

4th International Congress of Turkish Neuroendocrinology Society | ISTANBUL

26 | 28
November
2020


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Abstract Submission Deadline
20 October 2020

Neuro
-endocrinology





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Welcome

Dear Colleagues,

We are pleased to welcome you to the 4th International Congress of Turkish Neuroendocrinology Society (4th TNED Congress) that will be organized **online** between **26-28 November 2020**. The 4th TNED Congress was initially planned to be held at Yeditepe University in Istanbul (Turkey) between 10 – 12th April 2020. However, the meeting was postponed in view of the Coronavirus disease (COVID-19) outbreak. Since the pandemic continued over the summer, the Congress Organizing Committee decided to hold the meeting online on 26-28 November 2020.

There will be a workshop (jointly organized with the International Neuroendocrine Federation) on methods in neuroendocrinology research on 26th November (Thursday) and, the opening session and conference will be held on the evening of the same day.

This international meeting is organized to celebrate the 12th anniversary of the Turkish Neuroendocrinology Society. We aim to prepare a stimulating scientific program and attract participants from several national and international institutions. The scientific program includes keynote lectures, symposia, oral and poster sessions in all aspects of neuroendocrinology. Invited speakers include Professors Robert Millar, Stafford Lightman, Kevin O'Byrne, Alex Verkhatsky, William Colledge, Fahrettin Keleştemur, John Speakman, Ali Kemal Topaloğlu, Mike Ludwig and Emre Yakşı. A friendly online environment is expected to promote fruitful discussions and networking among colleagues and early career scientists.

Abstracts have been peer-reviewed by the scientific board and will be published in an Abstract Book. In addition, the abstracts of all conferences, symposia, oral and poster presentations will be published in a supplement issue of the Neuroendocrinology after the meeting.

We very much hope that all colleagues and their families remain safe during the COVID-19 pandemic and life returns to normal soon. We look forward to seeing you joining us for this exciting scientific event later in November 2020.

Congress Chairs

Prof. Dr. Bayram Yılmaz (Chair of the Organizing Committee, Yeditepe University)

Prof. Dr. Ahmet Ayar (President, Turkish Neuroendocrinology Society)



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November
2020



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Prof. Dr. Mete Özcan (Congress Secretary)

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SCIENTIFIC PROGRAM

26th November, Thursday

Workshop I Chair: Prof. Dr. Bayram Yılmaz

11:45 - 12:00 Welcome & Workshop Opening

12:00 - 12:30 Robert Millar

Publishing in Neuroendocrinology

12:30 - 13:00 Mike Ludwig

Matters of Credibility

13:00 - 13:15 Refreshment Break

Workshop II Chair: Prof. Dr. Gürkan Öztürk

13:15 - 13:45 Emre Yakşı

Measuring Brain Activity Using Imaging Methods

13:45 - 14:25 Alp Can

Advanced Microscopy Techniques in Neuroimaging

14:25 - 14:55 Ahmet Ayar

Fluorescence Calcium Imaging: A Powerful Research Tool for Biomedical Science

14:55 - 15:05 Zeiss Exhibition: Artificial Intelligence Sample Finder

15:05 - 15:15 Refreshment Break

Workshop III Chair: Prof. Dr. Erkut Attar

15:15 - 15:45 Kevin O'Byrne

GnRH Pulse Generator

15:45 - 16:15 Margaritis Voliotis

Mathematical Modelling in Neuroscience & Neuroendocrinology

16:15 - 16:45 Aylin Yaba Uçar

Animal Models for Studying Polycystic Ovary Syndrome (PCOS) &
Premature Ovarian Insufficiency (POI)

16:45 - 17:00 Refreshment Break

17:00 - 17:20 Congress Opening Session

Prof. Dr. Bayram Yılmaz (Congress Chair)

Prof. Dr. Ahmet Ayar (President, Turkish Neuroendocrinology Society)

Prof. Dr. Robert Millar (Past President, International Neuroendocrine Federation)

Prof. Dr. Canan Aykut Bingöl (Rector, Yeditepe University)

17:20 - 18:05 Conference 1: Stafford Lightman

The Importance of Hormone Dynamics



4th International Congress of Turkish Neuroendocrinology Society | ISTANBUL

26 | 28
November
2020



Chair: Prof. Dr. Robert Millar

18:05 - 19:35 Oral Communications – I (OC01-OC06) (Virtual Hall A)

Chairs: Prof. Dr. Yasemin Gürsoy Özdemir & Prof. Dr. Emel Ulupınar

18:05 - 19:35 Oral Communications – II (OC07-OC12) (Virtual Hall B)

Chairs: Prof. Dr. Süleyman Sandal & Prof. Dr. Sinan Canpolat

27th November, Friday

11:30 - 12:30 Poster Communications – I (PC01-PC12) (Virtual Hall A)

Chair: Prof. Dr. Feyza Arıcıoğlu

11:30 - 12:30 Poster Communications – II (PC13-PC23) (Virtual Hall B)

Chair: Prof. Dr. Mete Özcan

12:30 - 12:45 Refreshment Break

12:45 - 14:45 Oral Communications – III (OC13-OC20) (Virtual Hall A)

Chairs: Assoc. Prof. Arzu Aral & Prof. Dr. Ramis Çolak

12:45 - 14:45 Oral Communications – IV (OC21-OC28) (Virtual Hall B)

Chair: Prof. Dr. Gülgün Şengül

14:45 - 15:00 Refreshment Break

15:00 - 15:45 Conference 2: Alex Verkhratsky

Astroglia in Neuropsychiatric Disorders

Chair: Prof. Dr. Müge Yemişçi Özkan

15:45 - 16:30 Conference 3: Fahrettin Keleştemur

Pituitary Dysfunction due to Sport-Related Head Injury

Chair: Prof. Dr. Muzaffer Şeker

16:30 – 16:45 Refreshment Break

16:45 – 17:25 Conference 4: Emre Yakşi

Interactions between Sensory and Limbic Networks Drive State Transitions of Habenular Activity

Chair: Prof. Dr. Ahmet Ayar

17:25 – 18:05 Conference 5: Robert Millar

Rescuing Function of Inactivating Mutations in Human GPCRs

Chair: Prof. Dr. Kevin O'Byrne

18:05 - 18:20 Refreshment Break

18:20 - 19:05 Conference 6: William Colledge

Kiss1 Neurons as Hypothalamic Regulators of the Mammalian Reproductive Axis:
Insights from Circuitry Mapping and Transcriptomics Profiling



4th International Congress of Turkish Neuroendocrinology Society | ISTANBUL

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Chair: Prof. Dr. Vincent Prevot

19:05 – 19:50 Conference 7: Ali Kemal Topaloğlu

What Starts Puberty? An Epigenetics Explanation: KMT2D

28th November, Saturday

11:30 - 13:30 Oral Communications – V (OC29-OC36) (Virtual Hall A)

Chairs: Prof. Dr. Ercan Kurar & Prof. Dr. Selim Kutlu

11:30 - 13:30 Oral Communications – VI (OC37-OC44) (Virtual Hall B)

Chairs: Prof. Dr. Ertuğrul Kılıç & Prof. Dr. Hakan Parlakpınar

13:30 - 13:45 Refreshment Break

13:45 - 14:30 Conference 8: Mike Ludwig

Exploring Novel Neuronal Pathways from the Retina to the SCN using Transgenic Rat Models and Viral Transfection Systems

Chair: Prof. Dr. Gareth Leng

14:30 - 15:30 Poster Communications – III (PC24-PC34) (Virtual Hall A)

Chair: Assoc. Prof. Soner Doğan

14:30 - 15:30 Poster Communications – IV (PC35-PC45) (Virtual Hall B)

Chair: Assoc. Prof. Aylin Yaba Uçar

15:30 - 15:45 Refreshment Break

15:45 – 16:30 Conference 9: John Speakman

Effects of Graded Caloric Restriction

Chair: Prof. Dr. Abdullah Bereket

16:30 - 17:30 Symposium I: Ghrelin: Leaving Food Intake

Suzanne Dickson: Ghrelin and Reward

Tim Wells: Ghrelin: Harmonizing Rhythms with Feeding Patterns

Chairs: Prof. Dr. Haluk Keleştimur & Prof. Dr. Tim Wells

17:30 – 17:45 Refreshment Break

17:45 - 18:45 Symposium II: Ghrelin: Returning to Food Intake

Jeffrey S Davies: Rejuvenating the Adult Mammalian Brain – ‘Ghrelin’ Links Calorie Restriction with Hippocampal Neurogenesis

Yuxiang Sun: Ghrelin Receptor on Metabolic Health and Cognitive Function in Aging

Chair: Prof. Dr. Suzanne Dickson

18:45 – 19:15 Presentation of Awards and Closing Session

Chair: Prof. Dr. Bayram Yılmaz



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