

# HERALD OF RUSSIAN-INDIAN NETWORK

## Announcement for BRICS Young Scientist Conclave 2016

26-30 September 2016 India would be hosting the **BRICS Young Scientist Conclave 2016** as a coordinating country. The conclave aims at promoting opportunities to engage and network young scientists of BRICS countries.

**Lead Sponsor:** BRICS STI Coordinating Ministry, Department of Science and Technology India along with BRICS STI Coordinating Ministries from other partner countries on the principles of co-ownership and co-investment.

### Vision

- BRICS Youth connectivity & networking to harness their knowledge for resolving common societal challenges through research and innovation and strengthen advancement of skill & research competencies of youth primarily in the age group of 22-35 years drawn from Science, Engineering other allied disciplines.
- Building BRICS leadership in S&T through creative youth with capacity and capability to accelerate change individuality and collectively (BRICS Youth Alummi).
- Reinforcing BRICS nation's and regional STI policies and youth policies, skill development and entrepreneurship policies.

The conclave will consist of chosen bright, young people (primarily in the 22-35 years category) from BRICS countries drawn from science, engineering and other allied disciplines. Besides having these participants in the leading role at the Conclave, often deciding its specific agenda within the broad framework, the Conclave will also provide them abundant opportunity to interact with trail-blazers, leaders and pioneers of science, technology and innovation, drawn from BRICS through workshops, interactive sessions and lectures.

The conclave would take place in 'perennially pleasant' Bengaluru, also known as the 'Silicon Valley of India' and home to a number of top-tier educational and research institutions. More specifically, it would be held at the National Institute of Advanced Studies, a unique multidisciplinary research institute that draws from the natural sciences and technology, social sciences and the humanities to address some of the outstanding problems that face our society today.

**Applications shall be accepted through nominations by each BRICS STI nodal Ministries/ organizations and the last date for receiving applications/nominations is 31st May 2016.**

### Issue 2, 25 April 2016

#### Details:

In this issue of e-Newsletter:

BRICS Young Scientist Conclave 2016.....p.1-2

RIN Members Announcements.....p.3-4

Request for Cooperation.....p.5

Future Plans.....p.6

E-Newsletter is released on monthly basis. We invite organizations, agencies, institutes and universities of Russia and India to send information and news for publishing in e-Newsletter. The information should be interesting and useful for promotion of cooperation in the fields of education, science, technology and innovation between Russia and India.

Contact us: [news@rusindia.ru](mailto:news@rusindia.ru)

## BRICS Young Scientist Conclave 2016

### Targeted participants

- Young bright scientists/engineers/technologists/innovators/ techno-entrepreneurial start-up professionals / science journalists-educators-science, literacy and popularizing professional / legal specialists on translational aspects of research and technology integration in society-market / researchers in the age group of 22-35 years. There is a provision to include exceptionally talented individuals from the BRICS nations, outside the age group 22-35 years.
- Open to science, engineering and allied disciplines

### Size of the Conclave

- Up to 50 delegates from 5 BRICS Member Countries (up to 10 from each country)
- 10 distinguished people of extraordinary/exemplary achievements through research, innovation & techno- entrepreneurship.

### Funding Arrangement

The food, accommodation and local transport will be provided by the organizers for their stay during the conclave (to be borne by DST, India). The International air travel related expenses (airfare, medical insurance, visa fee etc) shall be met by respective nominating BRICS STI Ministries/ organizations.

### Selection Process

The selection for participating in the BRICS YS Conclave 2016 shall be purely on the basis of nomination by respective BRICS STI Ministries/organizations. The selection of Indian Young Scientist shall be done by the Steering Group based on the information provided by the Indian applicant through online application system (to be created soon)

**Venue:** NIAS Bengaluru (and Cultural Heritage Tour to Hampi)

**Duration:** 5-Day Programme

**Conclave Convener:** National Institute of Advanced Studies (NIAS, Bengaluru, India)

### Organizing Secretariat

Contact Person: Dr. Suba Chandran

Address: Professor, International Strategic & Security Studies  
National Institute of Advanced Studies (NIAS)  
Indian Institute of Science Campus,  
Bangalore-560012, INDIA

Phone: +91-80-22185142 (Office-Direct);  
+91-80-22185000 (Office);  
+91-9810326878 (Mobile)

Email: <subachandran@gmail.com>

**More information about Conclave, its Program, and Application Form can be found at web-site  
<http://rusindia.ru>**

## RIN MEMBERS ANNOUNCEMENTS



### Summer School at Tomsk Polytechnic University

**18.07.2016 – 05.08.2016**

**08.08.2016 - 25.08.2016**

Summer School at Tomsk Polytechnic University offers: effective and engrossing Russian language studying in homelike atmosphere, language immersion, highly-qualified, creative teachers, modern technologies and specially designed resources, student-centered program; modern equipment and wonderful Siberian culture and exciting leisure activities.

**Course duration:** 3 weeks (60 academic hours).

**Tuition fee:** 350 EUR.

**Application fee:** 75 EUR.

**Accommodation:** TPU hotel-type hostel No.15 Hotel-type hostel of Tomsk Polytechnic University is a modern building located not far from the main building in the TPU campus and equipped with the electronic security system. For convenience's sake of guests there are kitchens, paid laundry, room for self studies. The rooms are equipped with refrigerators, TV-sets, telephones. There is a cafe on the first floor of the hostel. The fee includes cleaning of rooms.

Single room — 3000 rubles, place in a double room — 2500 rubles.

TPU hostel No. 19 Sectional type hostel. 2 and 3 people in a room. 4 rooms, shower and sanitary conveniences in a section. Each floor has classrooms, kitchens, laundries and drying rooms. There is a canteen on the first floor of the hostel. There is a gym, English speakers' club, dancing room, art school, academy of photography etc in the hostel. Place in a double/triple room (beds, a wardrobe, tables) — 715 rubles, place in a double/triple room (beds, a wardrobe, tables, a TV set / a fridge)— 930 rubles.

Application for the school is online:  
[http://iie.tpu.ru/en/3\\_russian\\_summerschool\\_application.php](http://iie.tpu.ru/en/3_russian_summerschool_application.php)

### BGRS\SB-2016

#### 10th anniversary International Conference

#### «Bioinformatics of Genome Regulation and Structure\ Systems Biology»



**Institute of Cytology and Genetics  
 Siberian Branch of Russian Academy of Science  
 Novosibirsk, Russia**

**29 August – 2 September, 2016**

Since 1998 the conference of BGRSSB series are held every two years. In 2014, Multiconference BGRS\SB-2014 was attended by 483 researchers and students from 27 countries.

Multiconference BGRS\SB-2016 will include the following research sections and meetings:

- Section "Genomics, transcriptomics and bioinformatics"
- Symposium "Proteomics"
- Section "Systems biology"
- Section "Evolutionary bioinformatics"
- Section "Computational pharmacology"
- Section "Bioinformatics and systems biology of cell death"
- Symposium "Neuroinformatics"
- Section "Bioinformatics and molecular biology synergism in DNA damage response studies"
- Section "Paleogenetics"
- Section "Systems biology of aging"
- Symposium "Human genetics"
- Section "Animal genetics"
- Section "Bioinformatics and systems biology of plants"
- Symposium "Mathematical modeling and high performance computing in bioinformatics, biomedicine and biotechnology"

Series of collateral events in the frames of the multiconference:

- Open Russian-German workshop on bioinformatics network "Systems computational biology".
- Young Scientists School "Systems Biology and Bioinformatics", SBB-2016
- Sino-Russian Symposium on systems and computational biology with Chinese universities (BRICS countries).
- The seminar "Systems biology programmed cell death".

The conference participants have opportunity to publish full-text papers in special issues of international science journals (Web-of-Science, BMC Genomics (BioMedCentral), Journal of Bioinformatics and

Computational Biology (World Scientific Publishing Co. Pte Ltd.)

#### Organizers

- Institute of Cytology and Genetics SB RAS (ICIG SB RAS)
- Siberian Branch of the Russian Academy of Sciences (SB RAS)
- The Vavilov Society of Geneticists and Breeders
- Laboratory of Theoretical Genetics
- Chair of Information Biology NSF NSU
- «Predicted Biology – soft» Limited Liability Company (“PB-soft”)
- Limited liability company «Scientific service»
- The program “Genomics, proteomics and bioinformatics” of the SB RAS

#### Important dates

May 20, 2016 - last date of registration on the website and submitting abstracts for the conference BGRS\SB-2016.

June 10, 2016 - notification of inclusion in the conference program BGRS\SB-2016.

Online registration and abstracts submission is open on the [website of the Conference](http://conf.bionet.nsc.ru/bgrssb2016/?lang=en) (<http://conf.bionet.nsc.ru/bgrssb2016/?lang=en>)

All questions, please contact the official address of the organizing committee of the conference: [bgrs2016@icg.sbras.ru](mailto:bgrs2016@icg.sbras.ru)

## The 8th Young Scientists School “Systems biology and Bioinformatics”

**Institute of Cytology and Genetics  
Siberian Branch of Russian Academy of Science  
Novosibirsk, Russia  
22-25 August, 2016**

Bioinformatics is a rapidly developing field of knowledge. Each of the past Young Scientists Schools concerned topics urgent at those times. To preserve this tradition, the SBB-2016 will be dedicated to bioinformatics and systems biology in such areas as:

- Genomics and evolutionary bioinformatics
- Structural biology and molecular dynamics
- Molecular-genetic systems analysis

The School Program will include lecture session and practical works on modern approaches of biological data analysis and high-throughput computing. The Young Scientists School includes also poster and oral presentation of young scientists. The best presentations

will be awarded by certificates and prizes from the Committee and sponsors. Best reports also will be recommended for full-text publications in peer-reviewed journals.

Practical workshops will include following topics:

- Metagenomics: high-throughput sequencing data analysis in the study of microbial communities
- Modeling of apoptosis cd95 signaling pathway
- Structural biology: drug design
- Molecular phylogeny and evolution

Important dates:

- Registration to the School on-line – May 20, 2016
- Abstract submission – May 20, 2016
- Notification of acceptance – June 10, 2016
- The School events – 22-25 August, 2016

The working language is English.

Online registration and abstracts submission is open on the [website of the Conference](http://conf.bionet.nsc.ru/bgrssb2016/?lang=en) (<http://conf.bionet.nsc.ru/bgrssb2016/?lang=en>)

#### All questions, please contact the official address of the organizing committee:

Tel: +7(383) 363-49-80

Fax: +7(383) 333-12-78

E-mail: [sbb2016@icg.sbras.ru](mailto:sbb2016@icg.sbras.ru), [popik-olga@bionet.nsc.ru](mailto:popik-olga@bionet.nsc.ru)

The Institute of Cytology and Genetics, Siberian Branch of the Russian Academy of Sciences (ICG SB RAS) is one of the earliest research institutions of the Siberian Branch. It ranks among the largest biological institutes in the world.

There are four IC&G-based chairs at the Novosibirsk State University: the Chair of Cytology and Genetics, the Chair of Molecular Biology, the Chair of Information Biology and the Chair of Physiology. Many IC&G people hold joint appointments as NSU teachers and some teach post-graduate courses in genetics, cell biology, cytology and histology, physiology, molecular biology and biochemistry, which involve research work at IC&G.

IC&G collaborates internationally. This collaboration has been supported by grants from INTAS, NATO and Britain's Wellcome Trust. Working agreements exist between IC&G and laboratories, universities, institutes in many countries worldwide.

IC&G is visited by those who want to have a first-hand impression or personally do research work. IC&G hosts international conferences every year. IC&G is a place where biochemical and biotechnological companies make their presentations often.

## REQUEST FOR COOPERATION



### Amity University is looking for partners among Russian RIN members

Faculty/researchers from Amity University would like to submit project proposals under **“Joint Call for Project proposal in the field of Bio-Imaging & Bio-Informatics”** with Russian collaborators.

The first set of domains, which might be interested for Russian members, includes the following:

*“Electrochemical DNA sensor based on multi-walled carbon nanotubes for high risk HPV detection in cervical cancer”*, Dr Nidhi Chauhan & Dr Utkarsh Jain, Amity Institute of Nano Technology (AINT)

*“Development of electrochemical sensor for the detection of Aflatoxin B1 related to Hepatocellular Carcinoma in Peanut extract”*, PI: Prof. Tinku Basu, Co-PI: Dr. Ashish Mathur, Amity Institute of Nano Technology (AINT)

*“ATP-MLSM: Angular Texture Pattern-Multi-Level Set Model based Retinal Image Segmentation”*, DR Arti Taneja, Dr Priya Ranjan and Dr Amit Ujlayan, Amity School of Engineering & Technology(ASET)

*“CFD model for blood flow in Cerebral Aneurysm at various conditions”*, Dr Basant Singh Sikarwar and Dr Priya Ranjan, Amity School of Engineering & Technology(ASET)

*“Exploring the application of principles of strength of*

*materials and mechanics of materials to understand biomolecular structures in general and proteins in particular”*, Dr. Burra V L S Prasad, Amity Institute of Biotechnology (AIB)

*“Generation of a disease model using high-throughput gene expression analyses”*, Dr Bhawna Rathi, Amity Institute of Biotechnology (AIB).

*“Automated 2-in-1 dose dispensing system to minimize adverse reactions and toxicity of irrational drug dosing”*, Dr. Satyendra K. Rajput, Amity Institute of Pharmacy (AIP).

*“A multi-attribute, attention inspired segmentation for artificial visual perception”*, Dr Anju Mishra and Dr Priya Ranjan, Amity School of Engineering & Technology (ASET)

For all requests please contact Dr. W. Selvamurthy, Director General - Amity Directorate of Science & Innovation Chancellor

Tel: 91(0)120 4392045

91-9871372441

91-9818801028

E-mail: [wselvamurthy@amity.edu](mailto:wselvamurthy@amity.edu)

Amity University is a research and innovation driven university. Amity is the leading education group of India with over 1,25,000 students studying across 1000 acres of hi-tech campus.

Amity University is emerging as a cradle of innovation with more than 690 Patents filed, which is perhaps the highest among any single organization in India.

Website of Amity University: <http://www.amity.edu/>

We invite RIN members to send requests for cooperation to publish them in RIN Newsletter to make this information available for wide audience in Russia and India.

Information can be sent to [news@rusindia.ru](mailto:news@rusindia.ru)

## FUTURE PLANS

When we talk about cooperation we often forget that collaborative projects are fulfilling by persons: scholars, researchers, and faculties. Information about institutes and universities is easily accessible by internet, on institutions' websites.

To know what themes are developed inside these institutions, who are engaged in these themes is much more complicated. But it's important in a view of various Russian-Indian competitions of joint science projects, such as Competition of Joint Research Proposals in India and Russia in the areas of Basic Science, which is held by Department of Science & Technology (DST), Government of India and Russian Foundation for Basic Research, for example.

We decide to fill this gap and propose scholars, researchers, and faculties of RIN members to share information about themselves, their research themes and proposals for cooperation.

This supposes to be the first step to establishing contacts for future collaboration between Russian and Indian institutions.

All questions and information can be sent to [news@rusindia.ru](mailto:news@rusindia.ru)

---

We accept also the following types of information for publishing in e-Newsletter:

- 1) upcoming conferences, seminars, summer/winter schools;
- 2) grants and contests;
- 3) scholarships;
- 4) call for papers;
- 5) proposals for joint projects;
- 6) news about achievements and new research directions;
- 7) information about departments and faculties looking for partners in Russia and India;
- 8) vacancies.

Contact us: [news@rusindia.ru](mailto:news@rusindia.ru)

---

---

© 2016. Resource Centre 'Russia-India: Education, Science, and Innovation'

---

Editor: Olga Ustyuzhantseva

Deadline of information acceptance: 20th of every month.

All requests please address: [news@rusindia.ru](mailto:news@rusindia.ru)

---