7th International Conference and Exhibition on
CELL AND GENE THERAPY
March 15-16, 2018 | London, UK

Scientific Program

Conference Series - America
One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA

Conference Series - UK
Kemp House, 152 City Road, London EC1V 2NX, UK
Toll Free: +0-800-014-8923
### Day 1  March 15, 2018

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

**Hall- Wright**

#### opening ceremony

**conference series.com  09:00-09:25**

#### Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:25-09:30</td>
<td><strong>Introduction</strong></td>
</tr>
</tbody>
</table>
| 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

**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**

<table>
<thead>
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| 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*, Ankara University, Turkey |
| 15:45-16:15 | **Title: Genetically encoded tools applying in phenotyping and toxicity test**  
*Yu-Fen Chang*, LumiSTAR biotechnology, Taiwan |

**Lunch Break**  12:35-13:15 @ RBG

**Panel Discussion**  16:15-16:30 @ Breakout Area

**Day 2  March 16, 2018**

**Hall- Wright**

#### Keynote Forum

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</table>
| 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

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<tr>
<td>11:35-12:05</td>
<td><strong>Determinates of cell therapy efficacy for tissue and organ repair</strong></td>
<td>Williams J K, Wake Forest School of Medicine, USA</td>
<td></td>
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<tr>
<td>12:05-12:35</td>
<td><strong>Plant virus nanoparticles: new applications for developing countries</strong></td>
<td>Kathleen Hefferon, Cornell University, USA</td>
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<tr>
<td>12:35-13:05</td>
<td><strong>Novel anti-cancer binary system activated by bacteriophage HK022 integrase</strong></td>
<td>Amer Elias, Tel-Aviv University, Israel</td>
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Session Introduction

11:35-12:05

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Lunch Break 13:05-13:50 @ RBG

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<tr>
<td>13:50-14:20</td>
<td><strong>The effectivity of novel mesenchymal stem cell therapy in graft-versus-host disease</strong></td>
<td>E Molnar, Hungarian National Blood Transfusion Service, Hungary</td>
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<tr>
<td>14:20-14:50</td>
<td><strong>The most common genetic disease in Hail and diseases related to consanguinity</strong></td>
<td>Kholoud Mokhtar Al-Azmi, University of Hail, KSA</td>
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<tr>
<td>14:50-15:20</td>
<td><strong>SenezRedTM vital fluorescence probe for detecting mesenchymal stem cell senescence</strong></td>
<td>Joshur Ang, Agency for Science, Technology and Research (A*STAR), Singapore</td>
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<td>15:20-15:50</td>
<td><strong>Evolution of recombinant adeno-associated viral vectors for application in ocular gene therapy</strong></td>
<td>Anand David, University of Bern, Switzerland</td>
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Poster Presentations 15:50-16:20 @ Foyer

Poster Judge: Todd K. Rosengart, Baylor College of Medicine, USA

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<tr>
<td>CGT-01</td>
<td><strong>Production of therapeutically relevant lentiviral vectors for clinical studies</strong></td>
<td>Johann-Christoph Dettmann, Miltenyi Biotec GmbH, Germany</td>
<td></td>
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<tr>
<td>CGT-02</td>
<td><strong>The effect of Anethum on Dyrk1B gene expression in metabolic syndrome and coronary artery disease</strong></td>
<td>Maryam fathi, Arsanjan university, Iran</td>
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<tr>
<td>CGT-03</td>
<td><strong>Efficient method of cancer cells therapy repairing quasi-stationary pathologic State of an organism into stationary normal state of an organism</strong></td>
<td>M. Ponizovskiy, Kiev regional Hospital, Ukraine</td>
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<tr>
<td>CGT-04</td>
<td><strong>The effects of Zataria multiflora extract on Dyrk1B gene expression in metabolic syndrome and coronary artery disease</strong></td>
<td>Reza Naderipour, Arsanjan university, Iran</td>
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<tr>
<td>CGT-05</td>
<td><strong>A scalable microfluidics platform for the development of nanoparticles</strong></td>
<td>Richard Broadhead, Precision NanoSystems Inc., Canada</td>
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Networking and Refreshments Break 16:20-16:35 @ Breakout Area

Panel Discussion

Awards & Closing Ceremony 16:35-17:50