

# THE HUNGARIAN MEDICAL ASSOCIATION OF AMERICA



## CURRENT DEVELOPMENTS IN BIOMEDICAL AND CLINICAL SCIENCES

### 51<sup>ST</sup> ANNUAL SCIENTIFIC MEETING

October 27 – November 1, 2019  
Sandcastle Resort at Lido Beach,  
Sarasota, Florida

CME provided by the Department of Continuing Medical Education,  
Jacobs School of Medicine,  
State University of New York at Buffalo, Buffalo, New York

# THE HUNGARIAN MEDICAL ASSOCIATION OF AMERICA

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# WELCOME...

Dear Colleagues and Guests,

Welcome to the 51<sup>st</sup> Annual Scientific Meeting of the Hungarian Medical Association of America (HMAA)!

Our 50<sup>th</sup> Anniversary Meeting with 198 registered participants was a huge success last year. Distinguished guests included Mr. Janos Ader (President of Hungary), Dr. Laszlo Szabo (Ambassador of Hungary to the United States), Dr. Ildiko Horvath (Secretary of State for Healthcare, Ministry of Human Resources), Ms. Orsolya Pacsay-Tomassich (Secretary of State for International Affairs, Ministry of Human Resources), Dr. Bela Merkely (Rector, Semmelweis University) and Dr. Laszlo Matyus (Dean, University of Debrecen). The scientific meeting was a display of great speakers including Nobel Laureate Dr. Craig Mello. Among others, entertainment was provided by Mr. Bertalan Farkas, the first Hungarian cosmonaut, Mr. Denes Kemeny, three times Olympic gold winner Head Coach of the Hungarian National Water Polo Team, and Dr. Peter Gloviczki, world famous vascular surgeon and magician.



After last year's 50<sup>th</sup> Anniversary Meeting, we are "back to normal" this year. Still, we are stronger than ever before. Eighty-five abstracts have been submitted for this year's scientific program. This is fewer than the 115 abstracts submitted for the 50<sup>th</sup> Anniversary, but significantly more than the number of abstracts we received in 2017 (57) and 2016 (53). Several distinguished guests, including Dr. Laszlo Szabo, Dr. Ildiko Horvath, Ms. Orsolya Pacsay-Tomassich, Dr. Bela Merkely and Dr. Laszlo Matyus, will be back this year. In addition, Dr. Miklos Nyitrai (Dean, University of Pecs) and Dr. Gyorgy Lazar (Dean, University of Szeged) are also coming. Scientific Program Chairs Drs. Istvan Stadler and Janos Tanyi and Social Program Chairs Drs. Louis Huzella and Kinga Huzella have been working diligently to make sure that the quality of the scientific program and entertainment remains at the highest levels.

Please enjoy the meeting and work with us on a bright future for the HMAA!

With best regards,

A handwritten signature in blue ink, appearing to read "Andras Khor".

Andras Khor, MD, PhD  
President of HMAA



## LOCATION

### **The Sandcastle Resort at Lido Beach**

1540 Ben Franklin Drive, Lido Beach, Sarasota, FL 34236

Tel: 941-388-2181

Fax: 941-388-2655

Categories of rooms are:	Gulf-view	\$160/day
	Pool-side, Court-side	\$140/day
	North-Side	\$120/day
		+ tax

*Please identify yourself as an attendee of our meeting to get the special conference rate.*

*Please note that participants need to register for the Meeting to receive the discounted conference rate.*

# CME ACCREDITATION

## ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences and the Hungarian Medical Association of America. The State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences is accredited by the ACCME to provide continuing medical education for physicians.

## CERTIFICATION

The State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences designates this live activity for a maximum of **25.0 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## HMAA 2019 Educational Objectives:

By the end of this activity participants will be able to gain information about the following subjects:

1. The latest developments and benefits of clinical modalities in cardiology and vascular surgery.
2. Latest developments and clinical applications in ophthalmology.
3. New developments in basic biomedical sciences and translational research and their clinical relevance (including Young Investigators' session).
4. Recent developments of onco-pathology, including new diagnostic approaches to various cancers and their applications in clinical practice.
5. Recent technical advances in medicine and their potential applications in patient care.
6. Update in the latest developments and new procedures in surgery and clinical applications of novel procedures.
7. Developments and challenges facing current Health Care Systems in North America and Europe.
8. New aspects of hospital medical practice, new options in general health care service and the utilization of the new application in public health care.
9. New techniques in medical imaging and their clinical applications.

# DISCLOSURE

In accordance with HMAA policy and the Accreditation Council for Continuing Medical Education requirements on disclosure, presenters must inform the audience about any relevant relationship with companies whose products or services they may discuss.

## GUIDELINES FOR CME PRESENTERS

### **Disclose relationships with companies**

1. Make sure the audience knows about your relationship with companies whose products or services you may discuss (even generally). Such relationships include: membership on a speaker's bureau, advisory board, consultant, research support, funding for clinical trials, travel grants.
2. If you have NO relationship with companies whose products you discuss the audience needs to know that.

### **Identify off-label and investigational uses of products**

### **Present valid clinical content**

1. Incorporate levels of evidence into CME presentations especially those dealing with patient care recommendations.
2. Make sure that your recommendations involving patient care are based on evidence that is accepted within the profession of medicine as having adequate justification for their indications and contraindications in the care of patients.

### **Avoid**

1. Methods that are known to have risks or dangers that outweigh the benefits.
2. Methods that are known to be ineffective.

**Challenge** other presenters and participants who fail to provide valid evidence for their opinions or recommendations by questioning the validity of their data or, better, offering valid data

# BUSINESS MEETINGS

## BOARD OF TRUSTEES' MEETINGS

1. **Monday**, October 28, 2019, 6:00pm  
*Conference Room*
2. **Friday**, November 1, 2019, 1:00 pm  
*Coffee Shop*

## MEMBERSHIP MEETING

**Wednesday**, October 30, 2019, 2:00pm.  
*Conference Room*  
**All members are expected to attend!**

## SOCIAL FUNCTIONS

**Sunday, October 27, 2019**

5:00pm-7:00pm

### **OPENING RECEPTION**

Candlelight Restaurant and Poolside in the Sandcastle Resort

**Wednesday, October 30, 2019**

**Traditional Water Polo Game**

4:00pm-5:30pm

Langos and palacsinta by the pool

**Thursday, October 31, 2019**

6:00pm-11:00pm

### **GALA DINNER WITH COCKTAIL HOUR at the SARASOTA YACHT CLUB**

**Award Presentations**

**Keynote Speaker: HE Laszlo Szabo, MD  
Ambassador of Hungary to the United States**

**Guest of Honor: Ildiko Horvath, MD, PhD, Secretary of State for Healthcare,  
Ministry of Human Capacities, Hungary**

**Guest of Honor: Orsolya Pacsay-Tomassich, PhD, Secretary of State,  
Ministry of Foreign Affairs and Trade, Hungary**

**Friday, November 1, 2019**

6:30pm-12:00am

### **“HALLOWEEN” CLOSING DINNER PARTY**

Candlelight Restaurant at the Sandcastle Resort at Lido Beach

Costumes are highly encouraged

**Live music by Talfi**



# REGISTRATION

## Registration Fees

Preregistration must be made by October 21 on-line on the hmaa.org website.

	Pre-Registration	On-site
Regular Member*	\$625	\$750
Non-Member	\$900	\$1050
Retired Member*	\$435	\$485
Members from Hungary*	\$435	\$500
Retired Members from Hungary*	\$300	\$350
Residents, fellows and Health Related Professionals	\$250	\$300
Students (valid ID is needed)	Free	\$50

**\*Member registration fees apply to those members who had paid their annual membership dues for 2019.** The registration fee includes the Opening Reception; other social functions are payable separately.

## Social Events

Opening Reception for Guests	\$50
Dinner at Salute Restaurant	TBA
Gala Dinner	\$130
Halloween Kocsma Party	\$80

## All participants of the meeting should register.

Make checks payable to HMAA. Payments by credit card are accepted on-line on the <https://hmaa.org> website and on-site at the registration desk.

**On-site Registration** will be open on Sunday, October 27, from 12:00pm to 4:00pm and Monday through Friday from 7:30am to 9:30am in the registration room adjacent to the Hotel Lobby.

## Cancellation Policy:

Cancellations must be received in writing. For cancellations received on or before September 8, 2019, a \$50 administrative/processing charge will be applied. Between September 9 and October 6, cancellations will be charged 25% of the total amount paid. There will be no refunds for cancellations after October 6.

**PLEASE NOTE:** Continental Breakfast will be served every morning before the scientific session in the conference room. Coffee, tea, and refreshments will be served during the coffee break.

# ORGANIZATION OF THE 51<sup>ST</sup> ANNUAL SCIENTIFIC MEETING

## **MEMBERS OF THE 2019 SCIENTIFIC PROGRAM COMMITTEE:**

Andras Khor, MD, PhD <i>President, Ex-Officio</i>	Pathology, Oncology
Geza Acs, MD, PhD <i>Secretary</i>	Pathology, Oncology
György Baffy, MD, PhD Past President	Hepatology, Gastroenterology, Internal Medicine
Zsolt Garami, MD	Medical Imaging, Cardiology
Istvan Somkuti, MD, PhD	Gynecology-Obstetrics
Istvan Stadler, PhD	Scientific Program Chair

## **ABSTRACT ISSUE OF THE ARCHIVES OF THE HMAA:**

Istvan Somkuti, MD, PhD, Editor-in-Chief  
Geza Acs, MD, PhD, Co-Editor

## **SOCIAL PROGRAM:**

Louis Huzella, DVM  
Kinga Huzella, MD

## **REGISTRATION AND SOCIAL FUNCTIONS:**

HMAA Social Program Committee  
Agnes Stadler, PhD  
Gabor Horvath, MD, PhD

# HUNGARIAN MEDICAL ASSOCIATION OF AMERICA STUDENT AWARDS

In 2010 the Hungarian Medical Association of America established travel awards for young investigators studying outside the USA and Canada to participate and present at our yearly scientific meeting.

## THE IVAN KRISZTINICZ MD MEMORIAL STUDENT AWARD

(Sponsored by the HMAA)

2010	Karoly Nemeth
2011	Marton Pipic
2012	Adam Jermendy
2013	Kornel Danos
2014	Agnes Hunyady
2015	Andras Sziraki
2016	Balazs Szabo
2017	David Keller
2018	Zsofia Nozomi Karadi
<b>2019</b>	<b>Benjamin Hajnal</b>

## THE HMAA SCIENTIFIC STUDENT TRAVEL AWARD (DEBRECEN)

(Sponsored by Geza Acs, MD, PhD and Peter Acs, MD, PhD)

2010	Edit Nagy
2011	Rita Oravecz
2012	Alexandra Kiss
2013	Attila Liptak
2014	Vivien Stercel
2015	Istvan Bojti
2016	Laszlo Szivos
2017	Dora Bencze
2018	Zsuzsanna Kolostyak
<b>2019</b>	<b>Emese Papp</b>

## THE STUDENT SCIENTIFIC AWARD OF THE HMAA (MAROSVÁSÁRHELY)

(Sponsored by Gyorgy Baffy, MD, PhD, Past President of HMAA)

2013	Ildiko A. Benedek
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2014 Nimrod Tubak  
2015 Marta Gencsi  
2016 Istvan Madar  
Zsigmond Kalman  
2017 Timea B. Forro  
Emoke Fodor  
2018 Mihai Iuliu Harsa  
**2019 Annamaria Kiss**  
**Andrea-Kinga Papp**

### **THE ZOLTAN GOMBOS TRAVEL FUND AWARD (POZSONY)**

(Sponsored by Zoltan Gombos, MD)

2015 Balazs Galffy  
2018 Tomas Brngal

### **THE HMAA NORTH AMERICAN STUDENT AWARD**

(Sponsored by the HMAA)

**2019 Veronica Frank**

# SCIENTIFIC PROGRAM OF THE 51<sup>ST</sup> ANNUAL SCIENTIFIC MEETING

**MONDAY, October 28, 2019**

7:30am-9:30am Registration

8:00am **Opening Remarks by the President of HMAA**  
**Andras Khor, MD, PhD**

## **REMEMBERING DR. RICHARD V. RIGLER**

**Moderators: Louis Huzella, DVM and Karoly Kismartoni, MD**

8:05am **Remembering My Father, Dr. Richard v. Rigler, as the Inspiration Behind My Passionate Pursuit and Advocacy of an Integrative Model of Health Care**  
**Marianne v. Rigler Koszorus (1)**

## **LATEST DEVELOPMENTS IN BIOMEDICAL SCIENCES AND TRANSLATIONAL RESEARCH**

**Moderators: Louis Huzella, DVM and Karoly Kismartoni, MD**

8:30am **Interleukin-1 Mediates Chronic Restraint Stress-Induced Neuropathic Hyperalgesia in a Mouse Model**  
**Barbara Fulop, MS**, Hunyady, A., Borbely, E., Szentes, N., Denes, A., Lenart, N. and Helyes, Z. (2)

8:45am **Examination of the Auditory System in PACAP-Deficient Mice**  
**Daniel Balazs Fulop, MD**, Humli, V., Zelles, T., Pham, D., Ott, V., Szepesy, J., Nemeth, A., Reglodi, D., Gaszner, B., Gyurok, G. and Tamas, A. (3)

9:00am **Dynamic Lipid Mediator Changes Support Infiltrating Macrophage Subtype Transitions During Skeletal Muscle Injury and Dystrophy**  
**Laszlo Nagy, MD, PhD (4)**

9:15am **Spexin: Cellular Localization and Effect on the Metabolic Parameters of an Animal Model of Diabetes Mellitus**  
Alharthi, S.H., Alhadhrami, Z.K., Alhadhrami, S.K., Alhajri, H.S., D'Souza, C., Tariq, S. and **Ernest A. Adeghate, MD, PhD, DSc (5)**

- 9:30am **Establishment of a New Medical School in Austria – A Vice Rector’s Experience**  
**Andrea Olschewski, MD, PhD** (6)
- 9:45am **NIPAH Virus MRI in African Green Monkeys**  
Lee, J.H, Hammoud, D.A., Cong, Y., **Louis Huzella, DVM**, Castro, M., Solomon, J., Laux, J., Lackmeyer, M., Bohannon, J., Rojas, O., Byrum, R., Adams, R., Ragland, D., St. Claire, M., Feuerstein, I.M., Munster, V. and Holbrook, M.R. (7)
- 10:00am **Tracking Down the Mad Ones in the Mass**  
**Peter Blazso, MD, PhD**, Csomos, K., Ujhazi, B. and Walter, J.E. (8)
- 10:15am **Questions & Answers**
- 10:30am **Coffee Break**

## **YOUNG INVESTIGATORS’ MULTIDISCIPLINARY SESSION I: STUDENT AWARD RECIPIENTS**

**Moderators: Andras Khor, MD, PhD and Zoltan Gombos, MD**

- 10:45am **Assessment of Right Ventricular Systolic Function With 3D Echocardiography Following Cardiac Resynchronization Therapy**  
**Emese Papp, MS** and Jenei, C. (9)  
**Winner of the 2019 HMAA Student Scientific Travel Award (Debrecen)**
- 11:00am **Radiomic Analysis in Solid Tumors of the Pancreas**  
**Veronica Frank, MS**, Shariati, S., Budai, B., Pencz, B., Borka, K. and Kaposi, P.N. (10)  
**Winner of the 2019 HMAA North American Student Award**
- 11:15am **Finite Element Analysis Based Lumbosacral Revision Surgery Using an Individual Navigation Template**  
**Benjamin Hajnal, MS** and Eltes, P.E. (11)  
**Winner of the 2019 Ivan Krisztinicz MD Memorial Student Award**
- 11:30am **Rotary Motion and Alteration of the Dopaminergic System in Case of Epileptic Rats**  
**Andrea Kinga Papp, MS**, Szilagyi, T., Orban-Kis, K. and Mihaly, I. (12)  
**Winner of the 2019 Marosvasarhely HMAA Student Award**
- 11:45am **The Therapeutic Use of BTK-Inhibitor in Patients with Chronic Lymphocytic Leukemia**  
Benedek, I. and **Annamaria Kiss, MS** (13)  
**Winner of the 2019 Marosvasarhely HMAA Student Award**
- 12:00pm **Questions and Answers**
- 12:15pm **Coffee Break**

## YOUNG INVESTIGATORS' MULTIDISCIPLINARY SESSION II

Moderators: Andras Khor, MD, PhD and Zoltan Gombos, MD

- 12:20pm **Assessment and Management of Dry Eyes**  
Brandon Vittetoe (14)
- 12:35pm **Ben Massell Dental Clinic Atlanta Impact**  
Athena Cohen (15)
- 12:50pm **Orally Administered Aspirin Reduces the Endothelial Cell Damage Caused by Ischemia-Reperfusion Injury of Arterial Vascular Grafts in a Rodent Model of Arterial Revascularization**  
Klara Aliz Stark, MS, Veres, G., Bai, Y., Longanathan, S., Korkmaz-Icoz, S., Karck, M. and Szabo, G. (16)
- 1:05pm **The Median Raphe and its Effect on Hippocampal Memory**  
Ferenc Komlosi, MS (17)
- 1:20pm **Impact of Medical Cannabis Programs on the US Opioid Epidemic**  
Monika Erzsebet Ambrus, MS and Terebessy, A. (18)
- 1:35pm **Exercise-Induced Arrhythmias in Patients with Grown-Up Congenital Heart Disease**  
Julia Erdi, MS, Nederend, M., Erdi, A., Egbe, A.C. and Allison, T.G. (19)
- 1:50pm **Questions & Answers**
- 2:00pm **Adjournment**

## TUESDAY, October 29, 2019

7:30am-9:30am Registration

### MULTIDISCIPLINARY SESSION I: ADAPTATION OF THE CARDIOVASCULAR SYSTEM TO EXERCISE

Moderator: Akos Koller, MD, PhD, DSc

- 8:00am **Introduction**  
Akos Koller, MD, PhD, DSc
- 8:05am **Adaptations of Coronary Circulation to Regular Aerobic Exercise:  
Cellular and Molecular Mechanisms**  
Akos Koller, MD, PhD, DSc (20)
- 8:20am **Cardiopulmonary Exercise Testing Normal Values for Young Athletes  
and Non-Athletes**  
Nora Sydo, MD, PhD, Csulak, E., Gyore, I., Sydo, T., Petrov, I., Major, D.,  
Lakatos, B., Kovacs, A., Czimbalmos, C., Vago, H., Allison, T.G. and  
Merkely, B. (21)
- 8:35am **Sport-Specific Performance Assessment**  
Emese Csulak, MD, Sydo, N., Gyore, I., Sydo, T., Petrov, I., Major, D.,  
Lakatos, B., Kovacs, A., Czimbalmos, C., Vago, H. and Merkely, B. (22)
- 8:50am **Physiotherapy After Main Left Coronary Anomaly-Caused Aborted  
Sudden Cardiac Death**  
Szilvia Sydo, MSc, Csulak, E., Sydo, N., Becker, D., Vago, H., Czimbalmos,  
C., Dohy, Z., Kovacs, A., Lakatos, B., Barczi, G., Hartyanszky, I. and  
Merkely, B. (23)
- 9:05am **Shoulder Instability in Professional Athletes**  
Gyorgy Kovacs, MD and Merkely, G. (24)
- 9:20am **Questions & Answers**
- 9:35am **Coffee Break**

### LATEST DEVELOPMENTS IN ANESTHESIA AND SURGERY

Moderator: Ivan Harangozo, MD

- 9:45am **Introduction**  
Ivan Harangozo, MD
- 9:50am **Advances in Neurosurgery and Associated Challenges for the  
Neuroanesthesiologist**  
Ferenc E. Gyulai, MD (25)



- 10:05am **ERAS - Enhanced Recovery After Surgery**  
**Ivan Harangozo, MD** (26)
- 10:20am **Traumatic Dislocation of the Acromioclavicular Joint**  
**Miklos Szabo, MS** and Kovacs, G. (27)
- 10:35am **From Bassini to Da Vinci – Quo Vadis Chirurgica Hernialis?**  
**Andras Sandor, MD** (28)
- 11:50am **Minimally Invasive Surgical Treatment for Ulcerative Colitis**  
**Gyorgy Lazar, MD, PhD, DSc**, Tajti, Jr., J., Simonka, Z., Paszt, A., Abraham, S., Farkas, K. and Molnar, T. (29)
- 11:05am **Female Genital Cosmetic Surgery**  
**George Marosan, MD** (30)
- 11:20am **Questions & Answers**
- 11:35am **Break**

## **MULTIDISCIPLINARY SESSION II**

**Moderator: Istvan Somkuti, MD, PhD**

- 11:45am **The Role of 99mTc-DTPA Retrobulbar SPECT in Staging and Follow-Up of Graves' Orbitopathy**  
**Laszlo Galuska, MD, PhD, DSc**, Barna, S.K., Varga, J., Garai, I. and Nagy, E.V. (31)
- 12:00pm **Sibling Gamete Donation to Monozygotic Twin Recipients with Premature Ovarian Failure**  
**Istvan Somkuti, MD, PhD** (32)
- 12:15pm **Telemedicine in Primary Care: Current Status and Perspectives**  
**Ildiko Halasz, MD** (33)
- 12:30pm **Optimizing EMR Alerts: Improving the Safety of Medication Administration to Enhance Patient Care**  
**Balazs Zsenits, MD** (34)
- 12:45pm **Monitoring and Forecasting Metabolic Health with Mobile Computing**  
**Zsolt Peter Ori, MD** (35)
- 1:00pm **Questions & Answers**
- 1:15pm **Adjournment**

## WEDNESDAY, OCTOBER 30, 2019

7:30am-9:30am Registration

### WE ARE BUGGED! GUT MICROBIOME IN HEALTH AND DISEASE

Moderator: Gyorgy Baffy, MD, PhD

- 8:00am **Introduction**  
Gyorgy Baffy, MD, PhD
- 8:05am **Microbiome Profiling Using Next-Generation Sequencing in Precision Diagnostics of Infectious Diseases**  
Dorottya Nagy-Szakal, MD, PhD (36)
- 8:20am **Stress of the Holobiont and Impact on Non-Alcoholic Fatty Liver Disease**  
Gyorgy Baffy, MD, PhD (37)
- 8:35am **Alterations of the Gut Microbiota in Insulin Resistance and Hyperinsulinemia**  
Richard Schwab, MD, Cserepes, J., Nyul, D., Krizsan, D., Toth, T.G., Sike, R., Gyokeres, T., Demeter, P., Gellay, A. and Mechtler, L. (38)
- 8:50am **Comprehensive and Fast Next-Generation Sequencing Profiling of the Microbiome and Antimicrobial Resistance in Clinical Urine Samples**  
Dorottya Nagy-Szakal, MD, PhD, Ounit, R., Ford, J., Viangteeravat, T., Panmontha, W., Rangsrakitphoti, P., Techasathit, W., Mason, C.E and O'Hara, N.B (39)
- 9:05am **Pharmacology of Intestinal Microbiota Transplantation in Recurrent *C. difficile* Infection**  
Alexander Khoruts, MD (40)
- 9:20am **Fecal Microbiota Transplant Decreases Mortality in Patients with Refractory Severe or Fulminant *Clostridioides difficile* Infection**  
Monika Fischer, MD (41)
- 9:35am **Questions & Answers**
- 9:45am **Coffee Break**

### DISTINGUISHED LECTURE

Moderator: Charles Akos Szabo, MD

- 10:00am **Emergence of Cognition from Action**  
Gyorgy Buzsaki, MD, PhD (42)
- 10:45am **Questions and Answers**

11:00am Coffee Break

## **WILLIAM GANZ MD MEMORIAL SESSION: LATEST DEVELOPMENTS IN CARDIOLOGY AND VASCULAR DISEASES**

Moderators: Zsolt Garami, MD and Akos Koller, MD, PhD

- 11:10am **Introduction**  
**Akos Koller, MD, PhD**
- 11:15am **The Risk Factors Associated with Heart Failure with Preserved Ejection Fraction**  
**Nora Kovacs, MS (43)**
- 11:30am **Cardiovascular Events and Cardiac Toxicity among Adult Patients Treated with Chimeric Antigen Receptor T-Cells: A Multi-center Registry**  
**Zsofia Drobni, MD**, Alvi, R.M., Fradley, M.G., Frigault, M.J., Jain, M.D., Mahmood, S.S., Awadalla, M., Lee, D.H., Zlotoff, D.A., Zhang, L., Bassily, E., Hassan, M., Mulligan, C.P., Rokicki, A., Banerji, D., Lazaryan, A., Shah, B.D., Raje, N., Chavez, J.C., Abramson, J., Locke, F.L. and Neilan, T.G. (44)
- 11:45am **Quo Vadis Balatonfured? The International Influence Helped the Development of the Balatonfured Heart Hospital**  
**Gabor Veress, MD, PhD (45)**
- 12:00pm **Novel Cerebrovascular Mechanisms Responsible for the Prevention and Consequences of Hemorrhagic Stroke**  
**Akos Koller, MD, PhD (46)**
- 12:15pm **FORECAST (Forecast of Mortality Risk Early in the Postcardiac Arrest Syndrome Therapy) Pilot Score to Estimate Early Mortality in Post Cardiac Arrest Syndrome Patient Population – Preliminary Results**  
**Endre Zima, MD, PhD**, Kiss, B. and Kovacs, E. (47)
- 12:30pm **Genetic Influences on Variations of Coronary Plaque Volumes: Insights from a Classical Twin Study**  
**Zsofia Drobni, MD**, Kolossvary, M., Karady, J., Jermendy, A., Tarnoki, A.D., Tarnoki, D.L., Voros, S., Jermendy, G., Merkely, B. and Maurovich-Horvat, P. (48)
- 12:45pm **Contemporary Management of Chronic Venous Disease**  
**Peter Gloviczki, MD (49)**
- 1:00pm **Retrograde Administration of Ultrasound-Guided Microfoam Chemical Ablation vs Endovenous Laser Ablation for the Treatment of Superficial Venous Insufficiency**  
**Steven T. Deak, MD, PhD (50)**

- 1:15pm **The Terminator – iRobot Invasion! First Clinical Application of the Autonomous TCD Robotic System During Carotid Artery Stenting**  
**Zsolt Garami, MD** and Lumsden, A.B. (51)
- 1:30pm **Questions and Answers**
- 1:45pm **Adjournment**
- 2:00pm **ANNUAL MEMBERSHIP MEETING**  
**All members are expected to attend**

## THURSDAY, October 31, 2019

7:30am– 9:30am Registration

### MULTIDISCIPLINARY SESSION III: MEDICINE, HEALTH CARE AND PUBLIC HEALTH

Moderators: Ildiko Halasz, MD and Balazs Zsenits, MD

- 8:00am **A Retrospective Review of Family Medicine Referrals to the Emergency Department at University Hospital Kerry**  
**Alexander Benyovszky, MD**, Fiddick, C., Arsenijevic, Z. and Boyd, M. (52)
- 8:15am **Sepsis in the Emergency Department of Semmelweis University**  
**Bank G. Fenyves, MD**, Sandor, S., v. Beck, L. and Berenyi, T. (53)
- 8:30am **Case Series of Oxygenation with Humidified Rapid-Insufflation Ventilatory Exchange During Rigid Bronchoscopy**  
**Anna Kornafeld, MD**, Chadha, R. and Fernandez-Bussy, S. (54)
- 8:45am **When There Is No Neurologist!: 2019 Medical Mission Report – Liberia**  
**Lawrence A. Zumo, MD** (55)
- 9:00am **Alcoholic Hepatitis-New Discoveries and Clinical Approaches**  
**Gyongyi Szabo, MD, PhD** (56)
- 9:15am **Plasma Proteins as a One-Stop Shop for Personalized Health Care: Proof of Concept**  
**Peter Ganz, MD** (57)
- 9:30am **Improved Osteochondral Allograft Preservation Using Cyclic Hydrostatic Pressure**  
**Gergo Merkely, MD**, Mizuno, S. and Lattermann, C. (58)
- 9:45am **Coronary Artery Disease is Associated with Left Ventricular Intramyocardial Fat on Cardiac CT in Patients with Stable Chest Pain - Insights from PROMISE Trial**  
**Julia Karady, MD**, Mayrhofer, T., Kikuchi, Y., Ivanov, A., Ferencik, M., Lu, M.T., Foldyna, B., Puchner, S.B., Emami, H., Meyersohn, N., Bittner, D.O., Maurovich-Horvat, P., Douglas, P.S. and Hoffmann, U. (59)
- 10:00am **Endovascular Treatment of Chronic Mesenteric Ischemia**  
**Peter Legeza, MD**, Banga, P., Nemes, B., Szeberin, Z. and Sotonyi, P. (60)
- 10:15am **Monocyte Subtypes and Their Functionality in Patients with ANCA-Associated Vasculitis. An Analysis Based on Novel Markers**  
**Leon Schubert, MD** (61)
- 10:30am **Questions & Answers**

10:45am Coffee Break

## **DISTINGUISHED SESSION: RECENT DEVELOPMENTS IN MEDICAL EDUCATION**

**Moderator: Andras Khor, MD, PhD**

- 10:55am **Introduction**  
**Andras Khor, MD, PhD**
- 11:00am **The Three Generations for Health**  
**Ildiko Horvath, MD, PhD**, Secretary of State for Healthcare, Ministry of Human Capacities, Hungary
- 11:15am **A Changing Mindset in Hungarian Higher Education Promotion**  
**Orsolya Pacsay-Tomassich, PhD**, Secretary of State, Ministry of Foreign Affairs and Trade, Hungary
- 11:30am **Curriculum Reform and Health Industry Innovation at Semmelweis University**  
**Bela Merkely, MD, PhD** (62)
- 11:45am **New Trends in the Education and Training of Health Sciences at Semmelweis University**  
**Zoltan Zsolt Nagy, MD, PhD** (63)
- 12:00pm **Best Practice Research Teaching in Medical Education in Hungary: Student Research Society**  
**Laszlo Matyus, MD, PhD** (64)
- 12:15pm **The Biomedical Engineering Project of the University of Pecs – Medical Aspects**  
**Miklos Nyitrai, PhD** and Maroti, P. (65)
- 12:30pm **The Language of Health Care**  
O’Toole, M.T. and **Marcel Pop, PhD** (66)
- 12:45pm **Mirroring the Future in the Past: Medical Education in Transylvania**  
**Erika Gyongyi Ban, MD, PhD** and Brassai, A. (67)
- 1:00pm **Innovation in Healthcare Provision – Key Learnings from Europe**  
**Attila Vegh, MD, PhD** (68)
- 1:15pm **How Politics Influenced Scientific Research in Hungary During the Second Half of the 20<sup>th</sup> Century**  
**Jozsef Sandor, MD, PhD**, Weber, G., Szabo, G., Csukas, D., Juhos, K., Feher, D., Voniatis, C. and Ferencz, A. (69)
- 1:30pm **Questions and Answers**
- 1:45pm **Adjournment**

## **NON-CME PROGRAM**

### **HOW TO BECOME A TOP 15 DESTINATION FOR US STUDENTS – MEDICAL EDUCATION**

**Moderator: Tamas Novak, PhD**

**2:00pm Panel Discussion**

**Panelists: Gyorgy Baffy, MD, PhD  
Imre Varju, MD, PhD  
Zsuzsanna Gedeon, LLM**

**3:00pm Adjournment**

**6:00pm Gala Dinner with Cocktail Hour at the Sarasota Yacht Club**

#### **Award Presentations**

**Keynote Speaker: HE Laszlo Szabo, MD  
Ambassador of Hungary to the United States**

**Guest of Honor: Ildiko Horvath, MD, PhD, Secretary of State for  
Healthcare, Ministry of Human Capacities, Hungary**

**Guest of Honor: Orsolya Pacsay-Tomassich, PhD, Secretary of State,  
Ministry of Foreign Affairs and Trade, Hungary**

## FRIDAY, NOVEMBER 1, 2019

8:00am-9:00am Registration

### MULTIDISCIPLINARY SESSION IV: MEDICINE, NEUROLOGY AND PSYCHIATRY

Moderator: Charles Akos Szabo, MD

- 8:00am **Two New and Novel Approaches to the Treatment of Obesity**  
**Edward Hatchigian, MD** (70)
- 8:15am **Compulsory Treatment, Control and Provocation in the Families with Eating Disorders - The Coercion Paradox**  
**Ferenc Tury, MD, PhD** (71)
- 8:30am **An Unhealthy Health Behavior: Orthorexia Nervosa and its Correlates**  
**Eniko Bona, MA** and Tury, F. (72)
- 8:45am **Man-in-the-Barrel Syndrome**  
**Gyorgy Jantosik, MD**, Drancik, F. and Cibulcik, F. (73)
- 9:00am **Moving to Minimally Invasive Tools to Localize and Treat Epilepsy**  
**Charles Akos Szabo, MD** (74)
- 9:15am **Population Health Management Intervention for Chronic Pain and Depression**  
**Zelma Klara Mark, DBH, LCPC, NCC, ACS** (75)
- 9:30am **Preparing Depressive Patients to Transcranial Magnetic Stimulation (TMS)**  
**Patrick Bodrog**, Szabo, A. and Bodrog, G. (76)
- 9:45am **Elevated Osteopontin and IFN $\gamma$  Serum Levels and Increased Neutrophil-to-Lymphocyte Ratio are Associated with the Severity of Symptoms in Schizophrenia**  
**Marton Aron Kovacs, MD**, Tenyi, T., Herold, R., Balogh, P. and Simon, D. (77)
- 10:00am **Predicting the Severity of Cardiovascular Manifestations in Marfan Syndrome Patients Based on Genotypic-Phenotypic Correlations**  
**Roland Stengl, MS**, Daradics, N., Benke, K., Bors, A., Agg, B., Bartha, E., Polos, M., Szabolcs, Z. and Merkely, B. (78)
- 10:15am **Questions and Answers**
- 10:30am **Coffee Break**



# LATEST DEVELOPMENTS IN ONCOLOGY AND ONCOLOGIC PATHOLOGY

Moderators: Geza Acs, MD, PhD and Gyorgy Panyi, MD, PhD

- 10:45am **The Use of Choline PET/CT for Restaging of Prostate Cancer Patients**  
**Diana Nikoletta Szabo, MS**, Garai, I., Peter, A. and Polgar, C. (79)
- 11:00am **Large Conductance Ca<sup>2+</sup>-Activated K<sup>+</sup> Channel Auxiliary Subunits in Glioblastoma**  
**Gyorgy Panyi, MD, PhD** and Petho, Z. (80)
- 11:15am **Green Tea Polyphenols in Health and Diseases: Receptor Mediated Signaling of Protein Phosphatases and Influence on Various Cellular Events**  
**Ferenc Erdodi, PhD, DSc** (81)
- 11:30am **MR-Mammography and Breast Cancer Screening in Women with Gene Mutations**  
**Viera Lehotska, MD, PhD** (82)
- 11:45am **The Not-So Bad, the Worse and the Ugly: Morphologic and Molecular Heterogeneity in Triple Negative Breast Cancers and their Clinical Implications**  
**Geza Acs, MD, PhD** (83)
- 12:00pm **Small Cell Lung Cancer: An Update**  
**Andras Khor, MD, PhD** (84)
- 12:15pm **Aspergillosis in Pediatric ALL Patients – Case reports**  
**Gabor Horvath, MD, PhD** (85)
- 12:30pm **A Rare Case of Mesenteric Colon Leiomyosarcoma Presenting with Aspecific Lower Abdominal Pain**  
**Zsofia Horvath, MD** and Regusci, L. (86)
- 12:45pm **Questions & Answers**
- 1:00pm **Closing Remarks by the President Elect**  
**Ivan Harangozo, MD**

# **NON-CME PROGRAM**

## **WALK OF FLAME**

**Moderators: Dorottya Nagy-Szakal, MD, PhD and Zsuzsanna Gedeon, LLM**

**1:30pm Part 1: Development and Education**

**Presenters: Gyorgy Baffy, MD, PhD  
Tamas Novak, PhD  
Imre Varju, MD, PhD**

**2:30pm Break**

**3:30pm Part 2: Deployment and Validation**

**4:30pm Adjournment**

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October 25 – October 30, 2020**

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October 24 – October 29, 2021**

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October 23 – October 28, 2022**

**Hungarian Medical Association of America, Inc.**

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