

7th Conference of the Association of the Hungarian American Academicians



Photo by György Molnár, 2021

April 21, 2023

Consulate General of Hungary, New York, NY
223 East 52nd Street, NY 10155.

Association of the Hungarian American Academicians
Amerikai Magyar Akadémikusok Társasága
<https://ahaa-amat.org/>

Organizing Committee

Pál Maliga, Éva Nagy, Gábor Tigyi, László Záborszky, István Módy, Sándor Szabó

Financial Support

Consulate General of Hungary, New York, NY

Hungarian Academy of Sciences

Department for Culture and Science Diplomacy of the Hungarian Ministry of Foreign Affairs and
Trade

Association of Hungarian-American Academicians

Contact Information

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Program

8:30-9:00 Arrival and registration

9:00 Welcome Addresses

István Pásztor, Consul General

Tamás Novák, Scientific Attaché

Pál Maliga and Éva Nagy, AMAT Co-Presidents

SESSION 1 - The Future of AMAT

Chair: Pál Maliga

9:10 – 9:40 **Keynote #1: Zoltán J. Ács**, George Mason University, Washington, DC, USA
“Entrepreneurial ecosystems and economic development policy “

Abstract: We discuss economic development policy facing the burgeoning entrepreneurship ecosystem in Hungary. We aim to answer four questions. First, how are entrepreneurship ecosystems different from regional innovation systems and clusters, two related frameworks that had been vastly popular among economic development policymakers prior to the rise of entrepreneurship ecosystems? Second, what are the key findings in the entrepreneurship ecosystem research that can guide economic development policymaking? Third, how should economic development policy be adjusted under the entrepreneurship ecosystem approach? Lastly, what does the ongoing debate on the geographical boundaries of entrepreneurship ecosystems mean for economic development policy?

9:40-10:00 **Károly Kocsis**, Hungarian Academy of Sciences, Budapest, Hungary
“The Geography of the Hungarian Diaspora in the World”

10:00-10:20 **Réka Varga**, Dean, Nemzeti Közszolgálati Egyetem, Budapest, Hungary
"International order in light of recent conflicts”

Coffee Break

SESSION 2 – Biomedical Sciences

Chair: László Záborszky

10:50 - 11:10 **Attila Losonczy**, Columbia University, New York, NY, USA
“Memories are made of this — lessons from a smaller brain.”

11:10 - 11:30 **Ernő Sajo**, University of Massachusetts Lowell, Lowell MA, USA
"Nanoparticles in Radiation Therapy”

11:30 - 11:50 **Alán Alpár**, Semmelweis University, Budapest, Hungary
“The complex role of the calcium sensor secretagogin in the brain”

Lunch (11:50-12:50)

SESSION 3- Updates on Long COVID

Chairs: Sándor Szabó and Éva Nagy

12:50-13:10 **Éva Nagy**, University of Guelph, Canada
"Coronavirus and its variants"

13:10-13:30 **Sándor Szabó**, American University of Health Sciences (AUHS), Long Beach, CA, USA
“Long COVID is real – but its pathogenesis is still a mystery, and its pharmacology is pitiful”

13:30-13:50 **Zoltán J. Ács**, George Mason University, Washington, DC, USA
“The economic impact of COVID-19 & Long COVID on the world”

SESSION 4 – Science in Service of Society

Chair: Gábor Tigyi

13:50-14:10 **Gábor Balázs**, Stony Brook University, Stony Brook, NY, USA
"Mapping protein dosage effects with the help of synthetic gene circuits".

14:10-14:30 **Dorottya Nagy-Szakál**, Biotia, Inc.; SUNY Downstate Health Sciences University, NY, USA
“Genomics-based approaches for precision infectious disease diagnostics and future pandemic preparedness”

14:30-14:50 **Pál Maliga**, Rutgers University, Piscataway, NJ, USA
“Re-engineering the engineer: tasking with new jobs Agrobacterium, the workhorse of plant engineering”

Coffee break (14:50-15:20)

15:20-15:40 **Gábor Forgács**, University of Missouri, Columbia, MO, and Fork & Good, Inc.
“Cultured Meat: what is it and why is it important?”

15:40-16:00 **Lajos Balogh**, Editor-in-Chief, Precision Nanomedicine, USA
“Science, Pseudo-science, False, and Fake Science”

SESSION 5 – The Future of Cities

Chair: Edith A. Moravcsik

16:00-16:20 **Éva Lovra**, Fulbright Visiting Professor at the University of Pittsburgh, Pittsburgh, PA, USA; Department of Civil Engineering, University of Debrecen, Hungary
“Urban Tissue Typology in Central Europe: the Integrated Urban Morphology Method”

16:20-16:40 **Zoltán Bereczki**, Department of Civil Engineering, University of Debrecen, Hungary
“Procedural approach to architectural order”

16:40 Annual Business Meeting for AMAT members and HAS representatives only

17:40 Dinner

Introduction: Pál Maliga

Keynote 2. János Bergou, Department of Physics and Astronomy, Hunter College of the City University of New York, New York, NY, USA
“Quantum Miracles: The 2022 Nobel Prize for Physics”

The 2nd Keynote is a seated dinner presentation.

Abstract: By some personal reminiscences, I’ll tell the story of how the research directed toward the philosophical foundations of quantum physics, once regarded as a waste of time that certainly could not secure a decent academic job, became mainstream and led to spectacular applications, bordering science fiction. These applications include teleportation, quantum computing, and quantum communication, and many others, and ushered us in the era of the second quantum revolution that will change our lives forever.

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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.

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 has established a travel fellowship fund for young Hungarian students and researchers pursuing education in science to attend scientific meetings, the annual meetings of the association or meetings of the HAS.