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Scientific Program

International Conference on
Synthetic Biology

September 28-29, 2015 Houston, USA



OMICS International Conferences

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Scientific Program

Day 1 September 28, 2015

09:00-09:30 Registrations

Canterbury

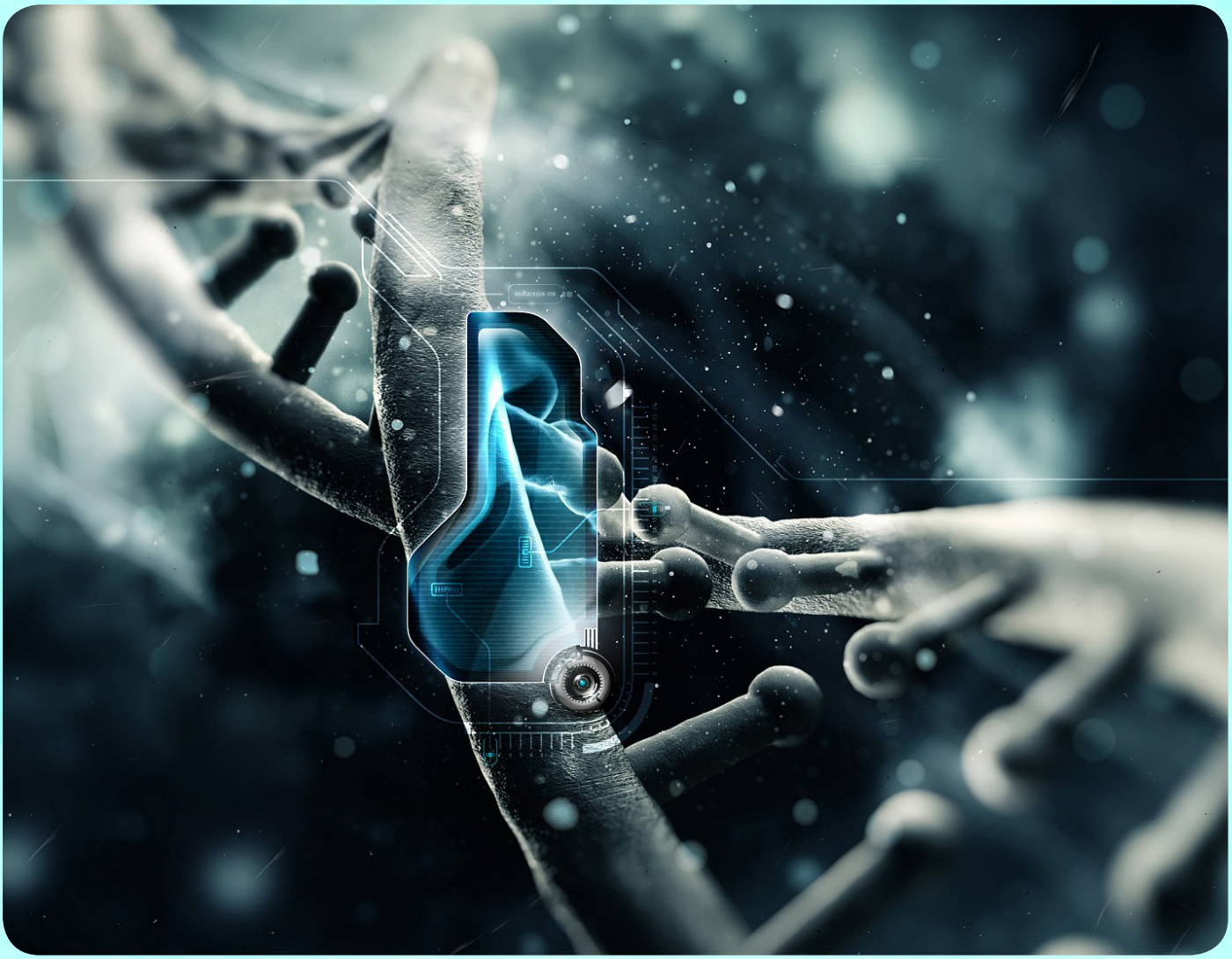
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09:30-10:20 Opening Ceremony

Keynote Forum	
	Introduction
10:20-10:55	**Title: Recent advancement and developments in synthetic biology** **Vsevolod V (Seva) Gurevich,** Vanderbilt University Medical Center, USA
Group Photo	
	Coffee Break 10:55-11:15 @ Windsor-II
11:15-11:50	**Title: Synthetic RNA molecule mitigates HIV-induced apoptosis of cardiomyocytes and also prevents HIV infection** **Makobetsa Khati,** CSIR Biosciences, South Africa
11:50-12:25	**Title: Tissue and organ fabrication for the heart** **Ravi K Birla,** University of Houston, USA
12:25-13:30	Workshop on **Prospects of synthetic molecules in medicine** by **Makobetsa Khati,** CSIR Biosciences, South Africa
	Lunch Break 13:30-14:30 @ Windsor-II
14:30-15:30	Workshop on **Recent advances in Cardiac tissue engineering** by **Ravi K Birla,** University of Houston, USA
Track 1 : Protein Engineering Design and Selection Track 10 : Industrial Synthetic Biology	
Track 11: Animal Cell and Tissue Engineering	
Chair: Ravi K Birla, University of Houston, USA **Co-chair: Makobetsa Khati,** CSIR Biosciences, South Africa	
	Session Introduction
15:30-16:00	**Title: Conversion of adipogenic mesenchymal stem cells into mature cardiac myocytes**
	Robert J Schwartz, University of Houston, USA
16:00-16:30	**Title: Engineering signaling-biased arrestins for targeted regulation of cell behavior**
	Vsevolod V (Seva) Gurevich, Vanderbilt University, USA
	Coffee Break 16:30-16:50 @ Windsor-II
16:50-17:20	**Title: Dissecting the roles of the scaffold protein IQGAP1 in epithelial cell maturation**
	Volker Schweikhard, Rice University, USA
17:20-17:50	**Title: Olive biotechnology: The assessment of tissue culture induced genetic variability in olive (*Olea europaea*) by molecular markers**
	Masoud Sheidai, Shahid Behesti University, Iran
Panel Discussion	

Day 2 September 29, 2015	
Canterbury	
Keynote Forum	
09:30-10:05	**Title: Modulation of estrogen receptor activity by 27-hydroxycholesterol and its mechanisms of action** **Michi Umetani,** University of Houston, USA
10:05-10:40	**Title: Structural alterations of leukocyte integrin, LFA** **Mehmet Sen,** Harvard Medical School, USA
Coffee Break 10:40-11:00 @ Windsor-II	
11:00-12:30	Workshop on **Redesigning proteins, one function at a time** by **Vsevolod V (Seva) Gurevich,** Vanderbilt University Medical Center, USA
Track 3 : Molecular Modeling and Drug Designing Track 5 : Development of Recombinant-DNA technology Track 9 : Computational Biology Track 11 : Animal Cell and Tissue Engineering	
Chair: Vsevolod V (Seva) Gurevich, Vanderbilt University Medical Center, USA **Co-chair: Pushpa Agrawal,** R. V. College of Engineering, India	
Session Introduction	
12:30-13:00	**Title: Metabolic engineering of a high biomass C4 grass for commercial scale production of bioplastics**
	Stevens M Brumbley, University of North Texas, USA
Lunch Break 13:00-14:00 @ Windsor-II	
14:00-14:30	**Title: Biological synthesis of gold nanoparticles & test for cytotoxicity and anti-microbial activity**
	Pushpa Agrawal, R. V. College of Engineering, India
14:30-15:00	**Title: Mass production of high fidelity oligonucleotides as feed stock of Post-genome-sequencing synthetic biology (PGS-SB)**
	Xiaolian Gao, University of Houston, USA
15:00-15:30	**Title: Structural modeling of C5a receptor: Molecular insights into agonism and antagonism**
	Soumendra Rana, Indian Institute of Technology Bhubaneswar, India
Panel Discussion	
Coffee Break 15:30-15:50 @ Windsor-II	
Poster Presentations 15:50-16:50 @ Gallery	
SYB-01	**Title: Controlled ultrasound cavitation for DNA delivery into bacteria and yeast**
	Gustavo Stadthagen, BIOASTER, France
SYB-02	**Title: Mitigation of poultry-borne campylobacteriosis by an engineered enteric commensal**
	Richard McLean, University of Lethbridge, Canada
SYB-03	**Title: Comparison of intracellular and extracellular cellulase production by recombinant bacterium Escherichia coli**
	Zehra Tatli, Hacettepe University, Turkey

SYB-04	**Title: *In silico* molecular docking of ligands for inhibition of L-amino acid oxidase from *Calloselasma rhodostoma***
	Neema K N, Sri Jayachamarajendra College of Engineering, India
SYB-05	**Title: Screening of phytochemicals for the inhibition of JAK2 by molecular docking**
	Shalini Koshle, Sri Jayachamarajendra College of Engineering, India
Panel Discussion	
Closing Ceremony	



Bookmark your dates

2nd International Conference on

Synthetic Biology

August 15-17, 2016 London, United Kingdom

Website: syntheticbiology.conferenceseries.com

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