

IV. EGE BIENNIAL INTERNATIONAL NEUROSCIENCE GRADUATE SUMMER SCHOOL

(IV. EGE BINGSS)

25-29 June 2007

“DEVELOPMENTAL, DEGENERATIVE AND RESTORATIVE NEURAL PLASTICITY 4”

WITH SPECIAL FOCUS ON

“PROGRESS IN RESEARCH ON & IMPLEMENTATIONS WITH NEURAL
& MESENCHYMAL STEM CELLS: ADVANCEMENTS FROM DISH TO BEDSIDE”

&

“UNVEILING THE HUMAN CNS NEURAL NETWORKS”

&

“DESIGN-BASED NEURO-STEREOLOGY”

Hosted by:

Ege University Faculty of Medicine and Centre for Brain Research, Dept. of Physiology & Faculty of Science, Dept. of Biotechnology Izmir, Turkey

Faculty / Lecture / Practical

Jose R ALONSO: DATA LECTURE: Preneurodegeneration and plastic responses after neurodegenerative processes in the brain
NEUROMETHODS & NEUROHISTORY LECTURE: Golgi methods

Michael SHIPLEY: DATA & BASIC FACTS LECTURE: From molecules to networks: Neurobiology of olfactory bulb glomeruli

Taner DAĞCI: DATA LECTURE: Spinal Cord Injury Restoration by Neural Stem Cells,
NEUROMETHODS LECTURE: Isolation & Development of Neural Stem Cells,

Reha ERZURUMLU: NEUROMETHODS LECTURE: Modern anatomical techniques

S. İsmet DELİLOĞLU GURHAN: BASIC FACTS LECTURE: Bone marrow stromal cells and differentiation into osteoblasts
LAB DEMO & HANDS-ON PRACTICAL: Isolation of rat bone marrow stromal cells

David KAPLAN: DATA & BASIC FACTS LECTURE 1: Neurotrophins and neuronal survival and growth,
DATA & BASIC FACTS LECTURE 2: Cancer stem cells in the nervous system

Freda MILLER: DATA & BASIC FACTS LECTURE 1: The p53 family and neuronal life versus death,
DATA & BASIC FACTS LECTURE 2: Neural stem cells: Novel signals and sources

Ken MOYA: DATA & BASIC FACTS LECTURE: Axonal transport in the normal brain and in neurodegenerative diseases,
DATA LECTURE: Presynaptic amyloid precursor protein and synaptic function in Alzheimer's disease,
INTERACTIVE WORKSHOP: Critical review of a scientific paper

Robert T. RUBIN: NEUROMETHODS LECTURE 1: Beyond statistics,
NEUROETHICS / PROFESSIONAL SKILLS INTERACTIVE LECTURE 2: Whose bread I eat, his song I sing: Ethical conflict resolution in
bioscience

Christoph SCHMITZ: DATA & BASIC FACTS LECTURE: Neuronal loss in aging and Alzheimer's Disease: Principals and mechanisms,
WORKSHOP: Design-based stereology in neuroscience

Harry STEINBUSCH: DATA LECTURE: Nitric Oxide mediated cGMP-Positive structures in the rat brain

Kemal TÜRKER: NEUROMETHODS AND DATA LECTURE : Methods for determining the synaptic connection between neurons in the human
nervous system,

LAB DEMO & PRACTICAL: Motor unit experiments in search for synaptic connections between neurons (Flawless method of single unit
peristimulus frequencygram)

Carlos VICARIO: DATA LECTURE: Differentiation of glutamatergic, GABAergic and Dopaminergic neurons from cultured and transplanted neural
stem/progenitor cells

NEUROMETHODS LECTURE: The use of transplantation-based cell therapy approaches for Parkinson's disease

Sponsors / Organisers

NEUROSCIENCE SOCIETY OF TURKEY (TÜBAS)

Ege University Centre for Brain Research (EÜBAM)

Louisiana State University Health Sciences Center (LSUHSC)

Turkey Chapter of the Society for Neuroscience (SfN-Turkey)

Ege University Faculty of Medicine, Research and Education Laboratories (AREL)

Supporters

Scientific and Technical Research Council of Turkey (TUBITAK)

Ege University Science and Technology Center (EBILTEM)

MICROBRIGHTFIELD – Gantenbein

Directors

Gönül Ö. Peker, PhD & Reha Erzurumlu, PhD

Venue

Ege University Faculty of Medicine, Muhittin Erel Hall, Ege University Center for Brain Research Labs, and EBILTEM Labs, Izmir, Turkey

Language:

English

Application & Information

taner.dagci@ege.edu.tr

vedat.evren@ege.edu.tr