FEBS Workshop on Biochemistry and Molecular Biology Education

Trends & Tips
Trends in Undergraduate Biomolecular Science Education
&
Tips for Postgraduate Students and Beyond
Izmir - Türkiye, 29-30 March, 2012

http://febseducationworkshopizmir.blogspot.com

FEBS Education Committee: K. Barišić, K. Elliott, A. Herráez, W. Nellen, T. Zima, P. Ott and G. Güner-Akdoğan (Chair)
FEBS General Secretary: I. Pecht With kind support from: F. Goñi, D. Riesner, K. Mattick, J. H. Weil, H. Abacıoğlu, F. Sağın
Workshop Coordinator: F. Sağın (Chair-Educational Activities Committee, Turkish Biochemical Society)
Hosted by: N. Özer (President-Turkish Biochemical Society)

March 29, 2012-Thursday

09:00-09:30 Registration
09:30-10:15 Welcome and Opening remarks
F. Sağın-Worshop Coordinator
G. Güner Akdoğan-Chair, FEBS Education Committee
K. Elliott-FEBS Education Committee
E. Demirtaş President, İzmir Chamber of Commerce
N. Özer-President, Turkish Biochemical Society
10:15-10:30 Coffee break

Session 1 Trends in Undergraduate Basic Science Education - Integration
10:30-11:00 Integration of biomolecular sciences in undergraduate medical curriculum
K. Mattick (UK)
11:00-11:45 Great Ideas and Best Practices (Short presentations)
1) Using Problem-Based-Learning (PBL) for integration: Experience from Hacettepe University School of Medicine
   E. Demirpene (Türkiye)
2) Use of "Dry Laboratory Practicals" for integration of PBL learning objectives into vignettes: a
   Dokuz Eylül University experience
   H. İşlek (Türkiye)
3) Group Work that Works! - Use of team-based learning (TBL) for effective integration of basic
   science concepts into real life cases
   F. Sağın (Türkiye)
11:45-12:00 General Discussion – Q&A
12:00- 13.30 Lunch
Session 2  
**Trends in Undergraduate Basic Science Education - New Educational Technologies**
13:30-14:00 New technologies and making educational use of them  
*A. Herráez (Spain)*
14:00-14:45 Great Ideas and Best Practices (Short presentations)  
1) Medical Faculties Network (MEFANET) aimed to advance learning with the use modern information technology  
*T. Zima (Czech Republic)*  
2) The impact of online education in clinical biochemistry, the foundations and frontiers  
*T. Özben (Türkiye)*  
3) Educational use of molecular dockings in drug designs: a sample study  
*L. Çavaş (Türkiye)*
14:45-15:00 General Discussion – Q&A
15:00-15:15 Coffee Break

Session 3  
**Meet the Expert**
15:30-17:00 Structured round-table discussions with the experts

<table>
<thead>
<tr>
<th>Integration (K. Mattick)</th>
<th>Problem-Based Learning-(PBL) Manchester Experience (K. Elliott)</th>
<th>Problem-Based Learning (PBL)-Dokuz Eylül Experience (G. Güner-Akdoğan)</th>
<th>Team-Based Learning (TBL) (F. Sağın)</th>
<th>Educational Technologies (A. Herráez)</th>
<th>Medical Faculties Network (T. Zima)</th>
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Session 4  
**Posters**
17:00-18:30 Poster Viewing Session
19:00-21:00 Welcome Cocktail (*Kaya İzmir Thermal & Convention, under the auspices of Turkish Biochemical Society*)

**March 30, 2012-Friday**

Session 5  
**Science Communication**
09:00- 09:30 Communication of science: Educating the public  
*W. Nellen (Germany)*
09:30- 10:00 Small group work (Dividing into groups such as communication ethics, science journalism, perception of science, etc)
10:00-10:25 Presentation of group reports & exchange of ideas and general discussion
10:25-10:30 Researchers’ Night 2012; Where Society Meets Scientists (Event Announcement&Short Presentation)  
*B. Çavaş (Türkiye)*
10:30-10:45 Coffee break
10:45-12:15  How to write and publish a scientific article- Editor’s view (Interactive lecture)
  F. Goñi, (Spain)
12:15-13:30  Lunch

Session 6  Professional Development of Young Scientists
13:30-14:00  Essential competencies and skills for the industry
  D. Riesner (Germany)
14:00-14:15  Discussion – Q&A
14:15-14:45  Funds and programmes for young scientists (FEBS Fellowships and Programmes, EMBO Fellowships, Marie Curie, EU Programmes)
  T. Zima (Czech Republic)
14:45-15:00  Discussion – Q&A
15:00-15:30  Preparing your curriculum vitae (CV) - how to make the most of yourself!
  K. Elliott (UK)
15:30-15:45  Discussion - Q&A
15:45-16:00  Coffee break
16:00-16:30  Finding one’s way in the Internet: where to search effectively
  A. Herráez (Spain)
16:30-16:45  Discussion - Q&A
16:45-17:15  Tips on how to give a successful scientific lecture
  H. Abacıoğlu (Türkiye)
17:15-17:30  Discussion - Q&A

Session 7  Meet the Expert (Upon Registration)
17:30-18:30  Simultaneous face to face consultations of young scientists with experts in small groups

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Session 8  Closing
18:30-18:45  FEBS as a charity to promote science in Europe
  I. Pecht (General Secretary of FEBS) (Israel)
18:45-19:00  Closing-Poster Awards (F Sağın, G Güner-Akdoğan, N Özer, I Pecht)
20:30-23:00  Gala Dinner (Hilton Hotel, under the auspices of İzmir Chamber of Commerce, upon registration)