

6th Conference of the Association of Hungarian American Academicians



MAY 5-7, 2022 – BUDAPEST, HUNGARY

MTA Székház

Association of Hungarian-American Academicians

Amerikai Magyar Akadémikusok Társasága

Organizing Committee

Tigyi Gábor, Zoltan Ács, Taracközi Anna, Terstyánszky Alexandra

Funding Provided

Ministry of Innovation and Technology of Hungary

Hungarian Academy of Sciences

Nemzeti Kutatás Fejlesztési és Innovációs Hivatal

Bay Zoltán Alkalmazott Kutatási Közhasznú Nonprofit Kft.

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Live streaming link: <https://youtu.be/37s8llkyu2l>

Program Overview

WEDNESDAY, MAY 4

9:30am – 10:30am AHAA/AMAT leadership meeting (by invitation only)
Képes Terem room on the 2nd floor

THURSDAY, MAY 5

7:30pm AHAA/AMAT Board and Speakers dinner (by invitation only)
Víg Varjú Étterem, Vigadó tér 2, 1051 Budapest, Tel: + 36 1 426 1132

FRIDAY, MAY 6

8:15am Arrival and conference registration, Nagy Terem 2nd floor
8:30am Welcome addresses: Tigyi Gábor, Ács Zoltán, Kocsis Károly
8:45am Session 1 Chair: Prof. Kocsis Károly
10:45am - 11:00am Coffee Break in the Hall
11:15am - 12:30pm Session 2 Chair: Prof. Mezey Éva
12:30pm - 1:30pm Sandwich Party Lunch, Academy Club Restaurant on the 1st floor
1:30pm - 3:45pm Session 3 Chair: Módy István
3:45pm - 4:15pm Coffee Break in the Hall
4:15pm – 4:45pm Session 4 Chair: Bodor Miklós
4:45pm – 5:30pm Business meeting (closed to AHAA/AMAT members and MTA representatives)
7:30pm – 10:00pm Gala Dinner, Academy Club Restaurant on the 1st floor

SATURDAY, MAY 7

8:00am Site visits at ZalaZone Test Park, Zalaegerszeg,
Zsidó Kiválóságok Ház Museum Balatonfüred
Chartered buses depart from the parking lot of the MTA Székház

~10:00am ZalaZone: Welcome and presentation by Prof. László Palkovics, Minister of
Innovation and Technology of Hungary and representatives from automobile
industry innovation companies
Presentation about the Limitless Future Project, sponsored by ITM and NKFIH

12:00pm Bus will take participants to Zánka for lunch at Neked Főztem restaurant

~2:30pm Chartered bus will take participants to Zsidó Kiválóságok Ház Museum
Balatonfüred

~5:00pm Departure back to Budapest for dinner at Vendéglő a KisBiróhoz

Scientific Presentations

FRIDAY, MAY 6, 2022

WELCOME & INTRODUCTION

8:45am Károly Kocsis PhD, MTA Member, President of MTK-EB
Ács Zoltán, MD, PhD, President, AHAA/AMAT
Tigyi Gábor, MD, PhD, Local organizer, AHAA/AMAT

SESSION 1

CHAIR PROF. KÁROLY KOCSIS

- 8:45 - 9:30 **Keynote #1: Márka Szabolcs**, Columbia University, New York, NY, USA
"Multimessenger Science from Cataclysmic Cosmic Explosions to a Better Earth"
- 9:45 - 10:00 **Juhász Tibor**, Department of Ophthalmology and Biomedical Engineering,
UC Irvine and ViaLase Inc., Aliso Viejo, CA, USA
"Novel OCT image-guided femtosecond laser treatment for glaucoma"
- 10:15 - 10:30 **Porkoláb Miklós**, MIT, USA
"An accelerated fusion energy program in the offing"
- 10:45 - 11:00 Coffee Break in the Hall
- 11:15 - 12:30 **Ács Zoltán**, George Mason University, Washington, DC, USA
"The global digital platform economy: Theory and evidence"
- 10:45 - 11:15 Coffee Break

SESSION 2

CHAIR: MEZEY ÉVA

- 11:15 - 11:30 **Fehér Katalin**, University of Public Services Budapest & Bolyai Research Fellow HAS
"Uncertainties in human-centered information and media technologies"
- 11:30 - 11:45 **Maliga Pál**, Rutgers University, USA
"The secret of Monsanto's commercial success: What can we learn from it?"
- 11:45-12:00 **Nagy Éva**, University of Guelph, Canada
"Coronaviruses of animals"
- 12:00 - 12:15 **Szabó Sándor**, American University of Health Sciences, Long Beach, CA, USA
"The long COVID syndrome: Lingering illness after the pandemic"
- 12:15 - 12:30 **Szabó Gyöngyi**, Harvard Medical School, Boston, MA, USA
"Alcoholic liver disease: New approaches in an old disease"
- 12:30 - 13:30 Ebéd - Akadémiai Klub

SESSION 3

CHAIR: MÓDY ISTVÁN

- 13:30 – 13:45 **Mojzsis István**, University of Colorado at Boulder, USA and Research Centre for Astronomy and Earth Sciences, Budapest
"Chemistry, Geology, and the Lomonosov-Lavoisier bridge between non-life and life"
- 13:45 – 14:00 **Hajnóczky György**, Thomas Jefferson University, Philadelphia, PA, USA
"The expanding world of mitochondria"
- 14:00 – 14:15 **Néda Zoltán**, Department of Theoretical and Computational Physics, Babes-Bolyai University, Kolozsvár, Románia
"A statistical physics view on social inequalities"
- 14:15 – 14:30 **Vancsó Gyula**, University of Twente and Sulis Polymers B.V.
"From Academia to Spinoff Research: A Short Journey in Enabling Polymer Materials"
- 14:30 – 14:45 **Záborszky László**, Rutgers University, USA
"Connectome of the forebrain cholinergic system in rodent and Alzheimer's disease"
- 14:45 – 15:00 **Módy István**, UCLA, Los Angeles, CA
"Small molecule booster of gamma oscillations for therapy of neurological and psychiatric disorders"
- 15:00 – 15:45 **Keynote #2: Roska Botond**, Institute of Molecular and Clinical Ophthalmology, University of Basel, Switzerland
"The first steps in vision: cell types, circuits and repair"
- 15:45 – 16:15 Coffee Break

SESSION 4

CHAIR: MALIGA PÁL

- 16:15 – 16:30 **Guttman András**, Horváth Csaba Memorial Laboratory of Bioseparation Sciences, San Diego, CA
"The fundamental aspects of capillary sodium dodecyl sulfate gel electrophoresis"
- 16:30 – 16:45 **Demény Pál**, Population Council, Retired
"Európa demográfiai kilátásai"
- 16:45 – 17:00 **Tigyi Gábor**
"Development of a drug that should never have to be used"
- 16:45 – 17:30 **AMAT Members**
Annual General Meeting
- 19:30 – 22:00 **MTA Elnöki Díszvacsora - Akadémiai Klub I emelet**
Presentation of PhD Student Awards

Awards

2022 WINNERS OF THE GRADUATE STUDENT FELLOWSHIPS

Turbucz Máté	Semmelweis University
Decsov Kata	Technical University Budapest
Pánczél Áron	Semmelweis University
Szócs Szilárd	Pécsi Egyetem Általános Orvosi Kar
Albitz Evelin	Eötvös Loránd Tudomány Egyetem Természettudományi Kar
Keller Dávid	Semmelweis University

WINNER OF THE 2022 YOUNG INVESTIGATOR AWARD

Fekete Rajmund, PhD
Nemzeti Közszolgálati Egyetem Amerika Kutatóintézet

Association of Hungarian-American Academicians

The Association of Hungarian American Academicians (AHAA-AMAT) and the Amerikai Magyar Akadémikusok Alapítványa (AMAAL) are not-for-profit corporations, organized for charitable, scientific, and educational purposes. Their goal is to promote interactions among Hungarian scientists working in or visiting the U.S. through various Hungarian scientific organizations, including the New York Hungarian Scientific Society, the U.S. West Coast Club of Hungarian Scientists, the Hungarian Medical Associations of America, The DC Hungarian Club. The Association organizes annual meetings, including popular scientific lectures to inform its members and the public about scientific fields represented by its members who are external members of the Hungarian Academy of Sciences (HAS). AHAA/AMAT established a travel fellowship fund for young Hungarian students and researchers pursuing education in science as well as to attend the annual meetings of the Association or meetings of the HAS.

<http://www.ahaa-amat.org/>



**ASSOCIATION OF HUNGARIAN-AMERICAN ACADEMICIANS
AMERIKAI MAGYAR AKADÉMIKUSOK TÁRSASÁGA**

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