

**IV. EGE BIENNIAL INTERNATIONAL NEUROSCIENCE  
GRADUATE SUMMER SCHOOL  
(IV. EGE BINGSS)**

***“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; 25-29 June 2007**

**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 (TÜBİTAK)**

**Ege University Science and Technology Center (EBİLTEM)**

**MICROBRIGHTFIELD – Gantenbein**

***Directors***

***Professor Gönül Ö. Peker, PhD & Professor Reha Erzurumlu, PhD***

### *Description & Aim of EGE BINGSS*

*The traditional (4th in June 2007) EIBNGSS's vision is to advance the knowledge, technical skills and professional attitudes of neuroscientists in Turkey, Balkans, Eastern Europe and Mediterranean, Middle East, Black Sea Region, the Turcic States, and from all over the world on a non-profit basis.*

- EGE BINGSS aims to introduce eminent, devoted and role-model international neuroscientists and teaching faculty to students for transfer of knowledge and know-how. It also creates opportunities for networking and encouragement of new international, inter-institutional, multidisciplinary and multiprofessional collaborations for research, education and translational community reachout.
- 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.

*Scientific Advisory Committee of the EGE-PENS BINGSS:* Prof. Geoffrey Raisman (UK), Prof. Sakire Pöğün (TR), Prof. Ranney Mize (USA), Prof. Mike Kuhar (USA), Prof. Sigismund Huck (AU), Prof. Robert T. Rubin (USA), Prof. Helmut Kettenmann (DE), Prof. Susan Sara (FR), Prof. Resit Canbeyli (TR), Prof. Bruce McEwen (USA), Prof. Colin Blakemore (UK), Prof. Turker Sahiner (TR), Prof. Jose Ramon Alonso (ES), Prof. Harry W.M. Steinbusch (NL), Dr. Christoph Schmitz (NL), Prof. Nese Tuncel (TR), Prof. Jose Alonso (ES), Assoc.Prof. Ersin O. Koylu (TR), Prof. Canan Saylam (TR)

*Organising Committee of the IVth EIBGNSS:* The faculty, graduate students and the staff of the Physiology Department of the Ege University Faculty of Medicine, the Executive Committees of the Neuroscience Society of Turkey and the Turkey Chapter of the Society for Neuroscience, membership of the Neuroscience Branch of the Students Scientific Research Club of the Ege University Faculty of Medicine (EBAT-SB)

### *Faculty of the IVth EGE EIBGNSS :*

The school usually hosts 8-10 international faculty from Europe, Canada and the United States, 2-4 Turkish faculty from outside Izmir and 2-4 hosting faculty and instructing post-docs and graduate students from Izmir.

### *Learning Issues & Performance Objectives of the IVth EGE BINGSS*

- Reinforce / advance the participants' basic knowledge of essential mechanisms relevant to plasticity underlying neurodevelopment, neurodegeneration and neurorepair with state of the art research data;
- Teach participants the basics, myths, restraints and the potential future capacities of "Neural & Mesenchymal Stem Cell" utilisation for neurorepair, and cell / tissue engineering in the nervous system;
- Introduce the essentials of stereology and emphasize its application in neurosciences focusing on neo-neurogenesis and plasticity through theoretical sessions and hands-on practicals;
- Introduce the essentials of single unit peristimulus frequencygram targeting flawless determination of synaptic pathways;
- Advance the participants' level of understanding and technical command on the current research findings and the clinical outcomes of the neural stem cells (building on the knowledge, skills and attitudes acquired at the previous (IIIrd) EGE BINGSS (2004));
- Expose participants to - and enable them - to acquire and to advance their dissection, derivation and preparation skills in embryonic rat brain and adult rat bone marrow for neuronal and mesenchymal stem cell culture methodologies (including cell identification); and also, some ethical, behavioural and technical survival and self development skills fundamental to (neuro-)scientific and academic life styles.

**Venue:** Ege University Faculty of Medicine, Muhittin Erel Hall, Ege University Center for Brain Research Labs, and EBILTEM Labs, Izmir, Turkey  
**Language:** English

**Weather:** 30-36 C, humid, very sunny. Bring very light casual clothes, sunglasses, hat, swimming suit, tennis racket, camera and sunscreen products.

**Accommodation**

Hotel Anemone Ege Saglik(\*\*\*\*) is very conveniently located at 5 min walking distance from the venue. Facilities include Indoor and Outdoor Cafeterias, Outdoor Swimming Pool, Turkish Bath, Gym, Sauna, Tennis Courts, and Parking. Rates include tax and breakfast and are 60E and 75E for AC and cable TV equipped single and double rooms, respectively. Only reservations for the invited faculty are arranged by the organisers.

Tel: +90 232 3734862 & 3734934

Fax: +90 232 3734863

E-mail: [ayse.kaya@anemonege.com](mailto:ayse.kaya@anemonege.com)

Ege University Campus Guest House(\*\*\*) is located at 5-10 min drive from the venue. A courtesy shuttle will run to/from the venue every morning and evening. Single, double and quadruple room (with bathroom, TV, telephone and AC) rates include tax and continental breakfast, and range between 20-40 E. Participants are requested to arrange their own reservations.

Telefax: +90 232 3881447 & 3399993

E-mail:

**Logistics:** The venue and the major accommodations are only 25 km from the Izmir A. Menderes International Airport. Faculty will be met there and picked for transfers. Ground transportation by Havas busses and cabs is very convenient. The organisers may arrange collective courtesy transfers to/from the airport also for the participants if arrivals and departures coincide and yield to reasonable groups.

**Registration:** Undergraduate and Graduate Students and Residents:

Post-docs, Specialists, Fellows, Faculty:

Fee includes access to all sessions, video workshops, wet hands-on practicals, certificate, teaching material, bags / folders, 8-10 coffee-tea, 4-5 lunches, Opening Cocktail Prolongé, admission to the Izmir Archeological Museum and the Turkish Barbeque Dinner.

**Strict Deadlines:** Poster Abstract Submissions: 4 June 2007, Monday, 04:00 p.m.; Registrations with full payment: 10 June 2007, Sunday, midnight

E-banking (swift) is possible @ Garanti Bankasi, Bornova (Ege Tip: 31) Branch, Account No: 6670677 (TL) or 6490747 (USD / E), Izmir

**IMPORTANT:** Students' status should definitely be assured by written and undersigned documents from their advisors / mentors.

A-priori Registration Fee Payment is a very strict mandatory prerequisite for poster abstract submissions.

**ALL APPLICATIONS & INFORMATION:**

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