



Department of Biotechnology & Molecular Biology & Biochemistry



GURU NANAK DEV UNIVERSITY, AMRITSAR

jointly organizes

INTERNATIONAL MEET ON FRONTIERS IN LIFE SCIENCE

Sponsored by : **CENTRES WITH POTENTIAL FOR EXCELLENCE IN PARTICULAR AREA (CPEPA)**

March 22, 2018

The commitment to discover solutions to various health disorders is one of top priorities in modern biology. The biomedical science is an interdisciplinary field that primarily focuses to surpass the quality of life by improving the overall human health. Biomedical research delves with the identification of physiological and molecular factors responsible for the onset of a disease and development of new therapies to manage such health issues. Further, personalized and preventive medicines are the new emerging areas of biomedical research that will accelerate the diagnosis, treatment and prevention of a health ailment according to the genetic makeup of an individual. The present international meet will focus on emerging aspects of biomedical research and will provide a suitable platform for the young researchers to interact with the different biomedical scientists who have done remarkable work in this field.

Speakers



Dr. Katsunori MATSUOKA
Vice-President & Director General,
AIST, Japan



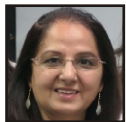
Dr. Yoshihiro OHMIYA
Director, Biomedical Research Institute,
AIST, Japan



Dr. Sunil KAUL
Chief Senior Research Scientist,
BMRI, AIST, Japan



Dr. Yoshiaki ONISHI
Deputy Director, BMRI, AIST, Japan



Dr. Renu WADHWA
Prime Senior Researcher and Head, DAILAB
BMRI, AIST, Japan



Dr. Tsutomu NAKAMURA
Senior Researcher, BMRI,
AIST, Japan



Dr. Mitali MUKERJI
Senior Principal Scientist,
CSIR Institute of Genomics & Integrative
Biology, Delhi.



Dr. Durai SUNDAR
Dupont Young Professor, Department of Biochemical
Engineering & Biotechnology, IIT-Delhi, India



Dr. Ajaikumar B. KUNNUMAKKARA
Associate Professor, Department of Biosciences
and Bioengineering, IIT, Guwahati



Dr. Gurcharan KAUR
Professor, Department of Biotechnology
Guru Nanak Dev University, Amritsar



Dr. Pratap Kumar PATI
Professor, Department of Biotechnology
Guru Nanak Dev University, Amritsar

Who Should attend

- * Faculty from reputed academic institutions and technical institutions.
- * Student at all levels (B.Sc./MSc/ MTech/PhD) of Life sciences including Biotechnology, Biochemistry and molecular biology, Botany, Microbiology, Human genetics, Zoology etc.
- * Researchers /Post-doc/ Research associate from Universities, Govt. and R&D laboratories.

Course Registration Fee :

Students/Research Scholars : Rs. 500/-
Faculty members: Rs. 1000/-

The candidates are required to register in the prescribed format and submit the registration form through email : imfgndu18@gmail.com along with scanned copy of Demand Draft in favour of Registrar, Guru Nanak Dev University, Amritsar.
* Candidate should bring the original Demand Draft at the time of Conference.

Website & Links :

http://online.gndu.ac.in/conference-and-seminars_Organised.aspx

Coordinators :

* **Prof. (Dr.) Pratap Kumar Pati**, Head, Department of Biotechnology, Guru Nanak Dev University, Amritsar, Punjab
Phone :0183-2258802-09 Ext. 3218, 3222 Mobile: 9915091910 Email: pkpati@yahoo.com

Dr. Sunil Kaul, Chief Senior Research Scientist, DBT (India) - AIST (Japan) International Laboratory for Advance Biomedicine (DAILAB) BMRI, National Institute of Advanced Industrial Science & Technology (AIST) Japan

Coordinators

Dr. Pratap Kumar Pati

Professor & Head,
Department of Biotechnology, Guru Nanak Dev University, Amritsar

&

Dr. Sunil Kaul

Chief Senior Research Scientist
DBT (India) - AIST (Japan) International Laboratory for Advance Biomedicine (DAILAB)
BMRI, National Institute of Advanced Industrial Science & Technology (AIST) Japan

Organizing Committee

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Guru Nanak Dev University, Amritsar

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Guru Nanak Dev University, Amritsar

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Department of Molecular Biology & Biochemistry
Guru Nanak Dev University, Amritsar

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Guru Nanak Dev University, Amritsar

Mr. Bhupesh Kumar

Programmer
Department of Biotechnology
Guru Nanak Dev University, Amritsar

Key Speakers

Dr. Katsunori MATSUOKA

Vice-President & Director General,
AIST, Japan

Dr. Yoshihiro OHMIYA

Director, Biomedical Research Institute,
AIST, Japan

Dr. Sunil KAUL

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BMRI, AIST, Japan

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*** Candidate should bring the original Demand Draft at the time of Conference.**

Last date of submission of Abstarct & Registration 17/03/2018

Abstract for poster presentation (maximum 250 words) formatted on MS Word in Time New Roman, Font Size 12 should be send only by e-mail at imflgndu18@gmail.com along with Title, Name of Author(s), full address of correspondence including e-mail and name of the presenting author should be underlined. Abstract received after due date will not be accepted. Poster size should not exceed A0 (841 x 1189 mm)

How to reach Amritsar

The Organizing Committee has great pleasure in inviting you and your colleagues to participate in the International meet. The meeting offers scope for discussing recent developments and future directions in the field of Biomedical Research. We are hopeful that in addition to the scientific activities, the surroundings of holy city Amritsar will make your trip memorable. Amritsar, the City of Golden Temple, is well connected to all major cities of India by a fine network of railways, road and air. The city attracts countless tourists on Pilgrimage as well as leisure tour.

By Air: The airport at Amritsar named Guru Ram Dass International Airport offers excellent services. The airport is well connected to other parts of the country by regular flights.

By Rail: Amritsar is directly connected to New Delhi via rail route. It takes about 8 to 10 hours to reach Amritsar from New Delhi by train.

By Road: G T Road connects Delhi to Amritsar. Regular buses are available from I.S.B.T. Delhi to Amritsar. You can choose from local, semi deluxe, deluxe and super deluxe buses offered at I.S.B.T. Delhi. If you want to reach Amritsar from places other than Delhi, then you may have to change your bus at a midway destination such as I.S.B.T. Delhi and then board again the corresponding bus, train or airplane.

For details Contact

Prof. (Dr.) Pratap Kumar Pati, Head, Department of Biotechnology, Guru Nanak Dev University, Amritsar, Punjab
Phone :0183-2258802-09 Ext. 3218, 3222 Mobile: 9915091910 Email: pkpati@yahoo.com / imflgndu18@gmail.com

REGISTRATION FORM

**Conference on
"International Meet on Frontiers in Life Science"
(22nd March, 2018)**

Name (Block Letters):

M/F:

Designation/ Professional Title:

Organization:

Address:

.....

Abstract enclosed Yes No

Mode of Presentation : Poster

Attend only

Abstract Title :.....

Tel: Mobile:

E- mail:

Date:

Signature

Registration Fee : Students/Research Scholars : Rs. 500/- and Faculty members: Rs. 1000/-

The candidates are required to register in the prescribed format and submit the registration form
through email : imflgndu18@gmail.com

along with scanned copy of Demand Draft in favor of

Registrar, Guru Nanak Dev University, Amritsar.

*** Candidate should bring the original Demand Draft at the time of Conference.**

Last date to submit the complete application form is 17th March, 2018

INTERNATIONAL MEET ON FRONTIERS IN LIFESCIENCE INAUGURATION OF SISTER DAILAB &

Platform for **I**nnovating **KN**owledge to **I**nternational **KN**ow **H**ow

PIKNIKH SERIES XXIV

**Organized by : Department of Biotechnology
&
Molecular Biology & Biochemistry
Guru Nanak Dev University, Amritsar- 143 005, India**

**Sponsored by :
Centres with Potential For Excellence In Particular Area
(CPEPA)**

March 22, 2018

Coordinators	Sunil KAUL , Chief Senior Research Scientist DBT (India)-AIST (Japan) International Laboratory for Advanced Biomedicine (DAILAB), BMRI, National Institute of Advanced Industrial Science & Technology (AIST), Japan E-mail: s-kaul@aist.go.jp Pratap Kumar PATI , Professor and Head, Department of Biotechnology, Guru Nanak Dev University, Amritsar, INDIA E-mail: pkpati@yahoo.com
9:30	Arrival and Exchange of Business Cards PRAYER- Shabad and Lighting of Lamps
9:40	Welcome address and Introduction of the Department of Biotechnology Dr. Pratap Kumar PATI, Professor & Head, Department of Biotechnology, GNDU, Amritsar
9:45	Introduction of AIST- Scholars, Strengths & Strategies for Supporting Society Dr. Katsunori MATSUOKA, Vice-President & Director General, AIST, Japan
9:50	Introduction of Biomedical Research Institute (BMRI) Dr. Yoshihiro OHMIYA, Director, BMRI, AIST, Japan

9:55	Introduction of DAILAB and DAICENTER Dr. Sunil KAUL, Chief Senior Research Scientist, AIST, Japan	
10:05	Signing of MoU and Inauguration of SISTER DAILAB@GNDU	
10:10	Inaugural Address Dr. Jaspal Singh SANDHU, Vice-Chancellor, Guru Nanak Dev University, Amritsar	
10:20	Presentation of Mementos	
10:25	Vote of Thanks Dean Life Sciences, Guru Nanak Dev University, Amritsar	
10:30	High Tea and Interaction	
Plenary Session		Session Chairs: Avinash NAGPAL & Yoshiaki ONISHI
Plenary Lecture I		
11:00	Title	Ashwagandha health benefits: Biology to biotechnology
	Speaker	Renu WADHWA (renu-wadhwa@aist.go.jp) National Institute of Advanced Industrial Science & Technology (AIST), Japan
Plenary Lecture II		
11:20	Title	Ayurgenomics: a novel integrative approach for understanding human individually for precision medicine
	Speaker	Mitali MUKERJI (mitali@igib.res.in) CSIR Institute of Genomics & Integrative Biology, Delhi, India
Scientific Session		Session Chairs - Y. OHMIYA & Jatinder SINGH
11:40	Title	Bioinformatics inputs to the therapeutic potential of Ashwagandha actives
	Speaker	Durai SUNDAR (sundar@dbeb.iitd.ac.in) Indian Institute of Technology (IIT-Delhi), India
11:55	Title	Ashwagandha : Insights in its multifunctional role for mental health
	Speaker	Gurcharan KAUR (kgurcharan.neuro@yahoo.com) Guru Nanak Dev University, Amritsar
12:10	Title	Ashwagandha for modulation of circadian rhythm
	Speaker	Yoshiaki ONISHI (y-onishi@aist.go.jp) National Institute of Advanced Industrial Science & Technology (AIST), Japan

12:25	Title	Biotechnological interventions in improvement of <i>Withania somnifera</i>
	Speaker	Pratap Kumar PATI (pkpati@yahoo.com) Guru Nanak Dev University, Amritsar
12:40	Title	Curcumin for oral cancer and health
	Speaker	Ajaikumar B. KUNNUMAKKARA (akunnumakkara@gmail.com) Indian Institute of Technology (IIT-Guwahati), India
12:55	Title	Structural change of archaeal peroxiredoxin upon oxidation
	Speaker	Tsutomu NAKAMURA (nakamura-t@aist.go.jp) National Institute of Advanced Industrial Science & Technology (AIST), Japan
13:10	LUNCH	
14:00- 16:00	Student Training for Advanced Research Recitations - STAR Session 10 students with 12 min each (10+2 min)	
16:00- 16:30	Tea Break and Poster Session	
16:30-18:30	Lab visit and putting up DAILAB name plate Move to the venue for Scientific Interactions and Networking	