**Synthetic Biology Congress 2017**

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

**General Number** - 1-650-889-4686 F: +1 (650) 618 1417, Toll Free For Singapore -800-852-6126 | Japan -81-345780247 | USA/Canada -1-800-216-6499 | UK -0-800-098-8455

**Email:** synbiocongress@geneticconferences.com

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**Tentative Program**

**4th World Congress on Synthetic Biology and Genetic Engineering**

**November 09-10, 2017   Singapore**

**Theme:** “Expanding the Possibilities”

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**For Available Speaker Slots**

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Email: synbiocongress@geneticconferences.com
Conference Series LLC International Conferences invites all the participants from all over the world to attend “4th World Conference on Synthetic Biology and Genetic Engineering“ during November 09 - 10, 2017 at Singapore City, Singapore which includes prompt keynote presentations, Oral talks, Poster presentations and Exhibitions.

Meet the eminent researchers working in the allied areas of Synthetic biology a Genetic engineering fields. This conference will be the best platform to explore your research work and innovations in the respective areas. This conference is focusing on all the major fields of Synthetic Biology.

With members from around the world focused on learning about systems and synthetic biology, this is your single best opportunity to reach the largest assemblage of participants from various communities. Conduct demonstrations, distribute information, meet with current and potential speakers and receive name recognition at this 2-day event. World-renowned speakers, the most recent techniques, tactics, and the newest updates in Synthetic biology and Genetic engineering fields are hallmarks of this conference.

**Conference Highlights**

- System Biology
- Genome engineering
- Artificial Gene Synthesis
- Mammalian Synthetic Biology
- Plant Synthetic Biology
- Molecular Programming
- Microfluidics
- Metabolic Engineering
- Protein Engineering
- Healthcare / Drug Discovery
- Next Generation Sequencing
- Computational Modelling
- Gene Editing
- Biosensors
- Engineered Cell Therapies and Antibodies
- Bio-manufacturing
- Applications of Synthetic Biology
- Case studies
Dear Colleagues,

Being an Organizing Committee and Keynote Speaker, it is my great honor and pleasure to invite you to participate in the 4th World Conference on Synthetic Biology and Genetic Engineering to be held in Singapore City, Singapore, on 09-10 November, 2017.

Synthetic Biology Congress brings together domain experts, researchers, clinicians, industry representatives, postdoctoral fellows, and students from around the world, providing them with the opportunity to report, share, and discuss scientific questions, achievements, and challenges in this field.

One of our aim is to generate new investigations and collaboration between scientists. We also are very interested to welcome students and postdoctoral researchers in order to provide them the opportunity to show their investigations about Synthetic Biology Congress.

Examples of the diverse tissue science and regenerative medicine topics that will be covered in this comprehensive conference include Genetic Engineering: Genome engineering, Artificial, Engineered Cell Therapies and Antibodies Gene Synthesis, Mammalian Synthetic Biology, Molecular Programming, Plant Synthetic Biology, Metabolic Engineering, Protein Engineering, Gene Editing Synthetic Biology Include: Biosensors, Bio-manufacturing, Applications of Synthetic Biology, Case studies, Ethics and regulations, System Biology, Microfluidics, Healthcare / Drug Discovery, Computational Modeling. In Synthetic Biology Congress, you will be able to share experiences and research results, discuss challenges encountered and solutions adopted and have opportunities to establish productive new academic and industry research collaborations.

We hope that this conference will be productive and satisfying. Personally, I hope that you have a very enjoyable and entertaining stay here, in Singapore.

See you there...

Dr. Gautam Sethi
Department of Pharmacology, National University of Singapore
# Tentative Agenda

## November 09, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30 - 9:30</td>
<td>Registration</td>
</tr>
<tr>
<td>9:30 - 10:30</td>
<td>Keynote Forum</td>
</tr>
<tr>
<td>10:30 - 10:45</td>
<td>Network &amp; Refreshments Breaks *</td>
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<tr>
<td>10:45 - 12:00</td>
<td>System Biology</td>
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<tr>
<td>12:00 - 13:15</td>
<td>Genome engineering</td>
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<tr>
<td>13:15 - 14:00</td>
<td>Lunch Break **</td>
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<tr>
<td>14:00 - 15:15</td>
<td>Plant Synthetic Biology</td>
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<tr>
<td>15:15 - 15:30</td>
<td>Network &amp; Refreshments Breaks *</td>
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<tr>
<td>15:30 - 16:45</td>
<td>Metabolic Engineering</td>
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<tr>
<td>16:45 - 18:00</td>
<td>Next Generation Sequencing</td>
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## November 10, 2017

<table>
<thead>
<tr>
<th>Time</th>
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<td>8:30 - 9:30</td>
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<td>Applications of Synthetic Biology</td>
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<td>16:45 - 18:00</td>
<td>Ethics and regulations</td>
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**Award Ceremony & Conference Concludes**
# Tentative Program

## Keynote Forum

<table>
<thead>
<tr>
<th>Title</th>
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<tbody>
<tr>
<td>Title: Genetic polymorphism of vesicular monoamine transporter 1 gene (SLC18A1) in Emirati population</td>
<td>Abdullah Al Mutery, University of Sharjah, Sharjah, United Arab Emirates</td>
</tr>
<tr>
<td>Title: STAT3 as a molecular target for prostate cancer prevention and therapy</td>
<td>Gautam Sethi, Department of Pharmacology, National University of Singapore, Singapore</td>
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<tr>
<td>Title: The effect of cross-reactive antibodies on immunogenicity of live-attenuated vaccine: A systems approach</td>
<td>Chan Kuan Rong, Duke-NUS Medical School, Singapore</td>
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<tr>
<td>Title: Molecular Characteristics of Aradi Goats with Prediction Equation of Growth Pattern</td>
<td>A.M. Alseaf, Qassim University, Buraydah, Saudi Arabia</td>
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## Renowned Speakers

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<th>Title</th>
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<tbody>
<tr>
<td>Title: Thymoquinone exhibit anti-tumor effect and attenuates bone metastasis of triple negative breast cancer cells through the suppression of SDF1/CXCR4 chemokine signaling axis</td>
<td>Muthu K Shanmugam, Yong Loo Lin School of Medicine, National University of Singapore, Singapore</td>
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<td>Title: The potential molecular targets of Fangchinoline for cancer therapy</td>
<td>Srishti Mishra, Yong Loo Lin School of Medicine, National University of Singapore, Singapore</td>
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<tr>
<td>Title: Identification and characterization of molecular targets of Tris DBA [tris(dibenzylideneacetone)dipalladium(0)] for cancer therapy</td>
<td>Loukik Arora, YLLSoM, National University of Singapore, Singapore</td>
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<tr>
<td>Title: CLONING AND EXPRESSION OF CYP81Q1 from Sesamum indicum L.</td>
<td>Kishan Chandra, Pondicherry University, Pondicherry, India</td>
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<tr>
<td>Title: Genetic engineering of tobacco plants by expressing arsenic responsive genes of Lysinibacillus sphaericus and Arabidopsis thaliana for removal of arsenics from the contaminated lands</td>
<td>Abul Mandal, University of Skövde, Sweden</td>
</tr>
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<td>Title: Expressions of pathological markers in PRP based chondrogenic differentiation of human adipose derived stem cells</td>
<td>Yoonseok Lee, Hankyong National University, South Korea</td>
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<tr>
<td>Title: Spatholobus suberectus metabolites inhibit sortase A and sortase A-mediated cell aggregation of Gram-positive bacteria</td>
<td>Beomkoo Chung, Seoul National University, Seoul, South Korea</td>
</tr>
<tr>
<td>Title: Why pregnant women do not adherent to Iron/Folate Supplementation?: A Cross-Sectional study</td>
<td>Soraya Siabani, Razi University, Iran</td>
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Speaker Opportunity Available

Speaker Opportunity Available
Title: Inhibitory effects of Sophora japonica metabolites on saliva-induced aggregation of Streptococcus mutans mediated by sortase A

Eunji Cho, Seoul National University, Seoul, South Korea

Title: Studies on catalase activity in different Indian potato cultivars (Solanum tuberosum L.)

Gurpreet Kaur, Thapar University, India

Title: Sortase A inhibitory activities of aaptamines from the tropical sponge Aaptos aaptos

Heegyu Kim, College of Agriculture and Life Sciences, Seoul National University, Republic of Korea

Title: Mining of loss-of-function alleles on starch synthesis gene TaSSIVb-D by TILLING and characterization of their effects in wheat

Huijun GUO, Institute of Crop Sciences, Chinese Academy of Agricultural Sciences, China

Title: Genetically-engineered Enzyme Biosensor for the Healthcare Industry

Jeak Ling Ding, National University of Singapore, Singapore

Speaker Opportunity Available
Speaker Opportunity Available

Title: Assessment of Seed Dispersal Through Metagenomic Analysis of the DNA-barcoded Fruit-Bat Species’ Diet in the Tropical Lowland Forest of Palanan, Isabela

Jessica D. Rey, College of Science, University of the Philippines, Diliman, Quezon City, Philippines

Title: Integrating Photocell Sensors and Associative Memory Machine Learning Model for Blood Leakage Detection during Dialysis Therapy: Animal Experiment

Ping-Tzan Huang, National Tsing Hua University, Taiwan

Title: Grip Strength during Forearm Torque in the Elderly – Results from a Novel Measurement Device

Shian-Chao, Tay Singapore General Hospital, Singapore

Title: Histopathology criteria suggesting Microsatellite instability in colorectal cancer in Iranian patients

Soraya Siabani, Public health school Kermanshah University of Medical Sciences (KUMS)

Title: Quantitative identification of species and GM ingredients in food

Tingting Deng, Chinese academy of Inspection and Quarantine, China

Note: Conference schedule is subject to change.
The key features of Synthetic Biology Congress

- Presentation by renowned speakers from all over the world
- Poster presentations and world class exhibits
- Interactive Sessions
- Platform for global networking
- Connecting scientific community

Synthetic Biology Congress 2017

- Opportunity to attend the presentations delivered by eminent scientists from all over the world
- Selected contributions will be published in following Conference Series LLC Journals
  - Current Synthetic and Systems Biology
  - Advancements in Genetic Engineering
  - Journal of Bioengineering & Biomedical Science
- Participation in sessions on specific topics on which the conference is expected to achieve progress
- Global networking: In transferring and exchanging Ideas
- Conference brings together Scientific Researchers, Industrialist and delegates

Venue

Holiday Inn Singapore Atrium
317 Outram Road, Singapore 169075

Contact Details

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Program Manager
Synthetic Biology Congress 2017
Email: synbiology@geneticconferences.com
synbiology@geneticconferences.com
SINGAPORE, known as “the LION city,” becomes a favorite destination because it is a global city and is a densely populated island with tropical flora, parks and gardens. Singapore is a global commerce, finance and transport hub.

Singapore is considered as an important center for higher education and harbors, healthcare, well reputed and prestigious colleges and Universities. Singapore conferences indeed play a vital role in promoting scientific information and ideas all over the world. It can be considered as a suitable medium for the relocation of valuable knowledge about research and novel advancements worldwide. The conferences taking part here would promote a variety of scientific ideas among contenders belonging to diverse areas of science and technology.

Apart from this, Singapore has been set aside for parks and natural reserves. The network of natural reserves, parks, park connectors, natural ways, tree-lined roads and other natural areas have enhanced the sense of green space in the city which will keep you busy for weeks. Singapore has a tropical rainforest climate with no distinctive seasons, uniform temperature, pressure, high humidity and abundant rainfall. Sentosa, Singapore Flyer, Universal Studios Singapore, Night Safari Singapore, Singapore Botanic Gardens, Jurong Bird Park, Singapore Zoo, Sri Mariamman Temple, PulauHantu famous for its rich coral reefs and Peranakan Museum are some of the points of interest in Singapore. A splendid location, life expectancy, quality of life, personal safety and housing that is unsurpassed for its livability makes Singapore a city to visit and remember.