

The background of the entire page is a photograph of a beach at sunset. Numerous tall, thin poles are planted in the sand, each topped with a large, light-colored umbrella. The umbrellas are silhouetted against the bright, orange and yellow sky. In the foreground, the silhouettes of several people are visible, some sitting on the sand and others standing. The sea is visible in the distance under a clear sky.

1st



CONGRESS

HELLENIC SOCIETY
OF GENE THERAPY AND
REGENERATIVE MEDICINE

23-24

SEPTEMBER 2016

HOTEL
ELECTRA PALACE
THESSALONIKI
GREECE

INTERNATIONAL
SYMPOSIUM ON
THE CLINICAL
ADVANCES
OF GENE THERAPY
24 SEPTEMBER 2016

Program



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Invitation

The newly founded HELLENIC SOCIETY OF GENE THERAPY AND REGENERATIVE MEDICINE organizes its Inaugural Meeting in Thessaloniki on September 23-24, 2016. This event aims at both gathering together for the first time all scientists, younger and more experienced, engaging in relevant research in Greece and also mapping the Greek scientific potential in this area. In addition, this meeting will be a forum for the presentation of original research from leading scientists worldwide, also fostering collaborative initiatives. Last but not least, it will offer the Greek authorities and society at large, the opportunity to learn the state-of-the-art in gene-cell therapy and regenerative medicine.

Over the last decade, research in gene and cell therapy and regenerative medicine has led to landmark achievements in difficult to treat diseases including severe immune deficiencies, hemophilia B, cystic fibrosis, leukodystrophy, thalassemia, neurological and cardiovascular disorders, cancer and graft versus host disease. Presently, the research in these fields extends to novel disease targets, while the methodology improves and new cutting-edge technologies are introduced.

Our meeting aims to attract not only scientists active in Greece but also those from abroad. The program of the first day includes an educational Session on basic concepts and protocols, a Session on cell therapies and regenerative medicine, as well as a special Session on legal aspects and regulatory issues for advanced therapies in Greece. The second day is devoted to the International Symposium on Clinical Advances of Gene Therapy. This Symposium focuses on recent important clinical achievements in gene therapy of inherited and acquired diseases and on the emerging new platforms for gene therapy such as genetically modified T cells and genome editing. These seminal achievements in gene therapy will be presented by the key implicated scientists who introduced the entailed approaches.

Thessaloniki is a beautiful and welcoming city with a long tradition in art and letters, the oldest metropolis in Europe with an uninterrupted history of 2300 years and numerous sites of interest in both the city and its surroundings.

We cordially invite you to participate in the 1st Meeting of the HELLENIC SOCIETY OF GENE THERAPY AND REGENERATIVE MEDICINE. We promise a warm welcome and an exciting scientific event.

The Presidents of the

Scientific Committee
George Stamatoyannopoulos

Organizing Committee
Achilles Anagnostopoulos



PROGRAM

Friday, September 23, 2016

08:00 Registrations

08:30-09:30 Educational program

Viral vectors

Georgios Vassilopoulos, MD, PhD, Assistant Professor of Pathology-Hematology, University of Thessalia, University Hospital of Larissa, Larissa, Greece

Non-viral vectors

Aglaia Athanassiadou, PhD, Professor Emeritus of Biology-Molecular Genetics, Dept of General Biology, Medical School, University of Patras, Greece

Gene editing approaches

Nicholas P. 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 (IIBEA), Athens, Greece

09:30-09:55 Break

09:55-11:55 Cellular therapies in the context of HCT

Adoptive cellular therapy after bone marrow transplantation

Alexandros Spyridonidis, MD, PhD, Associate Professor of Haematology, Director of the Bone Marrow Transplantation Unit and of CBMDP (Donor Registry GR2) University of Patras, Rio Patras, Greece

Multi-pathogen specific T-cells

Anastasia Papadopoulou, PhD, Senior Research Associate, Gene and Cell Therapy Center, Hematology Dpt, BMT Unit, G.Papanicolaou Hospital, Thessaloniki, Greece

A suicide gene platform in the haplo-transplantation setting

Evangelia Yannaki, MD, Affiliate Associate Professor, Department of Medicine, University of Washington, Director, Gene and Cell Therapy Center, Hematology Dpt-BMT Unit, G.Papanicolaou Hospital, Thessaloniki, Greece

Immune regulatory cells in GvHD

Dimitrios Mouggiakos, MD, Group Leader, Department of Internal Medicine 5, Haematology and Oncology, University of Erlangen-Nuremberg, Nuremberg, Germany

iNKT cell immunotherapy for haematopoietic stem cell transplantation and B cell lymphomas

Anastasios Karadimitris, PhD, MRCP, FRCPath, Professor of Haematology and Consultant Haematologist, Centre for Haematology, Department of Medicine, Imperial College London, Department of Haematology, Imperial College Healthcare NHS Trust, Hammersmith Hospital, London, UK

11:55-12:20 Break

12:20-13:50 Cellular reprogramming and iPSCs cells

Stochastic and deterministic mechanisms of cellular reprogramming

Dimitrios Thanos, PhD, Adjunct Professor in the Department of Biochemistry and Molecular Biophysics at the College of Physicians & Surgeons of Columbia University, Director of Basic Research and Chairman of the Scientific Board, Biomedical Research Foundation, Academy of Athens, Athens, Greece

Reprogramming of fibroblasts to cardiomyocytes

Mary Tsikitis, PhD, Post-Doctoral fellow, Division of Cell Biology, Center for Basic Research, Biomedical Research Foundation, Academy of Athens, BRFAA, Athens, Greece

Decoding Parkinson's disease in patients' iPSC-derived model

Rebecca Matsa, PhD, Research Director, Head, Department of Neurobiology, Hellenic Pasteur Institute

13:50-14:20 Satellite Lecture (Bristol-Myers Squibb)

14:20-15:20 Lunch Break – Poster Walk

15:20-17:20 Regenerative medicine and Tissue engineering

Stem cell products for tissue repair

Graziella Pellegrini, MD, PhD, Professor of Cell Biology, Head of Cell Therapy Program, Center for Regenerative Medicine, Department of Life Science, University of Modena and Reggio Emilia, Modena, Italy

Adipose stromal cells in osteoarthritis: from pathophysiology to clinical trial

Yves-Marie Pers, MD, MSc, Clinical Immunology and Osteoarticular diseases Therapeutic Unit, Lapeyronie University Hospital, Montpellier, France, Institute for Regenerative Medicine and Biotherapy, INSERM U1183, Montpellier, France

Recent advances on the biology and clinical applications of mesenchymal stem/stromal cells

Maria Roubelakis, DPhil, Assistant Professor, Laboratory of Biology, Medical School of National and Kapodistrian University of Athens, Athens, Greece

Neurotrophins in neurogenesis and neuroprotection: therapeutic applications

Achilleas Gravanis, MD, PhD, Professor of Pharmacology, Medical School, University of Crete, Heraklion, Greece, Researcher, Institute of Molecular Biology and Biotechnology, IMBB-FORTH

17:20-18:20 Oral Presentations

18:20-18:45 Break



18:45-19:45 Regulatory issues for Advanced Cell and Gene Therapies

Development and regulation of Gene and Cell-based Therapeutics

Asterios Tsiftoglou, PhD, Professor of Pharmacology, Department of Pharmaceutical Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece

Regulatory issues of advanced therapies in Greece

Aggeliki Roboti, Head of Biologicals Assessment Section, National Organization for Medicines, Athens, Greece

Advanced Cell and Gene Therapies: Ethical Considerations

Vasiliki Mollaki, Molecular Geneticist, PhD in Genetics, Scientific Associate, Hellenic National Bioethics Commission, Athens, Greece

19:45-20:15 Gene and Cell Therapy Funding Opportunities: The Perspective from the European Commission

Charles Kessler, PhD, Principal Scientific Officer, Health Directorate, Directorate-General for Research and Innovation, European Commission, Brussels

20:30-22:00 Opening Ceremony

Welcome Reception

Saturday, September 24, 2016

INTERNATIONAL SYMPOSIUM ON THE CLINICAL ADVANCES OF GENE THERAPY

08:45-10:45 Gene therapy: Clinical progress on leukodystrophies, cystic fibrosis and retina disorders

Adrenoleukodystrophy

Nathalie Cartier, MD, Director of Research, INSERM, Paris, France, and President, European Society of Gene and Cell Therapy (ESGCT)

Metachromatic leukodystrophy

Alessandra Biffi, MD, PhD, Member of the Faculty of Pediatrics, Boston Children's Hospital and Harvard Medical School, Boston, MA, USA

Gene therapy for cystic fibrosis: moving from bench to bedside

Uta Griesenbach, MD, PhD, Professor of Molecular Medicine, Imperial College London, UK

Gene therapy for retina disorders

Michel Michaelides, BSc, MB, BS, MD (Res), FRCOphth, FACS, Professor of Ophthalmology and Consultant Ophthalmic Surgeon, UCL Institute of Ophthalmology and Moorfields Eye Hospital, UK

10:45-11:15 Break

11:15-12:45 Gene therapy: Clinical progress on hemophilia, severe immunodeficiencies and thalassemia

Hemophilia B: Updates on clinical trials

Amit Nathwani, MD, PhD, Professor of Haematology, UCL Cancer Institute, London, UK

Gene Therapy for immunodeficiencies and learnings from integration sites tracking

Emmanuelle Six, PhD, Senior Research Scientist, INSERM, Imagine Institute, Paris, France

Gene therapy for β -thalassemia: update on the Italian trial

Giuliana Ferrari, PhD, Associate Professor of Molecular Biology and Gene Expression, «Vita-Salute» San Raffaele University Medical School, San Raffaele Telethon Institute for Gene Therapy, Milan, Italy

12:45-13:45 Lunch Break

13:45-15:15 Gene therapy: Clinical progress on Parkinson's disease, neuromuscular and cardiovascular diseases

Gene therapy for Parkinson's disease

Kyriacos Mitrophanous, Chief, Scientific Officer Oxford BioMedica (UK) Ltd, UK

Gene therapy for cardiovascular diseases: from basic science to clinical applications

Seppo Yla-Herttuala, MD, PhD, Professor of Molecular Medicine, Director of the Doctoral Program in Molecular Medicine, Director of the Biocenter Kuopio, University of Eastern Finland, A.I. Virtanen Institute for Molecular Sciences, Department of Biotechnology and Molecular Medicine, Kuopio, Finland

Gene therapy for neuromuscular disorders

Fulvio Mavilio, PhD, Scientific Director Genethon, Evry, France

15:15-15:45 Break

15:45-17:15 Gene therapy: Clinical progress on cancer

Gene-modified T-cells in stem cell transplantation and cancer

Malcolm K. Brenner, MA, MB, BChir, PhD, FRCP, FRCPath, Faye Sarofim Distinguished Service Professor, Center for Cell and Gene Therapy, Baylor College of Medicine, Houston Texas, USA

Virotherapy as a novel treatment approach for solid tumors: measles virus as a translational example

Evanthia Galanis, MD, Professor of Oncology, Medical Oncology, Mayo Clinic - USA

Gene therapy for pancreatic cancer

Pierre Cordelier, MD, PhD, INSERM Research Director, Principal Investigator, President, French Society of Cellular and Gene Therapy, Cancer research center of Toulouse (CRCT) UMR INSERM U1037, Toulouse, France

17:15-17:45 Evolving technologies

Gene editing in human stem cells — from modeling to treating disease

Toni Cathomen, PhD, Professor and Director, Institute for Cell and Gene Therapy, Medical Center, University of Freiburg, Germany

17:45-18:00 Break

18:00-19:00 Oral Presentations

18:00-19:45 Plenary Session - Awards

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HELLENIC SOCIETY GENE THERAPY & REGENERATIVE MEDICINE
INTERNATIONAL SYMPOSIUM
ON THE CLINICAL ADVANCES OF GENE THERAPY

THESSALONIKI, September 23-24, 2016



HELLENIC SOCIETY OF GENE THERAPY AND REGENERATIVE MEDICINE



General information

The 1st Congress of the Hellenic Society of Gene Therapy and Regenerative Medicine will take place in Electra Palace Hotel, Thessaloniki, Greece, on September 23-24, 2016.

► Venue

Electra Palace Hotel
 Address: Aristotelous Square, Thessaloniki
[http:// www.electrahotels.gr](http://www.electrahotels.gr)

► Registrations

Registration may be completed by the following ways:

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► Congress Secretariat

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Participation Form

FIRST NAME: _____ LAST NAME: _____
 AFFILIATION: _____

 HOSPITAL: _____ COUNTRY: _____
 PHONE No: _____ E-MAIL: _____

Categories	Fee
Doctors, Biologists, Biochemists, Other professionals	€ 70
Resident Doctors, Postdoctoral fellows, Postgraduate students	€ 50
Nurses and Technologists	€ 40
Undergraduate students	Free

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