



## FEBS “Biochemistry Education” Workshop

Ljubljana, Slovenia, 3-4 November, 2011

From FEBS Education Committee: K Elliott, J Perret, K Barišić, P Ott and G Güner

Kind Support from: Felix Goni (Chair, FEBS Publications Committee) and  
Michel Claessens, Communication Head, ITER Organization, France

Coordinated by: Blaž Cigić, University of Ljubljana

Hosted by: Marinka Drobnič-Košorok, President, Slovenian Biochemical Society

### Aim and Scope of the Workshop

The aim of this workshop is to promote biochemistry and molecular biology education at undergraduate and post-graduate levels. Special focus will be given to “problem-based learning”, “scientific communication (writing a scientific article)” and “communication of science to ‘non-scientific’ audience”.

### The objectives are:

- **To give a brief introduction on problem-based learning (PBL) and its applications**
- To discuss the main characteristics of PBL as compared with other educational methods
- To demonstrate examples from applications in Manchester and in Izmir - two different ways of approaching PBL (First with a lot of freedom-another, more structured)
- Work on real PBL cases to understand the mechanics of how a PBL session works
- What is facilitation? How is it different from other educational techniques?
- To introduce how a PBL curriculum is designed
- **To present recent developments related to science communication which are particularly (but not exclusively) relevant in Europe**
- Provide an overview of new science communication initiatives and address issues such as: trends in science journalism, technology and communication, public perception of science
- Discuss how to communicate science with non-scientific audience
- Analyse specific case studies
- Share experiences and good practices in this area and design strategies to reach non scientific audiences
- **To discuss “how to write a scientific article”**

### Who Should Attend?

Faculty, post-docs and PhD students from biochemistry, molecular biology, medicine, pharmacy, science education, and all disciplines of basic sciences are invited to attend.

**Who are the Workshop Trainers?** Members of FEBS Education Committee, who have participated in several FEBS Workshops conducted in many European countries since 2005, and world experts from related areas.



**Venue: Boardroom of Biotechnical Faculty, Jamnikarjeva 101, Ljubljana**

**Programme:**

**Thursday, November 3<sup>rd</sup>, 2011:**

09:00 -09:30 Registration

09:30-10:00 Opening

**Session 1: (10:00-11:00) "Biochemistry and Molecular Biology Education in Slovenia"**

10:00-10:40 "Biochemistry and Molecular Biology Education in Slovenia" A Plemenitaš, M Dolinar

10:40-11:00 Coffee

**Session 2: (11:00-17:30) "Problem-Based Learning" (K Elliott, G Guner, P Ott, J Perret, K Barišić)**

11:00-12.30 Talks on Manchester and Izmir PBL experiences (K Elliott - G Guner)

12.30- 13.30 Lunch

13.30-13.45 Introduction to Small Groups - Dividing into groups

13:45-14.45 First PBL session (Possibly with coffee at tables)

14.45-15:00 Change groups

15:00-16:00 Second PBL session

16:00-16.30 Coffee break

16:30-17:00 Designing the curriculum/Facilitation (K Elliott)

17:00-17.30 General discussion on PBL

**Friday, November 4<sup>th</sup>, 2011:**

**Session 3 (09:00-12:30): "Communication of Science to Non-scientific Audiences" (M Claesson)**

09:00- 09:45 Recent trends in science communication

09:45- 10:15 Case study: building a communication strategy for ITER

10:15- 10:40 Group discussion and exchanges

10:40-11:00 Dividing into Groups and coffee break

11:00-12:00 Small groups work on Communicating biochemistry and molecular biology

12:00-12:30 Group Discussion and Conclusions

**12:30-13:30 Lunch**

**Session 4 (13.30-15.30) : "Writing a Scientific Article" (F Goni)**

15:30-16.30 Closing with Coffee

**For More Information:**

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