



HELLENIC SOCIETY OF GENE THERAPY
AND REGENERATIVE MEDICINE

Gene and Cell Therapies: new perspectives for old diseases



**26th
November
2021
Web Event**

PROGRAM



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HELLENIC SOCIETY OF GENE THERAPY
AND REGENERATIVE MEDICINE

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WELCOME LETTER

Dear society members, colleagues and friends,

We are privileged to cordially invite you to attend and participate in the Web Event “New Perspectives for Old Diseases” organized by the Hellenic Society of Gene Therapy and Regenerative Medicine on November 26th, 2021. The global COVID-19 pandemic has thwarted the society, for two consecutive years, from organizing a live congress with physical interaction and networking, thus holding a web-based one-day conference, instead. Nevertheless, this year also, our society’s web conference promises to maintain a high quality scientific program with interesting lectures and discussions, covering a wide range of thematic topics in Gene and Cell Therapies and bringing together scientists with different expertise. This top-quality program is addressed to scientists and physicians from various disciplines, motivated students who seek for novel educational and research perspectives, the pharmaceutical industry representing a major stakeholder in the field recently, and policy makers who currently face the challenge of making advanced therapies accessible to all patients.

We encourage all of you who are involved or interested in the field of advanced therapies to join us for the November 26th web event and be part of our growing community. On behalf of myself and the Board of Directors of the Hellenic Society of Gene Therapy and Regenerative Medicine and with the hope that we will be able to convene in person soon, I very much look forward to welcoming and seeing you connected.

Sincerely

Evangelia Yannaki

*President, Hellenic Society of Gene Therapy
and Regenerative Medicine*



Gene and Cell Therapies: new perspectives for old diseases

Hellenic Society of Gene Therapy and Regenerative Medicine
November 26, 2021 - Web Event

PROGRAM

Morning Session

26 November 2021

08:30-10:15 **Clinical Gene Therapy: Progress and limitations**

Chairs: **Achilles Anagnostopoulos, Georgos Vassilopoulos**

- Down Under Developments in Cell and Gene Therapies
for ancient and modern diseases

John Rasko

- Gene Therapy for Hemoglobinopathies:
Successes and new challenges

Evangelia Yannaki

- Spinal Muscular Atrophy

TBA

Panel discussion; Qs & As

sponsored by 

10:15-10:30 Break

10:30-12:30 **New tools, technologies and platforms**

Chairs: **Nikos Anagnou, Takis Athanasopoulos**

- Gene editing 2.0: towards greater safety, efficiency and versatility

Carsten Werner Lederer

- Fine tuning gene therapy viral vectors by leveraging lineage specific enhancers

Nikoleta Psatha

- Artificial intelligence: tool for diagnosis and decision making?

Ioannis Tsamardinos

- Nanoparticles/Biomaterials

Christina Eich

Panel discussion; Qs & As

12:30-12:45 Break



26 November 2021

12:45-14:15 **Organ regeneration**

Chairs: **Evgenios Gousetis, TBA**

- Mechanisms of cardiomyocyte development and regeneration

Konstantinos Hatzistergos

- Cell therapy in hepatic diseases

Maria Roubelakis

- Automated biofabrication of organoid-based tissue implants for skeletal regeneration

Ioannis Papantoniou

Panel discussion; Qs & As

14:15-15:15 Lunch Break

..... **Afternoon Session**

15:15-16:45 **From 2D to 3D models of human brain development and disease**

Chairs: **Rebecca Matsas, TBA**

- The journey from 2D to 3D human models of Parkinson's disease

Rebecca Matsas

- Brain organoids: a novel model system for studying human brain development and disease

Christina Kyrousi

- Translational control of gene-expression in Autism Spectrum Disorders

Christos G. Gkogkas

Panel discussion; Qs & As

16:45-17:00 Break

17:00-19:10 **T-cell immunotherapy for hematological and other diseases**

Chairs: **Alexandros Spyridonidis, Panagiotis Tsirigotis**

- Targeting Lymphomas Using Non-Engineered, Multi-Antigen Specific T

Spyridoula Vasileiou

- CAR T cells in SLE

Dimitrios Mougiakakos

- Design and validation of CAR directed against osteosarcoma

Nadia Mensali

- **The Society's Special Lecture:** CAR-T in Myeloma

Sundar Jagannath

Panel discussion; Qs & As



Chairs - Speakers

Achilles Anagnostopoulos

Director and Head, Haematology Department -BMT Unit - Gene and Cell Therapy Center – Public Cord Blood Bank, George Papanicolaou Hospital, Thessaloniki, Greece

Nikolaos Anagnou

MD, PhD, Professor of Biology, Laboratory of Biology, University of Athens School of Medicine and Group Leader, Laboratory of Cell and Gene Therapy, Foundation for Biomedical Research of the Academy of Athens (IIBEAA), Athens, Greece

Takis Athanasopoulos

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Christina Eich

PhD, Postdoctoral Researcher, Leiden University Medical Center, Leiden, The Netherlands

Christos G. Gkogkas

PhD, Principal Investigator, Foundation for Research & Technology Hellas (FORTH) Biomedical Research Institute (BRI)

Eugenios Gousetis

Pediatric, Haematologist, Oncologist, Director, Stem Cell Transplant Unit, “Agia Sofia” Childrens Hospital, Athens, Greece

Konstantinos Hatzistergos

PhD, Associate Professor, Department of Genetics, Development and Molecular Biology, School of Biology, Faculty of Sciences, Aristotle University of Thessaloniki, Greece, Voluntary Assistant Professor, Department of Cell Biology and Interdisciplinary Stem Cell Institute, Miller School of Medicine, University of Miami, USA

Sundar Jagannath

M.D., FASCO, Mount Sinai Chair for Multiple Myeloma, Professor of Medicine, Icahn School of Medicine at Mount Sinal, Director, Multiple Myeloma Center of Excellence, Tisch Cancer Center Institute Editor-in-Chief, Clinical Lymphoma, Myeloma & Leukemia

Christina Kyrousi

First Department of Psychiatry, Medical School, National and Kapodistrian University of Athens, Greece and University Mental Health, Neurosciences and Precision Medicine Research Institute «Costas Stefanis», Athens, Greece

Carsten Werner Lederer

PhD, Laboratory Scientific Officer and Assistant Professor, Molecular Genetics, Thalassaemia Department, The Cyprus Institute of Neurology and Genetics and The Cyprus School of Molecular Medicine, Nicosia, Cyprus

Rebecca Matsas

Research Director, Head of the Neurobiology Department at the Hellenic Pasteur Institute

Nadia Mensali

PhD, Postdoc in Cellular Therapy (CAR, TCR, vaccines and NK-TCR), Dept. Of Oncology, Oslo University Hospital, Norway

Dimitrios Mougiakakos

MD, PhD, Department of Hematology, Oncology and Stem Cell Transplantation, University of Magdeburg, Germany



Chairs - Speakers

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Associate Professor, Head of the Tissue Engineering Lab, Skeletal Biology & Engineering Research Centre, Department of Development & Regeneration, KU Leuven, Belgium, Prometheus, division of Skeletal Tissue Engineering, KU Leuven, Belgium

Nikoleta Psatha

PhD, Molecular Biologist, Gene therapy Specialist Lab of Computational Biology, VIB-KU Leuven, Belgium

John Rasko

AO BSc(Med), MBBS(Hons), PhD, MAICD, FFSc(RCPA), FRCPA, FRACP, FAHMS Head of Department, Cell & Molecular Therapies, Royal Prince Alfred Hospital, Professor, Faculty of Medicine & Health, The University of Sydney, Head, Gene and Stem Cell Therapy Program, Centenary Institute

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Evangelia Yannaki

Director, Gene and Cell Therapy Center- Hematology Department – Hematopoietic Cell Transplantation Unit – George Papanikolaou Hospital of Thessaloniki; Affiliate Professor, Department of Medicine, University of Washington, Seattle



General Information

Event Name: Gene and Cell Therapies: new perspectives for old diseases

Organizer: Hellenic Society of Gene Therapy and Regenerative Medicine

Date: November 26, 2021

Type of Event: Web only

Language: The official language of the Event will be English

Registration information:

Participation is free.

Certification of attendance will be granted.

Register and watch live via the website of the Hellenic Society of Gene Therapy and Regenerative Medicine, www.generegther.gr and the Event Secretariat website, www.vitacongress.gr.

For more information please contact the Event Secretariat

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