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9th International Conference and Exhibition on

Advanced Cell and Gene Therapy

March 21-22, 2019
Rome, Italy



SCIENTIFIC PROGRAM

DAY 1
Thursday, 21st March

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50 Meeting Hall 01 **KEYNOTE LECTURES**

MEETING HALL 01

11:50-13:10 **Talks On:**

- Cell Therapy
- Gene Therapy
- Stem Cell Therapies
- Cell Culture and Bioprocessing

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

MEETING HALL 01

14:00-16:00 **Talks On:**

- Viral Gene Therapy
- Cell and Gene Therapy for Rare & Common Diseases
- Tissue Science & Regenerative Medicine
- Molecular Basis of Epigenetics

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers in Cell Therapy	Workshop

DAY 2
Friday 22nd March

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

MEETING HALL 01

10:50-12:50 **Talks On:**

- Cell Culture and Bioprocessing
- Viral Gene Therapy
- Cell and Gene Therapy for Rare & Common Diseases
- Tissue Science & Regenerative Medicine

12:50-13:35 LUNCH BREAK

MEETING HALL 01

13:35-15:55 **Talks On:**

- Molecular Basis of Epigenetics
- Bioengineering Therapeutics
- Cell Science and Stem Cell Research
- Clinical Trials on Cell & Gene Therapy

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	Workshop

Awards & Closing Ceremony

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Rome Attractions



Glimpses of Cell Therapy Conferences

















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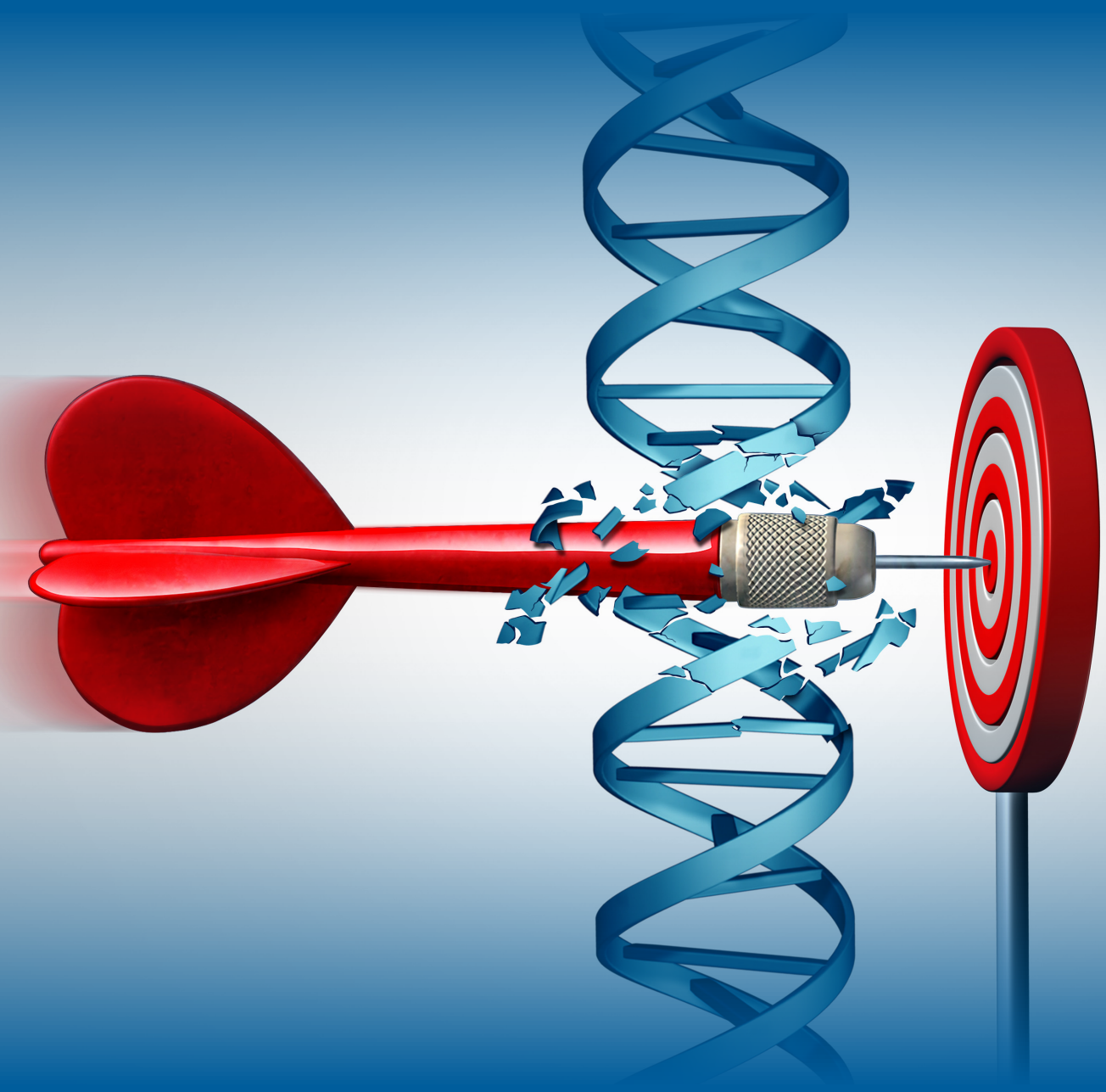
1570th Conference

Scientific Program

7th International Conference and Exhibition on

CELL AND GENE THERAPY

March 15-16, 2018 | London, UK



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Day 1 March 15, 2018

08:30-09:00 Registrations

Hall- Wright

conferenceseries.com 09:00-09:25 **Opening Ceremony**

Keynote Forum

09:25-09:30 **Introduction**

09:30-10:10 **Title: Stem cell therapy: bone regeneration for critical size bone defects**
Shuying Yang, University of Pennsylvania, USA

10:10-10:50 **Title: Assessing cytokine signatures and cytolytic potential for T cells and NK cells used for immune therapy**
Paul von Hoegen, CTL Europe GmbH, Germany

Group Photo@ 10:50-11:00

Networking and Refreshments Break 11:00-11:15 @ Breakout Area

11:15-11:55 **Title: Photobiomodulation affects mitochondria morphogenesis and function**
Katarina Stroffekova, Pavol Jozef Šafárik University, Slovakia

11:55-12:35 **Title: In vitro expanded human adipose-derived stem cells as a model for drug testing and tissue engineering tool**
Michał Pikuła, Medical University of Gdansk, Poland

Lunch Break 12:35-13:15 @ RBG

Sessions: Cell Therapy | Gene Therapy | Cell Culture and Bioprocessing | Clinical Trials on Cell & Gene Therapy | Cell Science and Stem Cell Research | Tissue Science & Regenerative Medicine

Session Chair: Shalini Gupta, King George's Medical University, India

Session Introduction

13:15-13:45 **Title: ZSCAN10 transcription factor regulates glutathione pathway multimodally**
Maria Skamagki, Memorial Sloan Kettering Cancer Center, USA

13:45-14:15 **Title : Ethical issues in cell and gene therapy using CRISPR/Cas9 system**
Yuan-Chuan Chen, National Applied Research Laboratories, Taiwan

14:15-14:45 **Title : Association between NAT- 1 and NAT- 2 and risk of oral pre cancer and cancer in North India**
Shalini Gupta, King George's Medical University, India

14:45-15:15 **Title : p63 silencing overcomes barriers to human cardiac cellular reprogramming**
Todd K Rosengart, Baylor College of Medicine, USA

15:15-15:45 **Title: Graphene based nanomaterials for cancer therapy**
A. Yilmazer, AnkaraUniversity, Turkey

15:45-16:15 **Title: Genetically encoded tools applying in phenotyping and toxicity test**
Yu-Fen Chang, LumiSTAR biotechnology, Taiwan

Networking and Refreshments Break 16:15-16:30 @ Breakout Area

Panel Discussion

Day 2 March 16, 2018

Hall- Wright

Keynote Forum

10:00-10:40 **Title: The Regentime® technique in stem cell therapy: a gate to immortality**
Nassim Abi Chahine, ACE Cells Lab Ltd, UK

10:40-11:20 **Title: Novel gene therapy approaches for the treatment of diabetic cardiomyopathy**
Paolo Madeddu, University of Bristol, UK

	Networking and Refreshments Break 11:20-11:35 @ Breakout Area
Sessions: Gene and Cell Therapy for Rare & Common Diseases | Cell Therapy of Cardiovascular Disorders | Nano Therapy | Viral Gene Therapy | Stem Cell Therapies	
Session Chair: Shalini Gupta, King George's Medical University, India	
	Session Introduction
11:35-12:05	**Title: Determinates of cell therapy efficacy for tissue and organ repair** **Williams J K**, Wake Forest School of Medicine, USA
12:05-12:35	**Title: Plant virus nanoparticles: new applications for developing countries** **Kathleen Hefferon**, Cornell University, USA
12:35-13:05	**Title: Novel anti-cancer binary system activated by bacteriophage HK022 integrase** **Amer Elias**, Tel-Aviv University, Israel
	Lunch Break 13:05-13:50 @ RBG
13:50-14:20	**Title: The effectivity of novel mesenchymal stem cell therapy in graft-versus-host disease** **E Molnar**, Hungarian National Blood Transfusion Service, Hungary
14:20-14:50	**Title: The most common genetic disease in Hail and diseases related to consanguinity** **Kholoud Mokhtar Al-Azmi**, University of Hail, KSA
14:50-15:20	**Title: SenezRedTM vital fluorescence probe for detecting mesenchymal stem cell senescence** **Joshur Ang**, Agency for Science, Technology and Research (A*STAR), Singapore
15:20-15:50	**Title: Evolution of recombinant adeno-associated viral vectors for application in ocular gene therapy** **Anand David**, University of Bern, Switzerland
	Poster Presentations 15:50-16:20 @ Foyer
Poster Judge : Todd K. Rosengart, Baylor College of Medicine, USA	
CGT-01	**Title: Production of therapeutically relevant lentiviral vectors for clinical studies** **Johann-Christoph Dettmann**, Miltenyi Biotec GmbH, Germany
CGT-02	**Title: The effect of Anethum on Dyrk1B gene expression in metabolic syndrome and coronary artery disease** **Maryam fathi**, Arsanjan university, Iran
CGT-03	**Title: Efficient method of cancer cells therapy repairing quasi-stationary pathologic State of an organism into stationary normal state of an organism** **M. Ponizovskiy**, Kiev regional Hospital, Ukraine
CGT-04	**Title: The effects of Zataria multiflora extract on Dyrk1B gene expression in metabolic syndrome and coronary artery disease** **Reza Naderipour**, Arsanjan university, Iran
CGT-05	**Title: A scalable microfluidics platform for the development of nanoparticles** **Richard Broadhead**, Precision NanoSystems Inc., Canada
	Networking and Refreshments Break 16:20-16:35 @ Breakout Area
	Panel Discussion
	Awards & Closing Ceremony 16:35-17:50

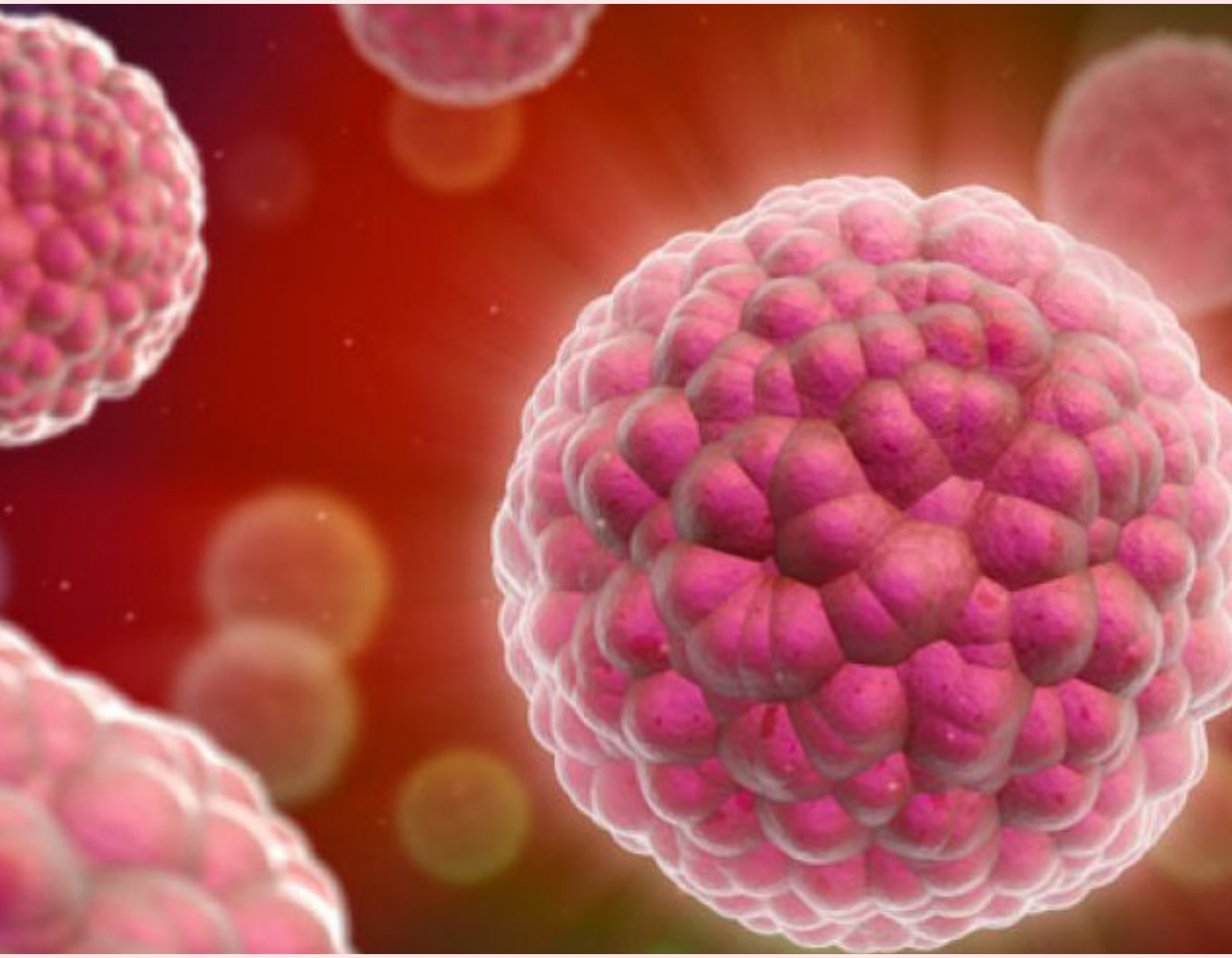
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915th Conference

Scientific Program

6th International Conference and Exhibition on

Cell and Gene Therapy

March 27-28, 2017 Madrid, Spain



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Conference Series - UK
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Day 1 March 27, 2017

09:00-09:30 Registrations

Leon

conferenceseries.com 09:30-09:55 **Opening Ceremony**

Keynote Forum

09:55-10:00	Introduction
10:00-10:40	Title: Cellular therapy, an autologous cellular PoC approach to satisfy patient´s needs **Falk Heinrichsohn**, Aristoloft Lda, Portugal
10:40-11:20	Title: Development of cost efficient platforms for the industrial manufacturing of pluripotent stem cell-derived products for cell therapy: Cell expansion is the starting point **Ricardo Baptista**, Cell and Gene Therapy Catapult, UK

Group Photo

Networking & Refreshment Break 11:20-11:40 @ Zamora

Sessions: Cell Therapy | Gene Therapy | Stem Cell Therapy | Cellular Therapy Technologies | Markets & Future Prospects for Cell & Gene Therapy

Session Chair: Falk Heinrichsohn, Aristoloft Lda, Portugal
Session Co-chair: Tushar Patel, Mayo Clinic, USA

Session Introduction

11:40-12:10	Title: Delphi Genetics: the Staby® technology to improve bioproductions for gene therapy **Thierry Van Reeth**, Delphi Genetics, Belgium
12:10-12:40	Title: Scaling-up for commercial manufacturing of an allogeneic product **Olga Bukatova**, Aseptic Technologies S.A, Belgium
12:40-13:10	Title: Enabling tools for gene therapy viral vector development **Ana Sofia Coroadinha**, iBET - Instituto de Biologia Experimental e Tecnológica, Portugal

Lunch Break 13:10-14:00 @ Zamora

14:00-14:30	Title: Stem cell derived extracellular vesicle based therapeutics for liver diseases **Tushar Patel**, Mayo Clinic , USA
14:30-15:00	Title: Novel combinatorial approach with multiple therapeutic genes and clinically feasible gene delivery method improves cancer gene therapy in pre-clinical animal model **Ramasamy Paulmurugan**, Stanford University School of Medicine, USA
15:00-15:30	Title: Clinical development aspects of gene therapy medicinal products **Joachim Scholpp**, Boehringer Ingelheim Pharma, Germany
15:30-16:00	Title: The Duchenne muscular dystrophy: Pathology regression after stem cell treatment **Décio Basso**, Universidad Privada Del Este, Paraguay

Networking & Refreshment Break16:00-16:20 @ Zamora

16:20-16:50	Title: The power of bespoke biocompatible and biodegradable hydrogels **Guillaume Saint-Pierre**, PeptiGelDesign, UK
16:50-17:20	Title: Novel biodetection materials sensors **José Sánchez del Río, Carlos III Madrid University (UC3M), Spain**
17:20-17:50	Title: Tissue engineering for bladder reconstruction: Exploring bioscaffolds **Wesam Muddather**, Cairo University, Egypt

Panel Discussion

Day 2 March 28, 2017

Leon

Keynote Forum

09:00-09:40	**Title: Affinity-selection of heparan sulfate glycosaminoglycans: A promising strategy to augment stem cell therapy** **Victor Nurcombe,** IMB A*STAR, Singapore

Sessions: Tissue Science | Regenerative Medicine | Cell Science | Stem Cell Research | Clinical trials in cell and gene therapy | Regulatory & Safety Aspects of Cell & Gene Therapy

Session Chair: Hans Sollinger, University of Wisconsin School of Medicine and Public Health, USA
Session Co-chair: María Jesús del Olmo Barros, Autonomous University from Madrid, Spain

Session Introduction

09:40-10:10	**Title: Stem cell based strategies for whole kidney regeneration** **Miguel Guillermo Garber,** Revitacell Clinic, Spain
10:10-10:40	**Title: Transfection of human melanoma cells with reprogramming factors (OKSM) alters cancer-related pathways and tumorigenicity** **Acelya Yilmazer,** AnkaraUniversity, Turkey
10:40-11:10	**Title: The effects of music therapy intervention in hospitalized children: Biological results** **María Jesús del Olmo Barros,** Autonomous University from Madrid, Spain

Networking & Refreshment Break 11:10-11:30 @ Zamora

11:30-12:00	**Title: WRN helicase inhibition and induced mitotic catastrophe for selective cancer therapy** **Nayef Jarrous,** The Hebrew University-Hadassah Medical School, Israel
12:00-12:30	**Title: Relationship between cytochrome P450 polymorphisms and prescribed medication in elderly haemodialysis patients** **Krystina Parker,** Akershus University Hospital, Norway

Poster Presentations 12:30-13:00 @ Zamora

Lunch Break 13:00-13:40 @ Zamora

13:40-14:10	**Title: T-cell–based therapeutic modality in solid tumours** **Weidong Han,** Chinese PLA General Hospital, China
14:10-14:40	**Title: MicroRNA engineering improved therapeutic function of human mesenchymal stem cells** **Xianhui Meng,** Southeast University, China
14:40-15:10	**Title: Bioengineered urethra** **Rana Zaki,** Cairo University, Egypt
15:10-15:30	**Title: Promigratory and proangiogenic effects of adiporon on bone marrow-derived mesenchymal stem cells: *In vitro* study** **Sara Malih,** Hamadan University of Medical Sciences, Iran

15:30-15:40 Panel Discussion & Closing Cermony

Networking & Refreshment Break 15:40-16:00 @ Zamora

Poster Presentations

CT-01	**Title: MicroRNA signature of the B16-F10 melanoma cells infected with adeno-associated viral vectors** **Agnieszka Zajkowska,** Medical University of Warsaw, Poland
CT-02	**Title: A performance comparison PCR-based approaches for EGFR mutations status detection in plasma and FFPE tissue of patients with advanced NSCLC** **Olga Brovkina,** Government scientific clinical center of federal medical and biological agency of Russia, Russia
CT-03	**Title: Gene therapy to mitigate radiation-induced bone marrow aplasia: Preliminary study in highly irradiated monkeys** **Sabine Francois,** French Armed Forces Biomedical Research Institute – IRBA, France

CT-04 **Title: Mesenchymal stem cells transplants after pelvic radiotherapy limits the development of radiation-induced fibrosis, in the prostate, without promoting the residual tumor growth**

Sabine Francois, French Armed Forces Biomedical Research Institute – IRBA, France

CT-05 **Title: Investigate the effect of rapamycin in senescence and chromatin remodelling**

Buthaina Al Shueili, Sultan Qaboos University, Oman

CT-06 **Title: Alternative choice for human cardiac stem cell culture in stem cell therapeutics: Animal serum-free medium**

Heiwon Kyung, Ewha Womans University, South Korea

CT-07 **Title: Articular cartilage regeneration with resident stem cells based therapies in a rabbit osteochondral defect model**

HeeJung Kim, Ewha Womans University, South Korea

CT-08 **Title: Differentiation of murine dermal papilla cells into myogenic linage for cell-based therapies in Duchenne muscular dystrophy**

Maral Rashidi, Shiraz University, Iran



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7th International Conference and Exhibition on

Cell and Gene Therapy

March 26-27, 2018 Berlin, Germany

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Scientific Program

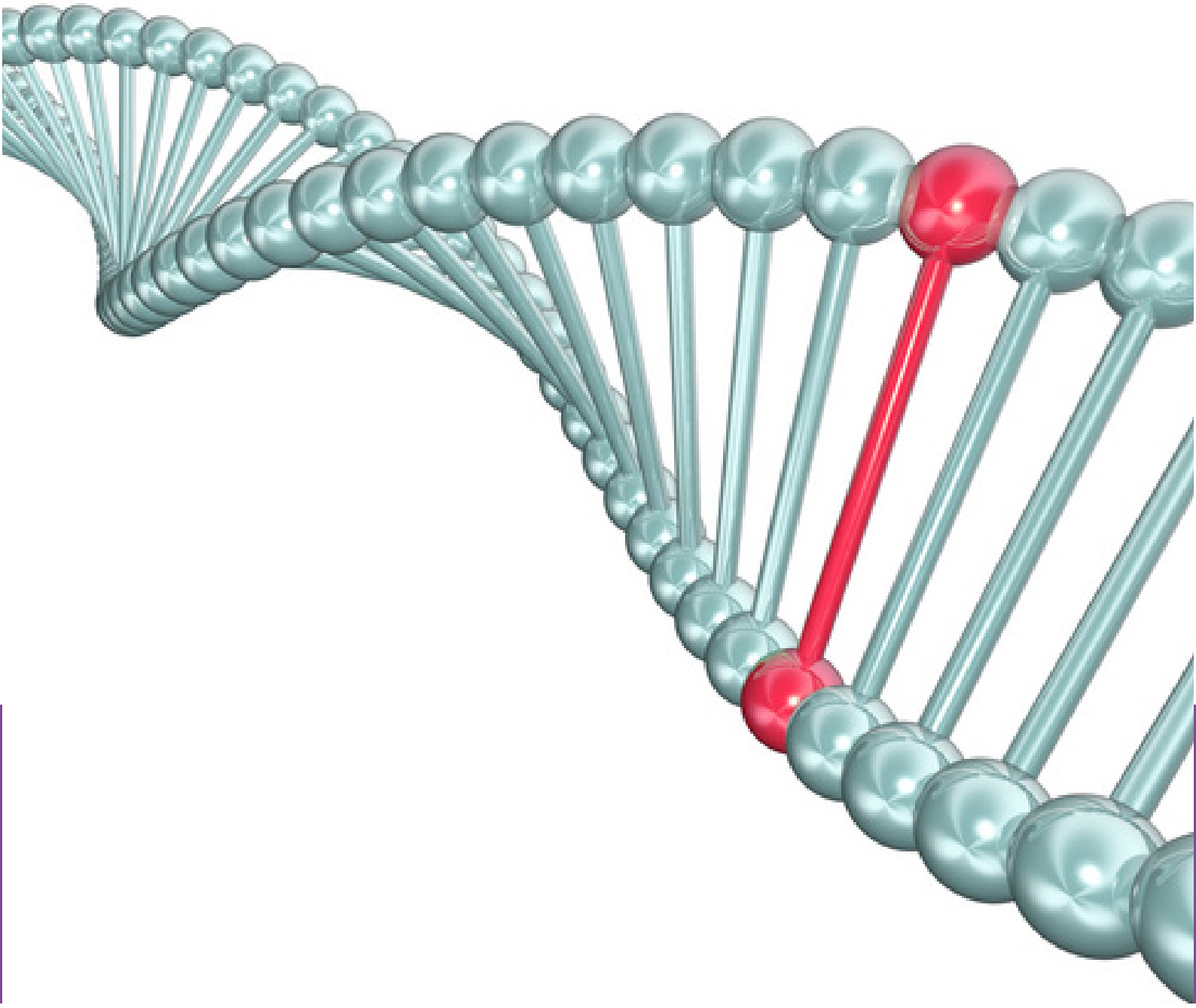
492nd Conference

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5th International Conference and Exhibition on

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Day 1 May 19, 2016

09:00-09:30 Registrations

Lone Star West

conferenceseries.com 09:30-10:00 **Opening Ceremony**

Group Photo 10:00-10:10

Keynote Forum

10:10-10:50 **Vikas Kundra**
MD Anderson Cancer Center, USA

Networking & Refreshments Break 10:50-11:10 @ Foyer

11:10-11:45 **Jennifer Grinnell** (Exhibitor)
Biosheprix, USA

11:45-12:20 **Heidi Strona** (Exhibitor)
PeproTech, USA

Track 1: Stem cell Therapies
Track 2: Cellular Therapy
Track 3: Plant Stem cell rejuvenation

Session Chair: Chan-Wha Kim, Korea University College of Life Sciences and Biotechnology, Korea

Session Introduction

12:20-12:50 **Tittle: Mesenchymal stem cell biology and therapy after ionizing irradiation and wound trauma**
Juliann G. Kiang, Uniformed Services University of The Health Sciences, USA

12:50-13:20 **Tittle:Media and supplements must be optimized for mesenchymal stem cell expansion**
Anjali Verma, EMD Millipore, USA

Lunch Break 13:20-14:00 @ Texas E

14:00-14:30 **Tittle:Induction mechanism of neural differentiation of human bone marrow mesenchymal stem cells by electromagnetic field**
Chan-Wha Kim, Korea University College of Life Sciences and Biotechnology, Korea

14:30-15:00 **Title:Cellular networking, integration and processing in vivo method to induce pancreatic beta cell formation in the adult pancreas for the purpose to be used as a preventative or therapeutic treatment or cure for both Type 1 and Type 2 Diabetes**
Bruno Doiron, University of Texas Health Science Center, USA

15:00-15:30 **Title: Molecular detection of tomato yellow leaf curl virus in tomato crops in kuwait**
Ebtesam Al-Ali, Kuwait institute for Scientific Research, Kuwait

15:30-16:00 **Title: TYLCV Characterization and Identification on Cucumber Using ELISA**
Hanadi Al-Hashash, Kuwait Institute for Scientific Research, Kuwait

Networking & Refreshments Break 16:00-16:20 @ Foyer

16:20-16:50 **Title: creating pluripotent stem cells from an adult animal tissue without the use of any retroviruses or nuclear gene manipulation**
Michael Heggeness, University of Kansas School of Medicine, USA

16:50-17:20 **Title: Semenogelin I as an androgen receptor coactivator is a novel molecular target for the treatment of prostate cancer**
Hiroshi Miyamoto, Johns Hopkins University School of Medicine, USA

17:20-17:50 **Title: Regenerative capacity of local intraoral adipose stem cell with demineralized bone matrix versus autologous bone harvesting in canine alveolar bone defects**
Lobna Abdel Aziz Aly, Future University, Egypt

17:50-18:20 **Title: The Endocannabinoid system: Bone to breast therapeutic potential**
Reza Mehdizadeh, Iranian Breast Cancer Research Center, Iran

Panel Discussions

Day 2 May 20, 2016

Lone Star West

Track 4: Cancer Gene Therapy
Track 5: Advanced Gene Therapeutics

Session Chair: Juliann G Kiang, Uniformed Services University of The Health Sciences, USA

Session Introduction

10:00-10:30 **Title: Preparation of a standardized bank of iPSC-derived mesenchymal stem cells (MSC) engineered to deliver suicide genes into tumors**
Thomas Bartosh, Texas A&M University Health Science Center, USA

10:30-11:00 **Title: Mesenchymal stem cells and 10-dehydrogingerdione in cisplatin induced renal fibrosis: A potential therapeutic target**
Mohamed Shawky, University of Tabuk, Saudi Arabia

Networking & Refreshments Break 11:00-11:20 @ Foyer

11:20-11:50 **Title: Therapeutic targeting of ovarian cancer stems cells**
Daniela Dinulescu, Harvard Medical School, USA

11:50-12:20 **Title: Therapeutic developments in genetic treatment of duchenne muscular dystrophy: Kuwait experience**
Laila Bastakli, Kuwait Medical Genetic Center, Kuwait

12:20-12:50 **Title: The advantage of Cancer therapy with targeting Warburg effect mechanism in new possibility cancer disease treatment**
Michail Ponizovskiy, Kiev regional p/n hospital, Germany

Lunch Break 12:50-13:40 @ Texas E

13:40-15:10 **Title: CRISPR logic circuits for next generation CRISPR-based gene therapies**
Samira Kiani, Arizona State University, USA

15:10-15:40 **Title: Comparison of three strategies to differentiate mechanosensory cells from human mesenchymal stem cells (HMSCS) and hair follicle pluripotent stem cells**
Mohammad-Saeid, University of Medical Sciences, Iran

Networking & Refreshments Break 15:40-16:00 @ Foyer

Day 3 May 21, 2016

Lone Star West

Sessions

Track 6: Gene Therapy
Track 7: Cell and Gene Therapy Products
Track 8: Diabetes for Gene Therapy
Track 9: Viral Gene Therapy
Track 10: Genetically Inherited diseases

Session Chair: Michail Ponizovskiy, Kiev regional p/n hospital, Germany

Session Introduction

10:00-10:30 **Title: Genome editing in vivo with the delivery of Cas9 ribonucleoprotein and donor DNA complexed to gold nanoparticles**
Kunwoo Lee, University of California, USA

10:30-11:00 **Title: Biophysical and biochemical models of cellular mechanisms as in normal tissue and as well as in cancer tissue and in inflammatory processes**
Michail Ponizovskiy, Kiev regional p/n hospital, Germany

Networking & Refreshments Break 11:00-11:20 @ Foyer

11:20-11:50 **Title: Generation of Insulin producing cells from umbilical cord mesenchymal stem cells - A tale of two cells**
Mohamed M. Kamal, Ain Shams University, Egypt

11:50-12:20 **Title: The epidemiology of viral hepatitis in Saudi Arabia**
Abdullah, King Saud University, Saudi Arabia

12:20-12:50 **Title: The role of genetics in the etiology of dental caries: A PCR based study**
Deepak Kumar Roy, B.P. Koirala Institute of Health Sciences, Nepal

Lunch Break 12:50-13:40 @ Texas E

13:40-15:10 **Title: CD_{226} and CD_{40} gene polymorphism in susceptibility to Juvenile rheumatoid arthritis in Egyptian patients**
Heba Mosaad, Mansoura University School of Medicine, Egypt

Panel Discussion & Certificate Falicitation

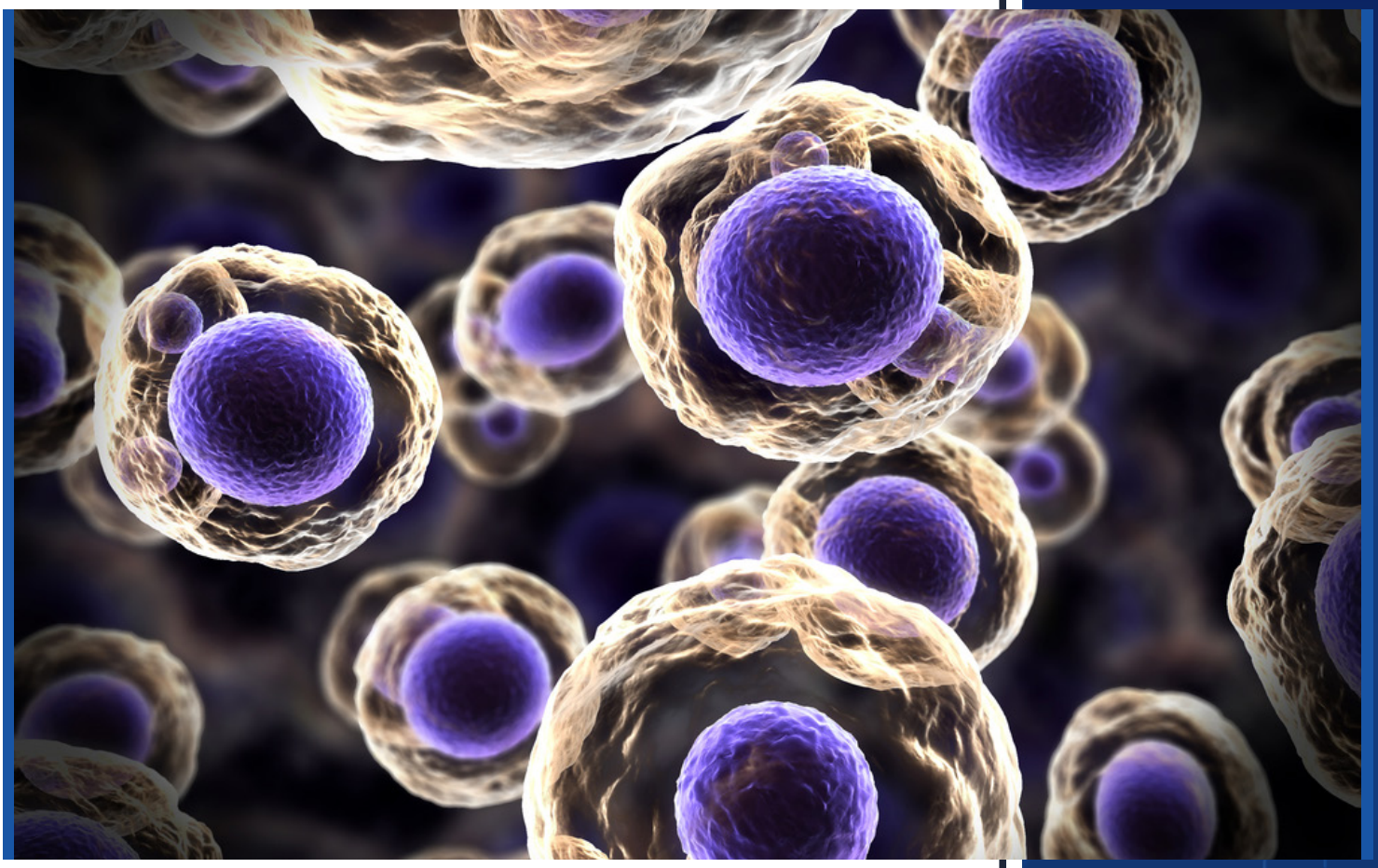
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Scientific Program

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Day 1 August 10, 2015

08:00 - 09:00 Registration

OMICS International conferenceseries.com

09:00 - 09:30 **Opening Ceremony**

Keynote Forum

Introduction

09:30-09:55 **James Koropatnick**
Lawson Health Research Institute and Western University, Canada

09:55-10:20 **Anelia Atanassova**
BioGlobaX Inc., Canada

10:20-10:45 **Noriyuki Kasahara**
University of Miami, USA

Coffee break 10:45-11:00

Track 1: Cell & Gene Therapy- Potential Applications
Track 2: Plant Stem Cell Rejuvenation
Track 3: Plant Stem Cells: Human Therapeutics

Session Introduction

Session Chair: Ajan Reginald, Cell Therapy Limited, UK
Session Co-Chair: Andrei Laikhter, Chemgenes Corporation, USA

11:00-11:25 **Advanced RNA synthesis as a key tool in RNA biology research**
Andrei Laikhter, Chemgenes Corporation, USA

11:25-11:50 **Myoblast-derived neuronal cells form glutamatergic neurons in the mouse cerebellum**
Sadhan Majumder, M. D. Anderson Cancer Center, USA

11:50-12:15 **Genetic markers of coronary artery disease risk**
Galya Naydenova Atanasova, Medical University Pleven, Bulgaria

12:15-12:40 **Enhanced delivery of DNA-based vaccines and immunotherapeutics through next-generation electroporation devices**
Stephanie Ramos, Inovio Pharmaceuticals Inc., USA

Lunch break 12:40-13:25

13:25-13:50 **Molecular detection of tomato yellow leaf curl virus in tomato crops in Kuwait**
Ebtesam M. Al-Ali, Kuwait Institute for Scientific Research, Kuwait

Track 4: Stem Cell Therapies
Track 10: Bioengineering Therapeutics
Track 11: Clinical Trials and Research in Cell & Gene Therapies
Track 12: Regulatory & Ethical Issues of Therapies

Session Introduction

Session Chair: Vasiliki Kalodimou, IASO Maternity Hospital, Greece
Session Co-Chair: Geeta Shroff, Nutech Medicworld, India

13:50-14:15 **Improved epilespsy and speech outcomes with human embryonic stem cell therapy in children with cerbral palsy**
Geeta Shroff, Nutech Medicworld, India

14:15-14:40 **The extracellular matrix in stem cell commitment: Biphasic role of chondroitin sulfate in cardiac differentiation of embryonic stem cells through inhibition of Wnt/beta-catenin signaling**
Michael Kluppel, Northwestern University, USA

14:40-15:05 **Comparison between healthy donor-derived bone marrow mesenchymal stem cells BM-MSCS and human dermal fibroblasts: Impact on clinical applications of HMSCS**

Mohammed Al Bagami, Centre Hospitalier Universitaire, France

15:05-15:30 **Adipose-derived mesenchymal stem cells in the regeneration of vocal folds: A study on a chronic vocal fold scar**

Angelou Valerie, Phoniatrics and Applied Otorhinolaryngology Center, Greece

15:30-15:55 **Transition from the bench to the bedside: Considerations for ensuring a safe and successful entry into the clinic for cell based medicinal products**

Natalie Thomas, Clinical Network Services, UK

Coffee Break 15:55-16:15

16:15-16:40 **The impact of repeated autologous infusion of haematopoietic stem cells in patients with liver insufficiency**

Eman Medhat Hassan, Cairo University, Egypt

16:40-17:05 **Three dimensional (3D) dynamic culture and metabolomic analysis of hESC**

Iliana Fauzi, Imperial College London, UK

17:05-17:30 **Hematopoietic stem cell-based therapy for HIV disease: 'Berlin' versus 'Essen' patients**

Josef Bodor, Institute of Hematology and Blood Transfusion, Czech Republic

Panel Discussion

Day 2 August 11, 2015

Keynote Forum

Introduction

10:00-10:25 **Robert Hawkins**
The Christie Hospital and University of Manchester, UK

10:25-10:50 **Paul L. Hermonat**
Central Arkansas Veterans Healthcare System, USA

Coffee Break: 10:50-11:05

Track 5: Cellular Therapies
Track 6: Advanced Gene Therapeutics
Track 7: Molecular basis of epigenetics

Session Introduction

Session Chair: Nady Golestaneh, Georgetown University School of Medicine, USA
Session Co-Chair: Ajan Reginald, Cell Therapy Limited, UK

11:05-11:30 **Stem cell therapy and age-related macular degeneration**

Nady Golestaneh, Georgetown University School of Medicine, USA

11:30-11:55 **A double-blind randomized placebo-controlled phase IIb clinical trial to study the efficacy & safety of a Tendoncel™, a novel platelet lysate gel in the treatment of lateral epicondylitis (tennis elbow)**

Sabena Sultan, Cell Therapy Limited, UK

11:55-12:20 **Generation of HLA universal platelets for regenerative applications**

Constanca Figueiredo, Hannover Medical School, Germany

12:20-12:45 **Identification and characterisation of cyclic peptide inhibitors of Ras/p110α and Ras/Raf protein complexes**

Mohamed Ismail, London Research Institute, UK

Lunch break 12:45-13:30

13:30-13:55 **Non-viral gene therapy in musculoskeletal tissue engineering**

Georg A. Feichtinger, University of Leeds, UK

13:55-14:20 **Safe and efficient gene transfer to retinal cells via a novel DOTMA-based niosomal vector**

Noha Attia, Alexandria University, Egypt

14:20-14:45	**Gene therapy by combination with non-viral vector and in vivo electroporation for bone regeneration** **Mariko Kawai,** Osaka Dental University, Japan
14:45-15:10	**A bacteria virus that targets and destroys tumors in preclinical models** **Amin Hajitou,** Imperial College London, UK
15:10-15:35	**The studies on latent TB infection** **Xueqiong Wu,** Institute of Tuberculosis Research, China

Coffee break: 15:35-15:55

15:30-16:30	**Poster Presentations**
CGT-001	**Characterization of human iPS derived cardiomyocytes and application for cardiac toxicity assessment** **Marie-Helene Delmotte,** Novartis Institute of Biomedical Research, Switzerland
CGT-002	**Influences of digoxin on cell metastasis in hepatocellular carcinoma** **Wei-Ju Huang,** Hsin-Sheng College of Medical Care and Management, Taiwan
CGT-003	**MicroRNA-124 modifies the progression of R6/2 Huntington's disease mice** **Manho Kim,** Seoul National University Hospital, Korea
CGT-004	**H3K9 methyltransferase G9a negatively regulates UHRF1 transcription during leukemia cell differentiation** **Sang-Beom Seo,** Chung-Ang University, Republic of Korea
CGT-005	**Gene therapy using in vivo electroporation for alveolar bone regeneration** **Mariko Kawai,** Osaka Dental University, Japan
CGT-006	**The influence of TIMP-2 gene expression on melanoma cell metastasis** **Emilia Grecka,** Maria Sklodowska-Curie Memorial Cancer Centre and Institute of Oncology, Poland
CGT-007	**Immunogenicity and therapeutic effects of Rv1419 DNA vaccine from Mycobacterium tuberculosis** **Yan Liang,** Institute of Tuberculosis Research, China
CGT-008	**Carboxyl-functionalized polyurethane nanoparticles exhibit immunosuppressive properties via autophagy activation** **Yen-Jang Huang,** National Taiwan University, Taiwan
CGT-009	**The endothelial progenitor cells derived from Wharton's jelly of human umbilical cord elicit protective effects on ischemic acute kidney injury in mice** **Yuh-Lien Chen,** National Taiwan University, Taiwan
CGT-010	**Redifferentiation of Expanded Human Islet β Cells by Inhibition of ARX** **Friedman Orr,** Tel Aviv University, Israel
CGT-011	**Kallistatin ameliorates influenza virus pathogenesis by inhibition of kallikrein-related peptidase 1-mediated cleavage of viral hemagglutinin** **Chia Hsing,** National Cheng Kung University Medical College, Taiwan

Panel Discussion

Day 3 August 12, 2015

Track 8: Cancer Therapies
Track 9: Nano-Therapy

Session Introduction

Session Chair: James Koropatnick, Lawson Health Research Institute and Western University, Canada
Session Co-Chair: Robert Hawkins, Christie Hospital and University of Manchester, UK

10:00-10:25	**A big data analysis platform to unveil gene interactions in cancer** **Benjamin Y. M. Yung,** The Hong Kong Polytechnic University, Hong Kong
10:25-10:50	**Targeting low frequency mutations in breast cancer** **Rachael Natrajan,** The Institute of Cancer Research, UK

Coffee Break 10:50-11:10

11:10-11:35 **Single cell imaging for exploring the relationship between glucose uptake, survival and metastasis in cancer**

Lawrence W. C. Chan, The Hong Kong Polytechnic University, Hong Kong

11:35-12:00 **Cancer stem cell markers in lung cancer: Proofs of concept and some reservations**

Lourdes Cortes Dericks, University of Hamburg, Germany

12:00-12:25 **High MACC1 expression in combination with mutated KRAS G13 indicates poor survival of colorectal cancer patients**

Katharina Ilm, Experimental and Clinical Research Center (ECRC-Charite Campus Buch), Germany

12:25-12:50 **Clostridium perfringens enterotoxin mediated suicidal gene therapy for pancreatic**

Jessica Pahle, Charite University Medicine, Germany

Lunch Break 12:50-13:35

13:35-14:00 **A comparison of the immunosuppressive effects of silymarin with rapamycin and FK506 on the proliferation and apoptosis of T cells in vitro**

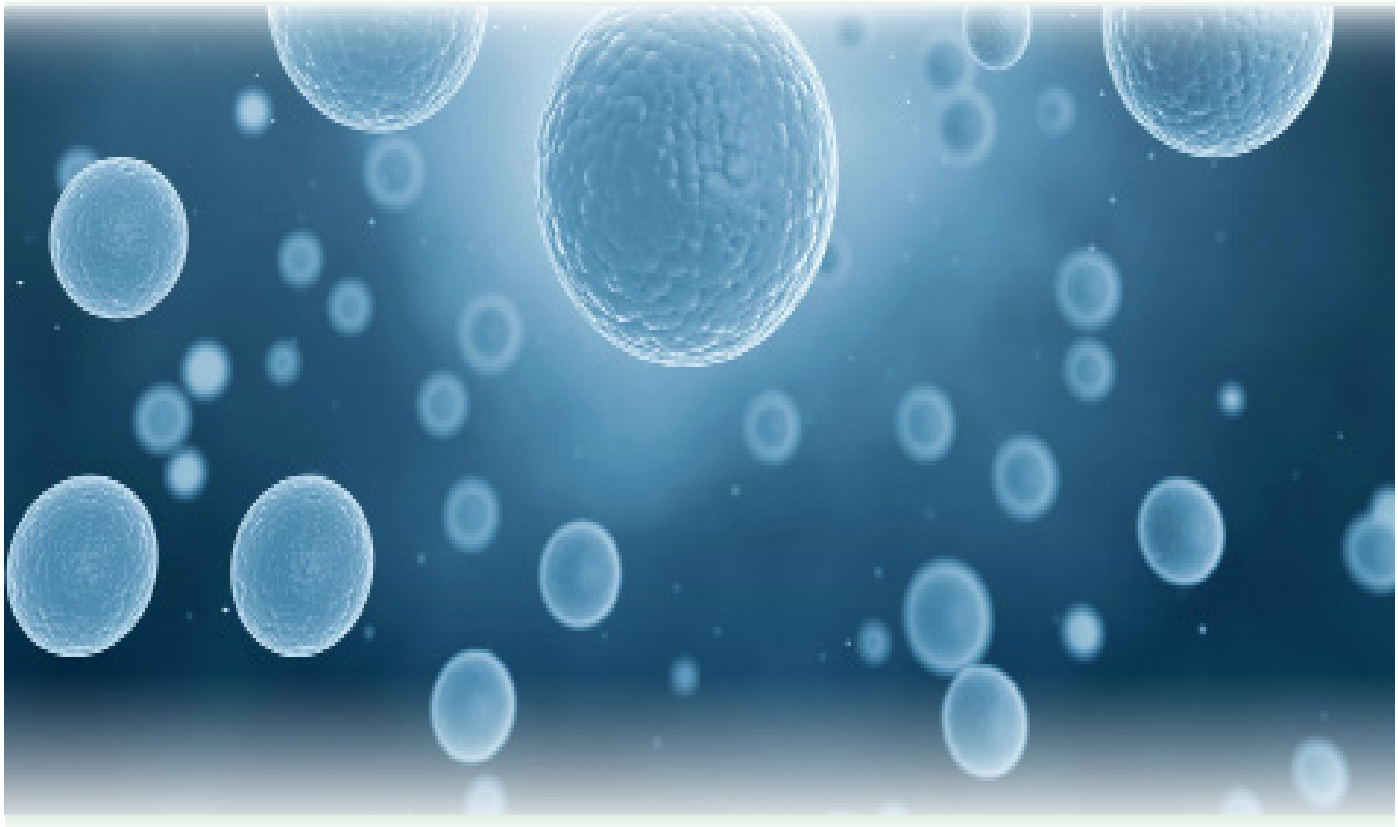
Nahid Eskandari, Isfahan University of Medical Sciences, Iran

14:00-14:25 **Evaluation of clonal origin of malignant mesothelioma**

Sabahattin Comertpay, Middle East Technical University, Turkey

Panel Discussion

Adward Ceremony and Closing Remarks



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