

EGE Vth BIENNIAL INTERNATIONAL NEUROSCIENCE GRADUATE SUMMER SCHOOL (V. EGE BINGSS)

LECTURES

Basic anatomy and development of the spinal cord and brain
Basic morphology and biology of neurons and glial cells
The biology of astroglial neuronal interactions
Neurotrophins Featuring in Neuro-Glial Interactions
Development of the peripheral nervous system: Schwann cell development and biology and its role in regeneration
Role of astrocytes in peripheral nerve injury induced synaptic plasticity in the developing brain
Glial progenitor biology and response after injury
Oligodendrocyte progenitor cells and injury
Axon-Schwann cell interaction in peripheral neuropathies
Exogenous transcription factors as survival promoting factors for damaged adult neurons
Secondary injury processes
Molecular mechanisms underlying secondary damage after spinal cord injury
Microglia cells protect neurons by engulfment of invading neutrophil granulocytes: a new mechanism of CNS immune privilege
Novel combinatorial strategies to repair the injured spinal cord
Spinal cord restoration: Clinical trials
Neuro-glial interactions in psychiatric diseases
Neuroimaging & DTI
Neuroethics

An Update on Lab Animal Ethics
Survival Skills for Neuroscientists

HANDS-ON LABORATORY COURSES SPECIAL INTEREST GROUPS & ROUNDTABLE SESSIONS

The traditional **EGE-BINGSS's** vision is to advance the knowledge, technical skills and professional attitudes of neuroscientists in Turkey, Balkans, Eastern Europe & Mediterranean, Middle East, the Turkic States, Black Sea Region and all other participating countries.

EGE-BINGSS aims to introduce eminent, devoted and role-model international neuroscientists and teaching faculty to graduate (and a small minority of selected undergraduate) students for transfer of knowledge and know-how. It also creates opportunities for networking and encouragement of new international, inter-institutional, multidisciplinary and multi-professional collaborations for research, education and translational community outreach.

EGE-BINGSS's major target is junior neuroscientists; it optimally enrolls 50-60 graduate participants and occasionally admits several highly qualifying competent undergraduate students.

EGE-BINGSS addresses its purpose by holding 4-6 day comprehensive theoretical and practical sessions in lively, interactive and stimulating learning environments where thematic fundamentals, state of the art methodology, very recent data, neuro-professional skills, neurophilosophy and neuroethics are covered.

Social events related to culture-hunting and historical site-seeing constitute an important part of the educational experience.

Ege University Faculty of Medicine,
Izmir, Turkey
June 29 - July 4, 2009

SECOND ANNOUNCEMENT Neuro-Glial Interactions from Womb to Tomb in Health & Disease

**Young Turkish Participant /
Student Support will be
provided by TÜBİTAK
Deadline for Applications
(Registration Info + Full Fee
Payment): April 28, 2009**

FACULTY

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Vedat Evren, MD, TUR

Hosted by:

Ege University Faculty of Medicine, Dept. of Physiology

Organizers:

Neuroscience Society of Turkey (NST-TÜBAS)
Ege University Faculty of Medicine, Dept. of Physiology
IAC-USNCT / IBRO
Turkey Chapter of SfN (Society for Neuroscience)

Sponsors / Supporters:

Ege University Faculty of Medicine
Ege University Rectorate
IAC-USNCT / IBRO
Scientific and Technical Research Council of Turkey (TUBITAK)
Dept. Of Anatomy and Neurobiology, University of Maryland School of Medicine, Baltimore, MD, USA
Ege University Science and Technology Center (EBILTEM)
Local Government of Izmir (Governor and Mayor)
Foundation for Development of the Aegean Region (EGEV-TR)
International Faculty of EGE-BINGSS

Directors:

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Coordinators:

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Kenneth Moya, PhD

VENUE

Ege University, Faculty of Medicine,
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Department of Physiology and Basic
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ACCOMMODATION

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