshop:** "New Educational Technologies"

**CV Clinics**

**Poster Session** on "Education, Training, and Career Planning in Molecular Life Sciences"

#### 2015-Berlin FEBS Congress

**Workshop:** Research in Undergraduate Education and Poster Session



- Collaboration with Lithuanian Society of Biochemistry**
1. WGI Visit to Vilnius and Kaunas in 2014
  2. A Workshop on Education in Kaunas
  3. Participation at the next FEBS Congress?
  4. Participation at the Ambassadors on Education Meetings
  5. Others???

- Collaboration with Belorussian Society of Biochemistry**
1. FEBS WGI Visit to Grodno in 2016
  2. A Workshop on Education....
  3. Participation at the next FEBS Congress 2017?
  4. Participation at the Ambassadors on Education Meetings (Next: Zagreb)
  5. Others???



• **THANK-YOU....**