



3rd CONGRESS

GENE THERAPY AND REGENERATIVE MEDICINE

1-2 JUNE 2018

**HOTEL MEDITERRANEAN PALACE
THESSALONIKI, GREECE**

**FINAL PROGRAM
PROCEEDINGS BOOK**

3^ο ΣΥΝΕΔΡΙΟ

ΓΟΝΙΔΙΑΚΗΣ ΘΕΡΑΠΕΙΑΣ & ΑΝΑΓΕΝΝΗΤΙΚΗΣ ΙΑΤΡΙΚΗΣ

ΘΕΣΣΑΛΟΝΙΚΗ, 1-2 Ιουνίου 2018



Διοικητικό Συμβούλιο και Οργανωτική Επιτροπή

Πρόεδρος:	Νικόλαος Π. Ανάγνου
Αναπληρωτής Πρόεδρος:	Γεώργιος Βασιλόπουλος
Γενικός Γραμματέας:	Ευαγγελία Γιαννάκη
Ειδικός Γραμματέας:	Αχιλλέας Γραβάνης
Ταμίας:	Ρεβέκκα Μάτσα
Μέλη:	Αναστασία Παπαδοπούλου Αλέξανδρος Σπυριδωνίδης

Επιστημονική Επιτροπή

Πρόεδρος:	Γεώργιος Βασιλόπουλος
Αντιπρόεδρος:	Ρεβέκκα Μάτσα
Μέλη:	Αχιλλέας Αναγνωστόπουλος Ευαγγελία Γιαννάκη Ειρήνη Παπαπέτρου Αλέξανδρος Σπυριδωνίδης Νεκτάριος Ταβερναράκης Παναγιώτης Τσιριγώτης Νικολέττα Ψαθά



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Γραμματεία: **VitaCongress** B. ΒΟΥΡΑΖΕΡΗΣ & ΣΙΑ Ο.Ε.
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Τηλ.: 2107254360, φαξ.: 2107254363
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Γενικές Πληροφορίες

► Τόπος Συνεδρίου

Το 3^ο Συνέδριο Γονιδιακής Θεραπείας και Αναγεννητικής Ιατρικής θα διεξαχθεί στη Θεσσαλονίκη, στις 1 - 2 Ιουνίου 2018, στο Ξενοδοχείο Mediterranean Palace.

► Διεύθυνση

Ξενοδοχείο Mediterranean Palace
Σαλαμίνας 3 και Καρατάσσου, Θεσσαλονίκη

► Εγγραφές

Οι ενδιαφερόμενοι μπορούν να προβούν στην εγγραφή τους με έναν από τους ακόλουθους τρόπους:

- Στα γραφεία της Γραμματείας
- Με ταχυδρομική επιταγή. Είναι απαραίτητη η συμπλήρωση του Δελτίου Συμμετοχής και η ταχυδρομική αποστολή του - συνοδευόμενου από ταχυδρομική επιταγή - στη Γραμματεία του Συνεδρίου
- Με κατάθεση στον κάτωθι λογαριασμό:

ALPHA BANK, 194002330000040

IBAN: GR0501401940194002330000040

Αποδέκτης: Β. Βουραζέρης & ΣΙΑ Ο.Ε.

Είναι απαραίτητη η συμπλήρωση του Δελτίου Συμμετοχής και η αποστολή του με fax ή e-mail - συνοδευόμενου από το αποδεικτικό κατάθεσης - στη Γραμματεία του Συνεδρίου

► Γραμματεία Συνεδρίου

VitaCongress Β. Βουραζέρης & ΣΙΑ Ο.Ε.

Παπαδιαμαντοπούλου 4 & Βασ. Σοφίας, 11528 Αθήνα

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ΘΕΣΣΑΛΟΝΙΚΗ, 1-2 Ιουνίου 2018



► Δικαίωμα συμμετοχής

Δικαίωμα συμμετοχής στο συνέδριο έχουν οι εγγραφέντες σε αυτό.

Το αντίτιμο της εγγραφής ορίσθηκε ως εξής:

Κατηγορία	Ποσό*
Ειδικευμένοι Ιατροί	100 Ευρώ
Βιολόγοι, Βιοχημικοί / Λοιποί Επαγγελματίες Υγείας	70 Ευρώ
Ειδικευόμενοι Ιατροί	50 Ευρώ
Νοσηλευτές	40 Ευρώ
Μεταπτυχιακοί Φοιτητές / Μεταδιδάκτορες	Δωρεάν
Τεχνολόγοι	Δωρεάν
Προπτυχιακοί Φοιτητές	Δωρεάν

*στις ανωτέρω τιμές δεν συμπεριλαμβάνεται Φ.Π.Α.

Η εγγραφή καλύπτει:

- Την παραλαβή του folder με το πρόγραμμα - τόμο περιλήψεων του Συνεδρίου και των λοιπών εντύπων.
- Την παρακολούθηση του Επιστημονικού Προγράμματος.
- Το Πιστοποιητικό παρακολούθησης του Συνεδρίου (μοριοδοτούμενο από τον Πανελλήνιο Ιατρικό Σύλλογο).



Ευχαριστίες

Ευχαριστούμε θερμά τις Χορηγούς Εταιρείες



Χορηγός επικοινωνίας



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ΘΕΣΣΑΛΟΝΙΚΗ, 1-2 Ιουνίου 2018



ΠΡΟΓΡΑΜΜΑ

Παρασκευή, 1 Ιουνίου 2018

08.30-10.00 Εκπαιδευτικό Πρόγραμμα

Προεδρείο: Α. Αθανασιάδου, Ε. Παπανικολάου

10 Years of iPS cells: tools and applications

Γεωργία Κουρούπη, Αθήνα

CAR T κύτταρα

Γεώργιος Βασιλόπουλος, Λάρισα

Gene editing for hematological diseases

Carsten Lederer, Nicosia, Cyprus

10.00-10.20 Διάλειμμα - Καφές

10.20-12.20 New Tools and Technologies

Προεδρείο: Τ. Αθανασόπουλος, Ε. Γιαννάκη

Sleeping Beauty transposon systems and therapeutic applications

Zsuzsanna Izsvák, Berlin-Buch, Germany

Site-specific gene targeting without nucleases

Adi Barzel, Tel-Aviv, Israel

Epigenome modifiers

Claudio Mussolino, Freiburg, Germany

Pancreatic organoids

Alexander Kleger, Ulm, Baden-Württemberg, Germany

12.20-12.45 Διάλειμμα - Καφές

12.45-13.45 Προφορικές Ανακοινώσεις

Προεδρείο: Α. Παπαδοπούλου, Ε. Σταύρου

13.45-15.00 Διάλειμμα - Γεύμα



Παρασκευή, 1 Ιουνίου 2018

**15.00-17.00 Advanced Therapy Medicinal Products (ATMP):
The Academia, the Industry, the Regulatory
and the Socio-Economic perspective**

Προεδρείο: Α. Τσιφτσόγλου, Μ. Παπαδάκη

The Academia perspective

Νικόλαος Ανάγνου, Αθήνα

The Industry perspective

Τάκης Αθανασόπουλος, Hertfordshire, UK

The Regulatory perspective

Αγγελική Ρομποτή, Αθήνα

The Socio-economic perspective

Ιωάννης Υφαντόπουλος, Αθήνα

17.00-17.30 Διάλειμμα - Καφές

17.30-19.00 Regenerative Therapies

Προεδρείο: Ρ. Μάτσα, Π. Πολίτης

Junctional epidermolysis bullosa

Graziella Pellegrini, Modena, Italy

Cell-mediated gene therapy for Duchenne muscular dystrophy

Giulio Cossu, Manchester, UK

Neurogenic compounds

Αχιλλέας Γραβάνης, Κρήτη

19.00-19.10 Διάλειμμα - Καφές

19.10-20.00 Τελετή Έναρξης

Χαιρετισμοί

Εναρκτήρια Διάλεξη

Προεδρείο: Ν. Ανάγνου

Ageing mechanisms and countermeasures

Νεκτάριος Ταβερναράκης, Κρήτη

20.00-22.00 Δεξίωση Υποδοχής

3^ο ΣΥΝΕΔΡΙΟ

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Σάββατο, 2 Ιουνίου 2018

09.00-10.30 **Cord Blood Potential**

Προεδρείο: **A. Αναγνωστόπουλος**

Cord blood banking: Altruistic vs autologous donation

Αχιλλέας Αναγνωστόπουλος, Θεσσαλονίκη

CBU-derived MSCs for cell therapies

Ελένη Παπαδάκη, Κρήτη

Recycling non-transplantable CBUs

to simultaneously target leukemia and viruses

Αναστασία Παπαδοπούλου, Θεσσαλονίκη

10.30-10.45 **Διάλειμμα - Καφές**

10.45-12.15 **Gene and Cell Therapy: Recent progress**

Προεδρείο: **Γ. Βασιλόπουλος, Α. Κρετσόβαλη**

Hemophilia: More curative prospects

Thierry van den Driessche, Brussels, Belgium

Spinal muscular atrophy: A rare disease success story

Mimoun Azzouz, Sheffield, UK

Retinal cell therapy-derivation of retinal pigment epithelium cells from human embryonic stem cells: from basic research to clinical application in patients with dry age-related macular degeneration

Eyal Banin, Jerusalem, Israel

12.15-12.30 **Διάλειμμα - Καφές**

12.30-13.00 **Satellite Lecture - NOVARTIS**

Προεδρείο: **Ε. Γιαννάκη**

Advances in immunocellular therapies: Focus on the management of R/R DLBCL patients

Georg Hopfinger, Vienna, Austria

13.00-14.00 **Διάλειμμα - Γεύμα**

14.00-15.00 **Προφορικές Ανακοινώσεις**

Προεδρείο: **Ε. Δρακοπούλου, Μ. Ρουμπελάκη**



Σάββατο, 2 Ιουνίου 2018

15.00-16.00 Biomaterials in regenerative medicine

Προεδρείο: Α. Γραβάνης, Δ. Τζεράνης

Functional biomaterials for bone regeneration

Μαρία Χατζηνικολαΐδου, Κρήτη

Accelerated development of physiologically relevant advanced therapy medicinal products

Dimitrios Zeugolis, Galway, Ireland

16.00-16.30 Διάλειμμα - Καφές

16.30-18.00 Cancer Immuno-gene Therapy

Προεδρείο: Κ. Κωνσταντόπουλος, Α. Σπυριδωνίδης

T cell immunotherapy in the allo-hemopoietic cell transplantation setting

Patrick Hanley, Washington DC, USA

CRISPR/Cas9 TCR-edited T cells for cancer

Garry Dolton, Cardiff, Wales

Enabling CAR T cell therapy through closed-system manufacturing

Nadine Mockel-Tenbrinck, Bergisch Gladbach, Germany

18.00-18.45 Αναρτημένες Ανακοινώσεις

19.00-19.30 Δορυφορική Διάλεξη - Bristol-Myers Squibb

Προεδρείο: Γ. Βασιλόπουλος

Μεταβαίνοντας από την κλινική δοκιμή CheckMate-205

στις προκλήσεις της καθημερινής κλινικής πράξης:

Κλινικά περιστατικά λεμφώματος Hodgkin

Νίκη Σταυρογιάννη, Θεσσαλονίκη

19.30-19.45 Διάλειμμα - Καφές

19.45-20.30 The President's Guest Lecture

Προεδρείο: Ν. Ανάγου

Advanced genetic engineering of hematopoiesis to treat human diseases

Luigi Naldini, Milan, Italy

20.30-21.00 Παρουσίαση Επιλεγμένων Ανακοινώσεων - Βραβεία

Προεδρείο: Ν. Ανάγνου, Γ. Βασιλόπουλος

21.00-21.30 Γενική Συνέλευση Μελών

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Πρόεδροι - Ομιλητές

Takis Athanasopoulos	PhD, Head of Transgene Delivery, Cell & Gene Therapy Discovery Research Platform Technology & Sciences, GSK, Medicines Research Centre, Hertfordshire, UK
Mimoun Azzouz	Chair of Translational Neuroscience ERC Advanced Fellow Director of Research & Innovation, Deputy Head Neurology Unit, Sheffield Institute for Translational Neuroscience University of Sheffield, Sheffield, UK
Eyal Banin	MD, PhD, Professor of Ophthalmology, Director, Center for Retinal and Macular Degenerations, Department of Ophthalmology, Hadassah-Hebrew University Medical Center, Israel
Adi Barzel	PhD, President Elect of The Israeli Society of Gene and Cell Therapy Senior Lecturer, Dept. of Biochemistry and Molecular Biology, Life Sciences Faculty, University of Tel-Aviv, Israel
Giulio Cossu	MD, FMedSci Constance Thornley Professor of Regenerative Medicine Division of Cell Matrix Biology & Regenerative Medicine Faculty of Biology, Medicine and Health, University of Manchester, Manchester Academic Health Science Centre, Manchester, UK
Garry Dolton	Research Associate, Division of Infection and Immunity, Henry Wellcome Building Cardiff University School of Medicine, Cardiff, Wales
Patrick Hanley	Director, Cellular Therapy Laboratory, Assistant Professor of Pediatrics Childrens' National Health System, The George Washington University, Washington DC, USA
Georg Hopfinger	Priv. Doz. Dr., Bone Marrow Transplant Unit (BMT), Department of Internal Medicine I, Medical University of Vienna, Austria
Zsuzsanna Izsvák	PhD, D Sc, Max Delbrück Center for Molecular Medicine (MDC) Berlin-Buch/Germany
Alexander Kleger	Senior Physician, Universität Ulm - Clinic of Internal Medicine, Ulm, Baden-Württemberg, Germany
Carsten W. Lederer	PhD, Assistant Professor and Course Coordinator, The Cyprus Institute of Neurology and Genetics and Cyprus School of Molecular Medicine, Department of Molecular Genetics Thalassaemia, Nicosia, Cyprus
Nadine Mockel-Tenbrinck	Miltenyi Biotec GmbH, Germany



Πρόεδροι - Ομλητές

Claudio Mussolino

PhD, University of Freiburg Medical Center, Institute for Transfusion Medicine and Gene Therapy and Center for Chronic Immunodeficiency, Center for Translational Cell Research, Freiburg, Germany

Luigi Naldini

Director and Scientific Director, San Raffaele Telethon Institute for Gene Therapy, Professor of Cell and Tissue Biology and Gene and Cell Therapy "Vita Salute San Raffaele", University School of Medicine, Milan, Italy

Graziella Pellegrini

MD, PhD, Professor of Cell Biology, Head of Cell Therapy Program Center for Regenerative Medicine, Department of Surgery, Medicine, Odontology and Morphological Sciences, University of Modena e Reggio Emilia, Modena, Italy

Thierry Vandendriessche

PhD, Professor, Free University of Brussel (VUB), Brussels, Belgium

Dimitrios Zeugolis

PhD, Director of the Regenerative, Modular and Developmental Engineering Laboratory (REMODEL), Lecturer in Biomedical Engineering (Biomaterials), NUI Galway, Galway, Ireland

Αγλαΐα Αθανασιάδου

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Εκάτη Δρακοπούλου

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3^ο ΣΥΝΕΔΡΙΟ

ΓΟΝΙΔΙΑΚΗΣ ΘΕΡΑΠΕΙΑΣ & ΑΝΑΓΕΝΝΗΤΙΚΗΣ ΙΑΤΡΙΚΗΣ

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Πρόεδροι - Ομιλητές

Γεωργία Κουρούπη	Μεταδιδακτωρική Ερευνήτρια, Εργαστήριο Κυτταρικής και Μοριακής Νευροβιολογίας, Ελληνικό Ινστιτούτο Παστέρ, Αθήνα
Ανδρονίκη Κρετσόβαλη	Ερευνήτρια, Ινστιτούτο Μοριακής Βιολογίας και Βιοτεχνολογίας ΙΤΕ, Κρήτη
Κωνσταντίνος Κωνσταντόπουλος	Καθηγητής Παθολογίας - Αιματολογίας Ε.Κ.Π.Α., Αιματολογική Κλινική, Γ.Ν. Λαϊκό, Αθήνα
Ελένη Παπαδάκη	Καθηγήτρια Αιματολογίας Πανεπιστημίου Κρήτης, Διευθύντρια, Αιματολογική Κλινική, Πα.Γ.Ν.Η., Ηράκλειο, Κρήτη
Αναστασία Παπαδοπούλου	Βιοχημικός, PhD, Αιματολογική Κλινική - Μ.Μ.Μ.Ο., Μονάδα Γονιδιακής και Κυτταρικής Θεραπείας, Γ.Ν. Γ. Παπανικολάου, Θεσσαλονίκη
Ελένη Παπανικολάου	Λέκτωρ Βιολογίας και Γονιδιακής Θεραπείας, Εργαστήριο Βιολογίας, Ιατρική Σχολή Πανεπιστημίου Αθηνών, Αθήνα και Εργαστήριο Κυτταρικής και Γονιδιακής Θεραπείας, ΙΙΒΕΑΑ, Αθήνα
Παναγιώτης Πολίτης	Καθηγητής Μοριακής Βιολογίας και Ερευνητής Γενετικής, Ίδρυμα Ιατροβιολογικών Ερευνών Ακαδημίας Αθηνών, Αθήνα
Αγγελική Ρομποτή	Φαρμακοποιός, Προϊσταμένη Τμήματος Αξιολόγησης Βιολογικών Προϊόντων της Διεύθυνσης Αξιολόγησης Προϊόντων του ΕΟΦ, Αθήνα
Μαρία Ρουμπελάκη	Επίκουρη Καθηγήτρια Αναπτυξιακής Βιολογίας, Εργαστήριο Βιολογίας, Ιατρική Σχολή Ε.Κ.Π.Α. και Εργαστήριο Κυτταρικής και Γονιδιακής Θεραπείας, ΙΙΒΕΑΑ, Αθήνα
Αλέξανδρος Σπυριδωνίδης	Καθηγητής Αιματολογίας Πανεπιστημίου Πατρών, Μ.Μ.Μ.Ο., Π.Γ.Ν. Πάτρας, Πάτρα
Νίκη Σταυρογιάννη	Αιματολόγος, Διευθύντρια, Αιματολογική Κλινική και Μονάδα Μεταμόσχευσης Μυελού των Οστών, Γ.Ν. Γ. Παπανικολάου, Θεσσαλονίκη
Ελέανα Σταύρου	PhD, Μοριακός Γενετιστής, Εργαστήριο Γενικής Βιολογίας, Ιατρική Σχολή, Πανεπιστήμιο Πατρών, Πάτρα
Νεκτάριος Ταβερναράκης	Πρόεδρος Διοικητικού Συμβουλίου, Ίδρυμα Τεχνολογίας και Έρευνας (ΙΤΕ), Διευθυντής Ερευνών, Ινστιτούτο Μοριακής Βιολογίας και Βιοτεχνολογίας, ΙΤΕ, Καθηγητής Μοριακής Βιολογίας Συστημάτων, Ιατρική Σχολή, Πανεπιστήμιο Κρήτης
Δημήτριος Τζεράνης	Ερευνητής, Ινστιτούτο Μοριακής Βιολογίας και Βιοτεχνολογίας ΙΤΕ, Κρήτη
Αστέριος Τσιφτσόγλου	Καθηγητής Φαρμακολογίας Α.Π.Θ., Εργαστήριο Φαρμακολογίας - Φαρμακευτική Σχολή, Α.Π.Θ.



Πρόεδροι - Ομιλητές

Ιωάννης Υφαντόπουλος

Καθηγητής Οικονομικών της Υγείας, Πανεπιστήμιο Αθηνών,
Αθήνα

Μαρία Χατζηνικολαΐδου

Επίκουρη Καθηγήτρια Βιοϋλικών Πανεπιστημίου Κρήτης, Τμήμα
Επιστήμης και Τεχνολογίας Υλικών, Ηράκλειο, Κρήτη

3^ο ΣΥΝΕΔΡΙΟ ΓΟΝΙΔΙΑΚΗΣ ΘΕΡΑΠΕΙΑΣ & ΑΝΑΓΕΝΝΗΤΙΚΗΣ ΙΑΤΡΙΚΗΣ

ΘΕΣΣΑΛΟΝΙΚΗ, 1-2 Ιουνίου 2018



The President's Guest Keynote Speakers



Nektarios Tavernarakis is the Director of the Institute of Molecular Biology and Biotechnology, at the Foundation for Research and Technology, and Professor of Molecular Systems Biology at the Medical School of the University of Crete, in Heraklion, Greece. He is the Director of the Graduate Program on Bioinformatics, at the Medical School of the University of Crete, and is also heading the Neurogenetics and Ageing laboratory of the Institute. He is an elected member of the Scientific Council of the European Research Council (ERC), the European Molecular Biology Organization (EMBO), and Academia Europaea. He earned his Ph.D. degree at the University of Crete, and trained as a post-doctoral researcher at Rutgers University in New Jersey, USA. His research focuses on the molecular mechanisms of necrotic cell death and neurodegeneration, the interplay between cellular metabolism and ageing, the mechanisms of sensory transduction and integration by the nervous system, and the development of novel genetic tools for biomedical research. For his scientific accomplishments, he has received several notable scientific prizes, including an Innovation-supporting ERC Proof of Concept Grant and two ERC Advanced Investigator Grants (in 2009 and 2016). He is one of the first in Europe, and until now the only one in Greece, to have been awarded this highly competitive and prestigious grant twice. He is also the recipient of the EMBO Young Investigator award, the Alexander von Humboldt Foundation, Friedrich Wilhelm Bessel research award, the Bodossaki Foundation Scientific Prize for Medicine and Biology, the Empeirikeion Foundation Academic Excellence Prize, the Research Excellence award of the Foundation for Research and Technology, the BioMedical Research Award of the Academy of Athens, the International Human Frontier in Science Program Organization (HFSP) long-term Postdoctoral Fellowship, and the Dr. Frederick Valergakis PostGraduate Research Grant Program Academic Achievement Award of the Hellenic University Club of New York. For more information, please visit: <http://www.elegans.gr/>.



Luigi Naldini, M.D., Ph.D., is Professor of Cell and Tissue Biology and of Gene and Cell Therapy at the San Raffaele University School of Medicine and Scientific Director of the San Raffaele Telethon Institute for Gene Therapy, Milan, Italy.

He has pioneered the development and applications of lentiviral vectors for gene transfer, which have become one of the most widely used tool in biomedical research and, upon recently entering clinical testing, are providing a long sought hope of cure for several currently untreatable and otherwise deadly human diseases. Since then he has continued to investigate new strategies to overcome the major hurdles to safe and effective gene transfer, translate then into new therapeutic strategies for genetic disease and cancer, and allowed new insights into hematopoietic stem cell function, induction of immuno-

logical tolerance and tumor angiogenesis. His work also contributed to advance the use of artificial nucleases for targeted genome editing in cell and gene therapy.

He is Member of the European Molecular Biology Organization (EMBO), has been President of the European Society of Gene and Cell Therapy (ESGCT), and has been appointed as expert on the "Human Gene Editing Study" of the US National Academies of Sciences and of Medicine, and on the Italian National Committee for Biosafety, Biotechnology and Life Sciences. He was awarded a European Research Council Advanced Investigator Grant (ERC) in 2009, the Outstanding Achievement Award from the American Society of Gene and Cell Therapy (ASGCT) in 2014 and from ESGCT in 2015, an Honorary doctorate from the Vrije University, Brussel, in 2015, the Jimenez Diaz Prize in 2016, and the Beutler Prize from the American Society of Hematology (ASH) in 2017. Has published 252 scientific papers cited >33,000 times. SCOPUS Author h-index: 86



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3rd CONGRESS

HELLENIC SOCIETY GENE THERAPY & REGENERATIVE MEDICINE

THESSALONIKI, June 1-2, 2018



Information

► Place

The 3rd Congress of Gene Therapy and Regenerative Medicine will take place in Thessaloniki, Greece, on June 1 and 2, 2018 at the Mediterranean Palace Hotel.

► Address

Hotel Mediterranean Palace
3 Salaminos Street and Karatassou street, Thessaloniki, Greece

► Congress Secretariat

VitaCongress V. Vourazeris & Co O.E.

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PROGRAM

Friday, 1 June 2018

08.30-10.00 Educational Program

Chairs: A. Athanasiadou, E. Papanikolaou

iPs cells

Georgia Kouroupi, Athens, Greece

CART cells

George Vassilopoulos, Larisa, Greece

Gene editing for hematological diseases

Carsten Lederer, Nicosia, Cyprus

10.00-10.20 Coffee break

10.20-12.20 New Tools and Technologies

Chairs: T. Athanasopoulos, E. Yannaki

***Sleeping Beauty* transposon systems and therapeutic applications**

Zsuzsanna Izsvák, Berlin-Buch, Germany

Site-specific gene targeting without nucleases

Adi Barzel, Tel-Aviv, Israel

Epigenome modifiers

Claudio Mussolino, Freiburg, Germany

Pancreatic organoids

Alexander Kleger, Ulm, Baden-Württemberg, Germany

12.20-12.45 Coffee break

12.45-13.45 Oral Presentations

Chairs: A. Papadopoulou, E. Stavrou

13.45-15.00 Lunch break

15.00-17.00 Advanced Therapy Medicinal Products (ATMP):



Friday, 1 June 2018

**The Academia, the Industry, the Regulatory
and the Socio-Economic perspective**

Chairs: A. Tsiftoglou, M. Papadaki

The Academia perspective

Nicholas Anagnou, Athens, Greece

The Industry perspective

Takis Athanasopoulos, Hertfordshire, UK

The Regulatory perspective

Angeliki Roboti, Athens, Greece

The Socio-economic perspective

Ioannis Yfantopoulos, Athens, Greece

17.00-17.30 Coffee break

17.30-19.00 Regenerative Therapies

Chairs: R. Matsas, P. Politis

Junctional epidermolysis bullosa

Graziella Pellegrini, Modena, Italy

Cell-mediated gene therapy for Duchenne muscular dystrophy

Giulio Cossu, Manchester, UK

Neurogenic compounds

Achilleas Gravanis, Heraklion Crete, Greece

19.00-19.10 Coffee break

19.10-20.00 Opening Ceremony

Welcome Addresses

Keynote Lecture

Chair: N. Anagnou

Ageing mechanisms and countermeasures

Nektarios Tavernarakis, Heraklion Crete, Greece

20.00-22.00 Welcome Reception

3rd CONGRESS

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Saturday, 2 June 2018

09.00-10.30 Cord Blood Potential

Chair: A. Anagnostopoulos

Cord blood banking: Altruistic vs autologous donation

Achilles Anagnostopoulos, Thessaloniki, Greece

CBU-derived MSCs for cell therapies

Eleni Papadaki, Heraklion Crete, Greece

Recycling non-transplantable CBUs

to simultaneously target leukemia and viruses

Anastasia Papadopoulou, Thessaloniki, Greece

10.30-10.45 Coffee break

10.45-12.15 Gene and Cell Therapy: Recent progress

Chair: G. Vassilopoulos

Hemophilia: More curative prospects

Thierry van den Driessche, Brussels, Belgium

Spinal muscular atrophy: A rare disease success story

Mimoun Azzouz, Sheffield, UK

Retinal cell therapy-derivation of retinal pigment epithelium cells from human embryonic stem cells: from basic research to clinical application in patients with dry age-related macular degeneration

Eyal Banin, Jerusalem, Israel

12.15-12.30 Coffee break

12.30-13.00 Satellite Lecture - NOVARTIS

Chair: E. Yannaki

Advances in immunocellular therapies: Focus on the management of R/R DLBCL patients

Georg Hopfinger, Vienna, Austria

13.00-14.00 Lunch break

14.00-15.00 Oral Presentations

Chairs: E. Drakopoulou, M. Roubelaki



Saturday, 2 June 2018

15.00-16.00 Biomaterials in regenerative medicine

Chairs: A. Gravanis, D. Tzeranis

Functional biomaterials for bone regeneration

Maria Chatzinikolaïdou, Heraklion Crete, Greece

Accelerated development of physiologically relevant advanced therapy medicinal products

Dimitrios Zeugolis, Galway, Ireland

16.00-16.30 Coffee break

16.30-18.00 Cancer Immuno-gene Therapy

Chair: K. Konstantopoulos, A. Spyridonidis

T cell immunotherapy in the allo-hemopoietic cell transplantation setting

Patrick Hanley, Washington DC, USA

CRISPR/Cas9 TCR-edited T cells for cancer

Garry Dolton, Cardiff, Wales

Enabling CART cell therapy through closed-system manufacturing

Nadine Mockel-Tenbrinck, Bergisch Gladbach, Germany

18.00-18.45 Poster Presentation

19.00-19.30 Satellite Lecture - Bristol-Myers Squibb

Chairs: George Vassilopoulos

Moving from CheckMate-205 to challenges of everyday clinical practice:

Clinical cases of Hodgkin lymphoma

Niki Stavrogianni, Thessaloniki, Greece

19.30-19.45 Coffee break

19.45-20.30 The President's Guest Keynote Lecture

Chair: N. Anagnou

Advanced genetic engineering of hematopoiesis to treat human diseases

Luigi Naldini, Milan, Italy

20.30-21.00 Plenary Session - Awards

Chairs: N. Anagnou, G. Vassilopoulos

21.00-21.30 General Assembly

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Chairs - Speakers

Achilles Anagnostopoulos	President, Lymphoma-Myeloma WP of the Hellenic Society of Haematology, Director and Head, Haematology Department - BMT Unit - Gene and Cell Therapy Centre – Public Cord Blood Bank, George Papanicolaou Hospital, Thessaloniki, Greece
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 (IIBEAA), Athens, Greece
Aglaia Athanasiadou	PhD, Professor Emeritus of Biology-Molecular Genetics, Dept. of General Biology, Medical School, University of Patras, Greece
Takis Athanasopoulos	PhD, Head of Transgene Delivery, Cell & Gene Therapy Discovery Research Platform Technology & Sciences, GSK, Medicines Research Centre, Hertfordshire, UK
Mimoun Azzouz	Chair of Translational Neuroscience ERC Advanced Fellow Director of Research & Innovation , Deputy Head Neurology Unit, Sheffield Institute for Translational Neuroscience University of Sheffield, Sheffield, UK
Eyal Banin	MD, PhD, Professor of Ophthalmology, Director, Center for Retinal and Macular Degenerations, Department of Ophthalmology, Hadassah-Hebrew University Medical Center, Israel
Adi Barzel	PhD, President Elect of The Israeli Society of Gene and Cell Therapy Senior Lecturer, Dept. of Biochemistry and Molecular Biology, Life Sciences Faculty, University of Tel-Aviv, Israel
Maria Chatzinikolaidou	MD, PhD, Assistant Professor, Department of Materials Science and Technology, University of Crete, Heraklion, Greece
Giulio Cossu	MD, FMedSci Constance Thornley Professor of Regenerative Medicine Division of Cell Matrix Biology & Regenerative Medicine Faculty of Biology, Medicine and Health, University of Manchester, Manchester Academic Health Science Centre, Manchester, UK
Garry Dolton	Research Associate Division of Infection and Immunity, Henry Wellcome Building, Cardiff University School of Medicine, Cardiff, Wales



Chairs - Speakers

Ekati Drakopoulou	Biologist, Laboratory of Cell and Gene Therapy, Foundation for Biomedical Research of the Academy of Athens (IIBEAA), Athens, Greece
Achilleas Gravanis	Professor of Pharmacology, Medical School University of Crete, Researcher, Institute of Molecular Biology and Biotechnology IMBBFORTH, Heraklion, Greece
Patrick Hanley	Director, Cellular Therapy Laboratory, Assistant Professor of Pediatrics Childrens' National Health System, The George Washington University, Washington DC, USA
Georg Hopfinger	Priv. Doz. Dr., Bone Marrow Transplant Unit (BMT), Department of Internal Medicine I, Medical University of Vienna, Austria
Zsuzsanna Izsvák	PhD, D Sc, Max Delbrück Center for Molecular Medicine (MDC) Berlin-Buch/Germany
Alexander Kleger	Senior Physician, Universität Ulm - Clinic of Internal Medicine, Ulm, Baden-Württemberg, Germany
Konstantinos Konstantopoulos	Professor of Medicine and Haematology, National and Kapodistrian University of Athens, Department of Haematology, Laikon Hospital, Athens, Greece
Georgia Kouroupi	Postdoctoral Researcher, Laboratory of Cellular and Molecular Neurobiology, Greek Institute of Pasteur, Athens, Greece
Androniki Kretsovali	Researcher, Institute of Molecular Biology and Biotechnology IMBBFORTH, Heraklion, Crete, Greece
Carsten W. Lederer	PhD, Assistant Professor and Course Coordinator, The Cyprus Institute of Neurology and Genetics and Cyprus School of Molecular Medicine, Department of Molecular Genetics Thalassemia, Nicosia, Cyprus
Rebecca Matsas	PhD, Research Director, Head, Department of Neurobiology, The Hellenic Pasteur Institute, Athens, Greece
Nadine Mockel-Tenbrinck	Miltenyi Biotec GmbH, Germany
Claudio Mussolino	PhD, University of Freiburg Medical Center, Institute for Transfusion Medicine and Gene Therapy and Center for Chronic Immunodeficiency, Center for Translational Cell Research, Freiburg, Germany

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THESSALONIKI, June 1-2, 2018



Chairs - Speakers

Luigi Naldini	Director and Scientific Director, San Raffaele Telethon Institute for Gene Therapy, Professor of Cell and Tissue Biology and Gene and Cell Therapy "Vita Salute San Raffaele", University School of Medicine, Milan, Italy
Eleni Papadaki	MD, PhD, Professor of Haematology, School of Medicine, University of Crete, Head of the Department of Haematology, University Hospital of Heraklion, Heraklion, Crete, Greece
Magdalini Papadaki	PhD, MSc Pharmacology-Oxford, MPhil Bioenterprise Cambridge, Head of Product and Process Innovation, The Association of the British Pharmaceutical Industry, London, UK
Anastasia Papadopoulou	PhD, Biochemist, Hematology Department - Bone Marrow Transplantation Unit, George Papanicolaou Hospital, Thessaloniki, Greece
Eleni Papanikolaou	Lecturer of Biology and Gene Therapy, Laboratory of Biology, University of Athens School of Medicine and Laboratory of Cell and Gene Therapy, Foundation for Biomedical Research of the Academy of Athens (IIBEAA), Athens, Greece
Graziella Pellegrini	MD, PhD, Professor of Cell Biology, Head of Cell Therapy Program Center for Regenerative Medicine, Department of Surgery, Medicine, Odontoiatry and Morphological Sciences, University of Modena e Reggio Emilia, Modena, Italy
Panagiotis Politis	Principal Investigator-Assistant Professor Level Center for Basic Research Biomedical Research Foundation of the Academy of Athens (IIBEAA), Athens, Greece
Angeliki Roboti	Pharmacist, Head of Biologicals Department, Evaluation Division National Organization for Medicines – EOF, Athens, Greece
Maria Roubelaki	DPhil, Assistant Professor, Laboratory of Biology, Medical School of National and Kapodistrian University of Athens, Athens, and Laboratory of Cell and Gene Therapy, Foundation for Biomedical Research of the Academy of Athens (IIBEAA), Athens, Greece
Alexandros Spyridonidis	MD, PhD, Professor of Haematology, Director of the Bone Marrow Transplantation Unit and of CBMDP (Donor Registry GR2) University of Patras, Rio Patras, Greece
Niki Stavrogianni	Haematologist, Hematology Department-Bone Marrow Transplantation Unit, G. Papanikolaou Hospital, Thessaloniki, Greece



Chairs - Speakers

Eleana Stavrou

PhD, Molecular Genetist, Laboratory of General Biology, Medical School, University of Patras, Patras, Greece

Nektarios Tavernarakis

PhD, Chairman of the Board of Directors Foundation for Research and Technology-Hellas (FORTH), Research Director Institute of Molecular Biology and Biotechnology (IMBB), Professor of Molecular Systems Biology Medical School, Department of Basic Sciences, University of Crete, Heraklio, Crete, Greece

Asterios Tsiftoglou

MSci, M. Phil., PhD, Professor of Pharmacology, School of Pharmacology, Aristotle University of Thessaloniki, Greece

Dimitrios Tzeranis

Researcher, Neural Tissue Engineering Lab, FORTH, Institute of Molecular Biology and Biotechnology Heraklio, Crete, Greece

Thierry Vandendriessche

Professor, Free University of Brussel (VUB), Brussels, Belgium

George Vassilopoulos

PhD, Professor of Hematology - Internal Medicine, University of Thessalia, University Hospital of Larissa, Group Leader, Laboratory of Cell and Gene Therapy, Foundation for Biomedical Research of the Academy of Athens (IIBEAA), Athens, Greece

Evangelia Yannaki

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Ioannis Yfantopoulos

Professor of Health Economics and Social Policy, University of Athens, Athens, Greece

Dimitrios Zeugolis

PhD, Director of the Regenerative, Modular and Developmental Engineering Laboratory (REMODEL), Lecturer in Biomedical Engineering (Biomaterials), NUI Galway, Galway, Ireland