



Educational Activities of the Turkish Biochemical Society (TBS)

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FEBS Ambassadors-on-Education Meeting
Prague, April 8-9th, 2016

Plan of Talk

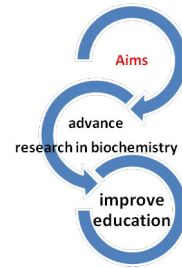
- ✓ Introduction-TBS
- ✓ Overview of educational activities of TBS
- ✓ Educational events (WS's and Symposia) organised
- ✓ Educational sessions during the Annual Congresses
- ✓ Conclusions

Introduction-TBS

Turkish Biochemical Society
Celebrating Its 41st Years

Doctrine of Continuous Support for Young Scientists in Basic and Applied Biochemistry

- founded in 1975 at Ankara
- more than two thousands (2000) members
- Turkish Journal of Biochemistry (TJB) is published by TBS since 1976 on a quarterly basis
- official branches at Istanbul, Izmir and Adana



Overview of educational activities of TBS

- National congresses
- Hosting international conferences or meetings
- Wide-ranging programme of smaller thematic symposiums & courses on basic and applied biochemistry
- Undergraduate and postgraduate educational meetings
- Supports for young biochemists

Educational events (WS's and Symposia) organised

	Date	City
Workshop on Biochemical Education in Turkey, IUB*	1988	Ankara
Modern Biochemical Science and Biochemical Education, IUBMB and TBD Workshop**	1991	İzmir
The Biochemistry Education Problems and Solutions Symposium at the Threshold of the New Millennium IUBMB and TBD, METU	1998	Ankara
The Biochemistry Education Symposium of 2000s –II- Problems and Solutions, TBD Izmir Branch	2001	İzmir
6th ORPHEUS Conference on PhD Quality Indicators for Biomedicine and Health Sciences	2011	İzmir
FEBS Workshop on Biochemistry and Molecular Biology Education	2012	İzmir
Workshop on Multidisciplinary Approach to Biochemistry Laboratory Education	2012	Ankara
New Perspectives in Molecular Life Sciences Education	2012	İstanbul

*Biochemical education in Turkey: Report on a biochemical education workshop held in Gülhane Medical University, Ankara, 30 May–1 June, 1988 by F Vella. Volume 17, Issue 1, pages 23–25, January 1989

**Modern biochemical science and biochemical education: Report on an IUBMB workshop held in İzmir, Türkiye, 11–14 August 1991. Volume 20, Issue 2, pages 78–82, April 1992.

Topics that were discussed during the workshops are represented in table with letters (from 'a' to 's'), marked with (+)

Workshop	Year	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	r	s	§
Workshop on Biochemical Education in Turkey, IUB*	1988	+	+	+	+	+	+	+	+	+										
Modern Biochemical Science and Biochemical Education, IUBMB and TBD Workshop	1991			+	+	+	+	+	+	+	+	+	+	+	+					
The Biochemistry Education Problems and Solutions Symposium at the Threshold of the New Millennium IUBMB and TBD, METU	1998			+	+	+	+	+	+	+					+					

- a. medical faculty education subjects not included
- b. not able to demonstrate the experiments of the related field
- c. the lack of basic knowledge of chemistry
- d. technological inadequacies, course books, video screens, slide projectors, lack of computers and library resources
- e. lack of resources of mother language
- f. improper exam questions
- g. not active student participation, failure to highlight the creativity of the student
- h. students mainly focus on only to graduation

- i. students prejudgement to the class as it is difficult
- j. number of students/employees ratio is high
The number of the teaching staff to carry out the application is low, lack of administrative staff
- k. how lab experience will work in my career, hesitation, biochemistry practicals
- l. unsatisfying cooperation with foreign countries
- m. short budget for the laboratory training throughout the country
- n. insufficient scientific research funds and inadequate approach

Topics that were discussed during the workshops are represented in table with letters (from 'a' to 'Ş'), marked with (+)

Workshop	Year	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	r	S	Ş
The Biochemistry Education Symposium of 2000s-II- Problems and Solutions, TBD Izmir Branch	2001							+				+				+				+
6th ORPHEUS Conference on PhD Quality Indicators for Biomedicine and Health Sciences	2011															+		+	+	+
FEBS Workshop on Biochemistry and Molecular Biology Education	2012	+	+					+			+	+				+	+	+	+	+
Workshop on Multidisciplinary Approach to Biochemistry Laboratory Education	2012		+	+		+		+	+	+	+	+	±		+	±				
New Perspectives in Molecular Life Sciences Education	2012							+							+	+	+	+	+	+

- n. insufficient scientific research funds and inadequate approach
- o. failure to achieve harmonization between the basic and clinical sciences, undergraduate and post-graduate biochemistry education
- p. emphasis the importance of access to Internet resources
- r. not to be aware of the supports to application process for the projects,
- s. reduced value of the importance given to science and research in society
- Ş. focusing from basic science research to applied research under the guidance of industry, innovations in education practices in Turkey

Sessions on Education at Annual Congresses of the Society (2010)

The Launch Story of A Biochemistry Blog – Answers To Why, Tips For How...

Ferhan Girgin Sağın

Department of Medical Biochemistry, Faculty of Medicine, Ege University, İzmir

Biochemistry Education Panel

Medical Specialization and Ph.D. Programs in The Harmonization for European Union

İzzet Hamdi Öğüş

Department of Medical Biochemistry, Faculty of Medicine, Hacettepe University, İzmir

Overview of PhD Education in the European System

Gül Güner Akdoğan

School of Medicine, Dokuz Eylül University, İzmir

Sessions on Education at Annual Congresses of the Society (2011)

Panel Discussion Quality in Scientific Articles

Manuscript Preparation, Statistical Analysis, Reviewing Process, Ethical Concepts

Yahya Laleli, Turkish Journal of Biochemistry Chief Editor
Düzen Laboratories, Ankara

Authors & Referees

A. Kevser Özden-Pişkin
Hacettepe University, Faculty of Medicine,
Department of Biochemistry, Ankara

Author's Guide of the Turkish Journal of Biochemistry

N. Leyla Açıkan, Turkish Journal of Biochemistry Associate Editor
Hacettepe University, Faculty of Medicine,
Department of Biochemistry, Ankara

Ethical Problems Encountered in Scientific Publications

Kadir Okhan Akın
Medical Biochemistry Lab. Keçiören Training
and Res. Hospital, Ankara

The Role of Statistics on the Quality of Scientific Research and Some Common Pitfalls and Errors

Ergun Karaağaoğlu
Department of Biostatistics, Faculty of
Medicine, Hacettepe University, Ankara

On The Peer Review Process in Scientific Publications

Doğan Yücel
Dept. of Medical Biochemistry, Ankara
Training and Research Hospital, Ministry of
Health, Ankara

Sessions on Education at Annual Congresses of the Society (2011)

Interactive Education Session

A New Era in Education: WEB Applications

Ferhan Girgin Sağın
Department of Medical Biochemistry, Faculty of Medicine, Ege University, İzmir

How Can One Make The Most Benefit From FEBS at The Pre-And Post-Doctoral Levels? (Membership to Committees, Advanced Courses, Travel and Fellowship Awards)

Gül Güner Akdoğan
Chair, FEBS Education Committee
Department of Medical Biochemistry, Dokuz Eylül University,
Faculty of Medicine, İzmir

Sessions on Education at Annual Congresses of the Society (2012)

Panel : Multidisciplinary Approach to Biochemical Laboratory Education

Figen Erkoç, Ferhan Girgin Sağın, Levent Kayrın

Discussion of The Final Document and Resolutions of The Workshop on Multidisciplinary Approach to Biochemistry Laboratory Education

Aylin Sepici Dinçel
Department of Medical Biochemistry, Faculty of Medicine, Gazi University, Ankara

Previously Held Workshops, Symposiums and Concluding Declarations in Our Country Regarding Biochemistry Education

Yeşim Özkan
Department of Biochemistry, Faculty of Pharmacy, Gazi University, Ankara

Biochemistry Education and Laboratory Practices for Technical Staff and Technicians, Views of Private Sector

Meral YÜKSEL
Department of Medical Laboratory Techniques,, Vocational School of Health Related Services, Marmara University, İstanbul

Good Laboratory Education Practices from World, Proficiency in Bologna Process and Quality in Education

Goncagül Haklar
Department of Medical Biochemistry, Faculty of Medicine, Marmara University, İstanbul

Discussion: What can we do in our country?

Sessions on Education at Annual Congresses of the Society (2012)

Panel: Writing a Scientific Article

Yahya Laleli, Leyla Açıkan, Kevser Pişkin, Ergun Karaağaoğlu, Doğan Yücel

WRITING A SCIENTIFIC ARTICLE – GENERAL EXPECTATIONS AS AN EDITOR
HOW SHALL BE THE FORMAT OF A RESEARCH ARTICLE?

Sessions on Education Annual Congresses of the Society (2012)

Panel : How Can Be The Clinicial Biochemists Education?

Laboratory from past to present and the role of biochemists
idris Mehmetoğlu

How the clinical biochemists will be creative and scientific and what should be the improvements for the education in the future? Responsibilities and self-criticisms; what is reasonable or logical?

Mustafa Gültepe
GATA Haydarpasa Training Hospital, Department of Medical Biochemistry, Istanbul

Information on the European syllabus for European clinical chemist-2012
Eser Yıldırım Sözmen
Department of Medical Biochemistry, Faculty of Medicine, Dokuz Eylül University, İzmir

Sessions on Education at Annual Congresses of the Society (2014)

Symposium Abstracts – IFCC WorldLab Istanbul 2014 – Istanbul, 22-26 June 2014 • D
Clin Chem Lab Med 2014; 52, Special Suppl. pp S1 – S1760, June 2014 • Copyright ©

**ORPHEUS Symposium PHD training in clinical chemistry, clinical biochemistry
we heading?**

AACC'S COMACC PROGRAM: POST GRADUATE EDUCATION IN LABORTORY MEDI

RECENT TRENDS IN PHD TRAINING- A GLOBAL VIEW

G. Güner Akdogan¹

PHD TRAINING IN LABORATORY MEDICINE – CONNECTION TO MEDICAL SPECIAL

T. Zima¹

1. Training of Clinical Biochemists in the Laboratory Medicine – Connection to Medical Special

Sessions on Education Annual Congresses of the Society (2015)

Writing a project (1.5 day Practical course)

Ferhan Girgin Sađın

Department of Medical Biochemistry, Faculty of Medicine, Ege University, İzmir

What Does FEBS Offer to Young Scientists

Gül Akdođan Güner

Chair, FEBS Education Committee,

Department of Medical Biochemistry, School of Medicine, Dokuz Eylül University, İzmir

Panel Discussion : Innovative Training for Biochemistry Laboratory Education

Meral Yüksel

Medical Laboratory Techniques Programme,

Vocational School of Health Related Services, Marmara University, İstanbul

Aylin Sepici Dinçel

Department of Medical Biochemistry, Faculty of Medicine, Gazi University, Ankara

Yeşim Özkan

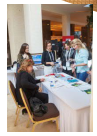
Department of Biochemistry,, Faculty of Pharmacy, Gazi University, Ankara

Levent Kayrın

Department of Medical Biochemistry, Faculty of Medicine, Çukurova University, Adana

Conclusions

Along with developments in every field in recent decades, need for re-evaluating the systems and reconstructing educational tools has arisen in the field of higher education; and educational reforms were inevitable.



Thank you very much

FEBS Education Committee
and
Charles University

Prag, 2016