



«Gazi-EgeBINGSS»

**NEUROSCIENCE GRADUATE SUMMER WORKSHOP and
PRACTICAL TRAINING
with INTERNATIONAL PARTICIPATION (IPNGS-W&PT)**

NEUROINFLAMMATION:

a sneaky FOE or a reliable FRIEND ?

**Gazi University Faculty of Medicine,
Ankara / Turkey
June 25 – June 29, 2018**





Dear Young and Promising, and Enthusiastically Wondering Future Neuroscientists,

Dear EgeBINGSS Co-Founders, Long Time Role Models, Passionate Mentors, Eminent International Educators, and Loyal All Time Friends of EgeBINGSS.

Dear New Coming Distinguished Turkish and International Neuroscientists, Mentors, and Devoted Educators of Gazi-EgeBINGSS.

Dear Pride and Honor Resources of Ege-BINGSS Alumni and Impatient Ege BINGSS Reunion Watchers,

On behalf of the visible (since 1999) and emerging family, cast, and staff of the **"NEUROSCIENCE GRADUATE SUMMER WORKSHOP AND PRACTICAL TRAINING"** (as also titled at the present time), we are very pleased and proud to share the eagerly awaited news of the summer school 2018 and introduce our website to you.

As you may recall from the Vision and Mission and the entire courses of the previous (since 1999) nationally and internationally recognized EgeBINGSS, our main goal is to attract, discover, hook, convince, challenge, enlighten and encourage **new future neuroscientists** from almost all **graduate (bio-medicine and health sciences, psychology, life sciences, engineering and even law and philosophy backgrounds)** and even **some senior classes of similar undergraduate programs** to hopefully **develope to become the new members of dynamic and breaking rejuvenating neuroscientists of Turkey and the World.**



We are very excited to welcome our **co-founder Prof. Reha Erzurumlu** (MA, MSc, PhD, University of Maryland, USA) and also greet our **senior co-founder Prof. Gönül Ö. Peker's (PT, MSc, PhD, MA) retirement with this memorable tribute at the Gazi-EgeBINGSS**. Both of these gifted "teachers" and "coordinators" have had inspired and encouraged hundreds of the EgeBINGSS Alumni by training them, and mediating their networking with world class neuroscientists, peer international alumni, and even opened their way to international academic degrees, valuable overseas lab experiences and visions, remarkable co-authored publications, and sustainable, progressive collaborations in research and education.

We will do our best to capture the unforgettable spirit of EgeBINGSS and have a great week benefiting from the basic and state of the art knowledge, know how, and wisdom harmonized with joy and colorful memories.

Please help us meet the ultimate aim of an old tradition for spinning new sprouts, and establishing new friendships as well as educational / professional bonds and networking.

If you want to be amazed, and co-witness the exciting coherence, interference, interaction, and the "complex cause and effect affairs" of NEUROSCIENCE and IMMUNOLOGY, please join us to recognize, learn - and who knows - maybe collaborate with the lecturing eminent senior scientists and clinicians in pursuing the avenues for resolving the complex interactions of these two fundamental but constantly evolving homeostatic systems.

We very sincerely look forward to welcoming you all to the Gazi-EgeBINGSS in end June 2018.

Arzu L.Aral & Meltem Bahçelioğlu

Coordinators

Gazi-EgeBINGSS June 25-29, 2018

LECTURES

INTRODUCTION TO NEUROINFLAMMATION

Modulation of Inflammation by Danger and Pathogen Associated Agonists
Innate immunity in neuroinflammation
Blood Brain Barrier and inflammation
Neuroinflammatory pathways in pain
Membrane plasticity in neuroinflammation
Neuroinflammation in Psychiatry: Is it Important?

NEUROINFLAMMATION IN HEALTH AND DISEASE

Aging and brain
Role of inflammation in amyotrophic lateral sclerosis
Inflammation in CNS injury
Demyelinating Diseases and Neuroinflammation
Neuroinflammation and Cerebral Palsy
Defective DNA damage response cause autoinflammation in Ataxia Telangiectasia

CELLS IN NEUROIMMUNOLOGY

ASTROCYTE: Immunological aspects of the blood brain barrier
NEURONS: NMDA receptor mediated neuronal damage
MICROGLIA: Microglia and Macrophage Responses in Neuroinflammation

TRENDS IN NEUROIMMUNOLOGY

IL-33 as a therapeutic target in Alzheimer Disease
Artificial intelligence applications and immunoinformatics

SPECIAL LECTURES

All of Life (Especially Neuroscience) is a Bayesian Experience
Neuroinflammation in Psychiatry: Is it Important?
Importance of networking and collaborations, and being involved in the neuroscience community

NEUROSCIENCE OF CREATIVE THINKING

PANEL DISCUSSIONS

Trends In Neuroscience/Neurosurgery
Neuroethics



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WETLABS /SPECIAL INTEREST GROUPS

WETLABS

Short course: Neuromorphology

Short course: Autoantibodies in Neuronal Disorders and
Demonstration to IFA

Glial Cell Culture

*Basic protocols of mouse astrocyte, microglia and macrophage
primary cultures*

Basic Concepts of Electrophysiology

SPECIAL INTEREST GROUPS

Animal Models of Demyelination

How to Make an Effective Presentation

How to Write a Scientific Manuscript



Gazi-EgeBINGSS June 25-29, 2018

TEAM

COORDINATORS

Meltem Bahçelioğlu*, MD., Gazi University, Ankara, TURKEY

Gülgün Şengül, MD., Ege University, İzmir, TURKEY

Emel Ulupınar, MD., PhD., Osmangazi University, Eskişehir, TURKEY

Arzu L. Aral*, MD., PhD., Gazi University, Ankara Turkey

SCIENTIFIC COMMITTEE

Reha Erzurumlu, MA., MSc., PhD.

Hayrunnisa Bolay Belen, MD., PhD.

Lamia Pınar, PT., PhD.

Gülgün Şengül, MD.

Meltem Bahçelioğlu, MD.

Gönül Ö. Peker, PT., MsC., PhD., MA. (*Guest of Honor*)

Vedat Evren, MD. PhD.

Vedat Bulut, MD., PhD.

Tuncay Peker, MD.

Emel Ulupınar, MD., PhD.

Arzu L. Aral, MD., PhD.



Gazi-EgeBINGSS June 25-29, 2018

SPEAKERS

Reha Erzurumlu, University of Maryland, USA

Michelle Adams, Bilkent University, Turkey

Hayrunnisa Bolay Belen, Gazi University, Turkey

Vedat Bulut, Gazi University, Turkey

Rana Karabudak, Hacettepe University, Turkey

Eddy Foo Yew Liew, University of Glasgow, UK

Ruben Lopez Vales, CIBERNED, ES

A. Başak Engin, Gazi University, Turkey

Alp Ö. Börcek, Gazi University, Turkey

Pınar Çeltikçi, Turkey

Meltem Bahcelioglu, Gazi University, Turkey

M. Ali Ergun, Gazi University, Turkey

Samuel David, McGill University, Canada

Robert T. Rubin, UCLA, USA

Kıvılcım Gücüyener, Gazi University, Turkey

Dicle Güç, MD., Hacettepe University, Turkey

İhsan Gürsel, Bilkent University, Turkey

Mayda Gürsel, METU, Turkey

Ferhan Sağın, Ege University, Turkey

Gürkan Öztürk, Medipol University, Turkey

Güneş Esendağlı, Hacettepe University, Turkey

Vedat Evren, Ege University, Turkey

Emrah Çeltikçi, Turkey

Arzu L. Aral, Gazi University, Turkey

Gönül Ö. Peker, Turkey



Gazi-EgeBINGSS June 25-29, 2018

Gazi-EgeBINGSS 2018 was financially supported by,

✓ TÜBİTAK

✓ Society for Neuroscience Chapter Grant

**✓ International Brain Research Organisation-Pan-European
Regional Committee (IBRO-PERC) Workshops, Conferences
and Meetings Support 2018.**



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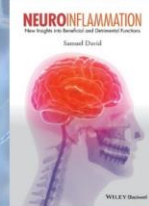
Prof. Dr. Ronald O. Perrier

«NEUROETHICS»

...JOIN US!

We look forward to welcoming you all to the Gazi EgeBINGSS

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If you don't want to miss the chance to meet Prof. Samuel David, the editor of the «Neuroinflammation» and listen its effects in CNS injury from him

...JOIN US!

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«Neuroinflammation in Psychiatry: Is it Important?»

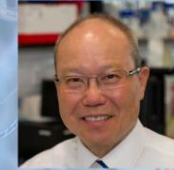
Prof. Dr. Robert T. Rubin



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Prof. Eddy Foo Yew Liew



Prof. Vedat Güllü

Don't you want to be amazed with the new TRENDS in NEUROIMMUNOLOGY?

...JOIN US!

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COORDINATORS

Prof. Dr. Meltem Bahçeloğlu
Prof. Dr. Gülşün Şengül
Prof. Dr. Emel Ulupınar
Doç. Dr. Arzu L. Aral

...JOIN US!

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«Blood Brain Barrier and Inflammation»
Prof. Dr. Meltem Bahçeloğlu



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Prof. Dr. Birol Güngör Prof. Dr. İhsan Günel Prof. Dr. Merve Günel

Don't you want to learn the «mysteries» of immune system from the masters?

...JOIN US!

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Dr. Emrah Çelikkaya Dr. Dincer Çelikkaya Doç. Dr. Ali D. Bostan

Trends in NEUROSCIENCE & NEUROSURGERY

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SPECIAL INTEREST GROUPS

How to make an effective presentation?
Prof. Ferhan Sağın
Prof. Robert Rubin

Animal Models of Demyelination
Assoc. Prof. Ruben Lopez Vales

How to write a scientific manuscript?
Prof. Samuel David



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Doç. Dr. A. Başak Engin Doç. Dr. Güneş Faenidagli Doç. Dr. Arzu L. Aral

CELLS of Neuroinflammation

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Prof. Dr. Michelle Adams Prof. Dr. M. Oğuz Ergun Prof. Dr. Hıncal Gökçe Bolay

Neuroinflammation from different perspectives!

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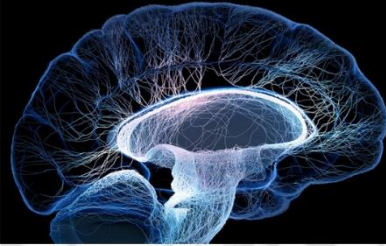


WET LABS:

GLIAL CELL CULTURE
Dr. Başak Engin & Dr. Vedat Evren & Dr. Arzu Aral
ELECTROPHYSIOLOGY
Dr. Ergin Dillekoç

...JOIN US!

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**NEUROINFLAMMATION:
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Advancing the knowledge, practical skills and professional attitudes of young neuroscientists in Turkey and all other participating neighbour countries
Meeting eminent, devoted and role-model international and national neuroscientists and teaching faculty for transfer of knowledge and know-how
Creating opportunities for networking and encouragement of new international, inter-institutional, multidisciplinary and multi-professional collaborations for research, education and translational community outreach
Social events related to culture-hunting and historical site-seeing

LECTURES

Introduction to neuroinflammation - Neuroinflammation in Health and Disease
Neuroethics -Trends in Neuroscience & Neurosurgery

WETLABS

Neuromorphology - Glial Cell Culture - Electrophysiology

SPECIAL INTEREST GROUPS

Demyelination models - Effective Presentation Skills - Reviewing a Manuscript

Hosted by:
Gazi University Faculty of Medicine

Organizers and Sponsors:
Gazi University Faculty of Medicine
Neuroscience Society of Turkey (NST-TÜBAS)
Turkey Chapter of SfN (Society for Neuroscience)

VENUE
Gazi University
Faculty of Medicine
06510, Besevler
ANKARA / TÜRKİYE

Deadline for Applications : May 25, 2018
Young Turkish Participant
Student Support will be provided.



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OTİZM PANELİ

Otizm Spektrum Bozuklukları

«Gazi-EgeBINGSS 2018»
INTERNATIONAL NEUROSCIENCE
GRADUATE SUMMER
WORKSHOP
and PRACTICAL TRAINING



Birey ve Toplumun
Beyin ve Sinir Sistemi Sağlığı
ve Verimini Geliştirmek İçin
Beyninizi Sevin, İyi Tanıyın
ve Beyin Araştırmalarını
Gönülden Destekleyin!
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Panel Yöneticisi



Otizm ve Mikrobiyota



Otizm Nedir?



Otizm ve İnflamasyon:
Deneysel Modeller



Otizm ve Fizyoterapi



Otizm'de
"Özel Eğitim"ın
Yeri

Gazi Üniv.
Hastanesi
75. Yıl
Konferans
Salonu

29
Haziran
2018

Saat:
16:30
18:30



Ege BINGSS' visiting Anıtkabir
June 25, 2018

Opening Ceremony and Lectures June 25, 2018





Special Interest Groups: SIGs



WETLABS

«Culture Hunting» Ankara City Tour





Farewell Party
June 28, 2018





7th EGE BINGSS June 25-29, 2018/ Ankara