

Extension Activities

Department of Genetics

Mentorship of the Indian Olympiad team (Biology), Tehran – July 2018

- The team won 4 silver medals
- (need photos to be forwarded)



CERTIFICATE OF PARTICIPATION

This is to certify that

Pradeep Kumar Burma
from India

has participated as a

Jury

at the 29th International Biology Olympiad,
Shahid Beheshti University, Tehran, Iran, July 15-22, 2018

Prof. Saman Hosseinkhani
Chairman of IBO Organization

Dr. Fatemeh Mohajerani
Vice Minister of Education

Prof. Hassan Sadough
Chancellor of Shahid Beheshti University

Curtain Raiser event organized in an online mode by INSA for the India International Science Festival 2020 on COVID-19 - वैश्विक महामारी

YouTube link:

<https://youtu.be/4B79qB21nDc>

A CURTAIN-RAISER FOR IISF 2020 BY
INDIAN NATIONAL SCIENCE ACADEMY, NEW DELHI। भारतीय राष्ट्रीय विज्ञान संस्थान, नई दिल्ली

COVID-19 वैश्विक महामारी

4 PM | December 8, 2020
Session facilitator: Dr. C.M. Nautiyal
Live on: youtube.com/c/INSAsince1935



				
Prof. Subrata Sinha	Dr. Tapasya Srivastava	Dr. Archna Singh	Dr. Rajeev Kaul	Prof. Anant Mohan
Department of Biochemistry	Department of Genetics	Department of Biochemistry	Department of Microbiology	Dept. of Pulmonary Medicine & Sleep Disorders
AIIMS, New Delhi	University of Delhi, South Campus	AIIMS, New Delhi	University of Delhi, South Campus	AIIMS, New Delhi

IISF 2020 is jointly organized by Ministry of Science & Technology, Ministry of Earth Sciences and Ministry of Health & Family Welfare in association with Vijnana Bharati (VIBHA) during 22-25 December, 2020 <https://www.scienceindiafest.org/>

• Session

1. Prof Subrata Sinha (30 minutes) – मानवजाति और महामारी
2. Dr Tapasya Srivastava (20 minutes) – कोरोना वायरस - संक्रमण और रोकथाम
3. Dr Archna Singh (20 minutes) – COVID19 संक्रमण में मास्क की भूमिका
4. Dr Rajeev Kaul (20 minutes) कोविड19 वैश्विक महामारी – पहचान, रोकथाम और वैक्सीन
5. Prof Anant Mohan (30 minutes) कोविड19 -लक्षण और उपचार (आक्सीजन थेरेपी और वेंटिलेटर)

Faculty - Prof Tapasya Srivastava (Session Speaker and Co-Convener)

Visited Al Ain University, UAE to mentor and interact with the Academic Team hosting the International Junior Science Olympiad at Dubai in December 2021.

- Photos to be uploaded



UNITED ARAB EMIRATES
MINISTRY OF EDUCATION



أولمبياد العلوم الدولي للتاسعين الثامن عشر
18th International Junior Science Olympiad
في الامارات العربية المتحدة - UAE - Dubai

Certificate of Appreciation

Presented To

Prof. Pradeep Burma

(Academic Committee Member)

in recognition of successful participation

By

The Ministry of Education

in the **18th edition of the International Junior Science Olympiad (Hybrid)**
held from 12th to 21st December 2021 in Dubai UAE



(H.E) Dr. Amna Al Dahak Al Shamsi

Assistant Undersecretary for Care and Capacities Building, MoE, UAE

Dr. Pareesh Joshi

President, IJSSO

VIGYAN CHAUPAL FOR GOVT. & PVT SCHOOL STUDENTS (WITH ACBI & AIIMS) – 25th November 2022



Is happy to host the school student science outreach program in collaboration with faculty from University of Delhi and AIIMS, New Delhi



ACBI VIGYAN CHAUPAL

25th NOVEMBER 2022
10:00 AM – 1:00 PM
ICAR Convention Centre Lawns

- ▽ Interactive talks on **Genes, Diseases and Biomarkers**
- ▽ **Demonstration** of commonly used assays in Biomarker Discovery and Diagnostics
- ▽ Writing competition (200 words) – **सीखा आज पेहली बार / Today I learnt (TIL)**
- ▽ Interaction over **posters** and with faculty
- ▽ Fun-filled **Quiz** on Science
- ▽ **Prize distribution**

Conveners:

Prof Tapasya Srivastava
Department of Genetics, University of Delhi
Prof Kunzang Chosdol
Department of Biochemistry, AIIMS New Delhi

Participating scientists: from UDSC-Dr. Jonita Chongtham, Sanchit Gandhi, Shruti Khanna, Shikha Kaushik, Pooja Ghorawat, Deepali Chaudhry; from AIIMS -Sanjeev Goswami, Manvi Arora

Our sponsors for the event



Faculty: Prof Tapasya Srivastava

Ramjas School workshop– Learning through innovative experiments (LIE) – 4th Feb 2023



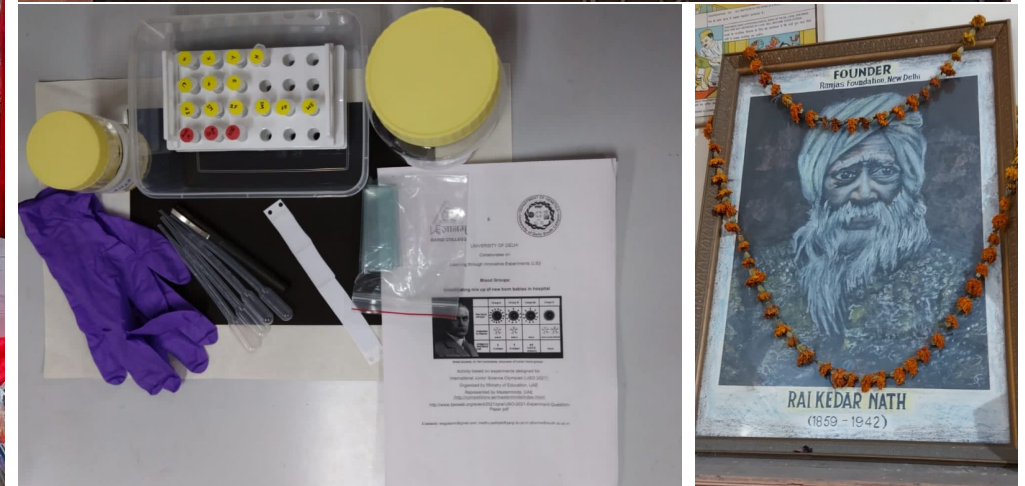
वेदानम्
Gargi College
and
Department of Genetics
University of Delhi South Campus
collaborates for
"Learning through Innovative
Experiments (LIE)"

Workshop on
Blood group typing : Simulation Experiment

Mentors
Dr. Pradeep Kumar Burma (Department of Genetics) Dr. Madhu Yashpal (Gargi College) Dr. Kuntal (Gargi College)

Date- 4th Feb 2023 **Venue-** Ramjas Senior Secondary School, Number 3, Chandni Chowk, New Delhi, Delhi 110006.

Time- 10 am onwards



Faculty: Prof Pradeep K Burma

Hosting FIASConversations

LECTURE SERIES
FIASCONVERSATIONS


CHALLENGES AND OPPORTUNITIES OF
**MICROTUBULE-TARGETED
CHEMOTHERAPY**



PROF. DULAL PANDA
DIRECTOR
NIPER, MOHALI

LECTURE SERIES #5
FIASCONVERSATIONS

**GENOMICS FOR FOOD AND
NUTRITION SECURITY**



**PROF. RAJEEV
VARSHNEY**
Director
Centre For Crop &
Food Innovation,
Food Futures Institute,
Murdoch University
Australia

25 MAY 2022
3:30 PM (IST)
6:00 PM (AWST)

Registration is free but mandatory.
Please click anywhere on this
box to register.

FIASConversations
SPECIAL SEMINAR


**PLANT SCIENCE, AGRICULTURE
AND FOOD SECURITY**



**PROF. CHRISTINE
FOYER**
School of Business, College of
Life and Environmental Sciences
University of Birmingham
VAJRA Faculty and ADJUNCT
PROFESSOR at Department of Plant
Medicine

Lecture Series #10
FIASCONVERSATIONS


**Structure-assisted discovery of
antivirals against RNA viruses**



**PROF. SHAILLY
TOMAR**
Department of Biosciences
and Bioengineering
IIT-ROURKEE

Lecture series #13
FIASCONVERSATIONS

**CYBERSECURITY
AWARENESS**



**MR. NAVEEN
KUMAR
GROVER**
ZONAL SALES HEAD
SOPHOS
TECHNOLOGIES
PVT.LTD.

25th January 2023
9:00 AM - 1:00 PM

Lecture series#16
FIASCONVERSATIONS

**CURRENT AND FUTURE
PROSPECTS OF GENE THERAPY IN
TREATMENT OF (RARE) DISEASES**




**DR.
SUDHA BABU**
Director, Regulatory CMC
(Chemistry, Manufacturing
and Controls)
Spark Therapeutics
Philadelphia

14th April 2023

#NationalScienceDay Special Edition
FIASCONVERSATIONS

Today's Students and the
Shaping of Science in 2047



**PROF.
KRISHNASWAMY
VIJAYRAGHAVAN**
PRINCIPAL SCIENTIFIC ADVISOR
to GOVT. OF INDIA


28 FEB 2022
1:00 PM

Hosted by
FACULTY OF

28 FEB 2022
3:30 PM
Registration is free but mandatory.
Please click anywhere on this
box to register.

LECTURE SERIES
FIASCONVERSATION

**IN CONVERSATION WITH A
COMPUTATIONAL BIOLOGIST**




**Dr. KUMARDEEP
CHAUDHARY**
SENIOR SCIENTIST
CSIR-IGIB

23 FEB 2022
3:30PM

Registration is free but mandatory.
Please click anywhere on this
orange box to register.

LECTURE SERIES #7
FIASCONVERSATION

LAB ↔ LIFE ↔ LEH




**PROF.
SANDEEP
VERMA**
SECRETARY
Science and Engineering
Research Board

19 JULY 2022
3:30PM

HOSTED BY
FACULTY OF
INTERDISCIPLINARY AND
APPLIED SCIENCES
UNIVERSITY OF DELHI
SOUTH CAMPUS

Lecture Series #8
FIASCONVERSATIONS

**A Beautiful Mind :
Social Cognition and Consciousness
in Bonnet Macaques**



**PROF.
ANINDYA
'RANA' SINHA**
National Institute of Advanced
Studies, Bangalore
Centre for Neuroscience, Indian
Institute of Science, Bangalore
Cotton University, Guwahati

30th November 2022
3:30PM

Click [Here](#) to Register and receive
the login on your email.
(Registration is free and mandatory)

Lecture Series #11
FIASCONVERSATIONS

**Delineating Survival Strategies
Employed by
Mycobacterium Tuberculosis**




**DR.
VINAY K.
NANDICOORI**
Director,
CSIR-Centre for Cellular
and Molecular Biology
(CCMB) Hyderabad

27th February 2023
11:00AM - 12:00PM

HOSTED BY
FACULTY OF
INTERDISCIPLINARY AND
APPLIED SCIENCES
UNIVERSITY OF DELHI
SOUTH CAMPUS

Lecture series#14 #NSD
FIASCONVERSATIONS

**FAITHFULLY PROMISCUOUS -
A TWIST IN THE TAIL FOR DYNEIN
FUNCTION DURING MITOSIS**



**PROF.
SIVARAM V. S.
MYLAVARAPU**
Regional Centre for
Biotechnology,
Faridabad

24th May 2023
3:30PM - 5:00PM

HOSTED BY
FACULTY OF
INTERDISCIPLINARY AND
APPLIED SCIENCES
UNIVERSITY OF DELHI
SOUTH CAMPUS

Lecture Series #9
FIASCONVERSATIONS

**EXTRACELLULAR VESICLES ASSOCIATED
miRNAs IN ACTION: MECHANISM OF
PACKAGING, TRANSPORT, AND DELIVERY**



**PROF. SUVENDRA NATH
BHATTACHARYYA**
Professor of Biochemistry
and Molecular Biology,
Senior Principal Scientist
CSIR-Indian Institute of
Chemical Biology, Kolkata

28 SEPTEMBER 2022
3:30PM

Click [Here](#) to Register and receive
the login on your email.
(Registration is free and mandatory)

Lecture series#17
FIASCONVERSATIONS

**UNDERSTANDING THE SOCIAL
LANGUAGE OF BACTERIA:
SPEAK OR NOT TO SPEAK?**



**DR.
SUBHADEEP
CHATTERJEE**
Staff Scientist,
Centre for DNA
Fingerprinting &
Diagnostics (CFD)
Hyderabad

31st March 2023
3:30PM - 4:30PM

Click [Here](#) to Register and
receive the login on your email.
(Registration is free and
mandatory)

LECTURE SERIES #4
FIASCONVERSATIONS

**BEING CERTAIN IN UNCERTAIN TIMES
-THE WAY FORWARD**




**DR. SURUCHI
MITTAR**
OD Consultant,
HR Strategist,
People Analytics,
Leadership Coach,
Author, Academician

28 APR 2022
3:30PM

Registration is free but mandatory.
Please click anywhere on this
box to register.

LECTURE SERIES #6
FIASCONVERSATIONS

**Membrane Compartmentalization
of Protein Complexes Regulate
accurate Spindle Dynamics and
Cytokinesis in Human Cells**



**Dr. Sachin
Kotak**
Microbiology & Cell Biology
Indian Institute of Science
Bangalore

29 JUNE 2022
3:00PM

REGISTRATION IS FREE
BUT MANDATORY
PLEASE CLICK ANYWHERE
ON THIS BOX TO
REGISTER.

Lecture Series #12
FIASCONVERSATIONS

BOOK READING
Read a thought provoking excerpt/page from a book
(2-3 minutes) whose learning you would like to share
with everyone

**OPEN DISCUSSION ON
SCIENCE & SOCIETY**
Are we doing it right?

30th December 2022
3:30 - 4:30 PM

Biotech Rocks/
Garden

Lecture series#15
FIASCONVERSATIONS

**DRUG REPOSITIONING/REPURPOSING:
PROMISING STRATEGY TO DEVELOP
THERAPY AGAINST VIRAL INFECTIONS**




**DR.
ANIRBAN
BASU**
National Brain
Research Centre,
Manesar

24th June 2023
2:30PM - 4:00PM

HOSTED BY
FACULTY OF
INTERDISCIPLINARY AND
APPLIED SCIENCES
UNIVERSITY OF DELHI
SOUTH CAMPUS

Lecture Series #18
FIASCONVERSATIONS

**CELL SIGNALING MOLECULES IN HYDRA
INSIGHTS INTO EVOLUTIONARILY ANCIENT
FUNCTIONS OF SIGNALING PATHWAYS**




**DR. SURENDR
GHASKADBI**
MACS
AGHARKAR RESEARCH
INSTITUTE, PUNE

30 MAR 2022
3:30PM

Registration is free but mandatory.
Please click anywhere on this
orange box to register.

Lecture Series #19
FIASCONVERSATIONS

**Cell Signaling Molecules in Hydra
Insights into Evolutionarily Ancient
Functions of Signaling Pathways**



**DR. SURENDR
GHASKADBI**
MACS
AGHARKAR RESEARCH
INSTITUTE, PUNE

30 MAR 2022
3:30PM

Registration is free but mandatory.
Please click anywhere on this
orange box to register.

Lecture Series #20
FIASCONVERSATIONS

**Cell Signaling Molecules in Hydra
Insights into Evolutionarily Ancient
Functions of Signaling Pathways**



**DR. SURENDR
GHASKADBI**
MACS
AGHARKAR RESEARCH
INSTITUTE, PUNE

30 MAR 2022
3:30PM

Registration is free but mandatory.
Please click anywhere on this
orange box to register.

Academic Team of Organizers at the International Biology Olympiad at UAE University & Ministry of Education, UAE.

- (photos to be uploaded)



وزارة التربية والتعليم
MINISTRY OF EDUCATION



جامعة الإمارات العربية المتحدة
United Arab Emirates University

★ ★ ★ Certificate ★ ★ ★
of participation

Presented to

Pradeep Burma

For successful contribution as a

Member, Scientific Committee

34th International Biology Olympiad

Al Ain, United Arab Emirates

2nd to 11th July, 2023

H.E. Dr. Amna Al Dahak Al Shamsi
Chairperson, 34th IBO &
Assistant Undersecretary for Care and
Capacity Building Sector,
Ministry of Education, UAE

RNDr. Lenka Libusová, PhD.
Chairperson, International
Biology Olympiad e.V.

أولمبياد الأحياء الدولي
الرابع والثلاثون
الإمارات العربية المتحدة 2023



**34th International
Biology Olympiad**
United Arab Emirates 2023



مناهزات الأحياء
Biology Masterminds



وزارة التربية والتعليم
MINISTRY OF EDUCATION

Dear Prof. Pradeep Kumar Burma,

We extend our sincere gratitude on behalf of the Ministry of Education, UAE, for your invaluable mentorship in the Masterminds program. Your guidance on molecular biology and genetics have significantly enriched our high school students' learning experiences, preparing them for their future pursuits.

Your dedication and commitment to guiding our students in the fields of **molecular biology** and **genetics** have not gone unnoticed. Your 20 hours of interaction, during which you shared your profound knowledge and expertise, have left a lasting impact on our young minds. Your insights into these complex subjects have not only broadened their horizons but have also inspired them to pursue their interests in these areas further.

We eagerly anticipate the possibility of future interactions to continue fostering their growth and knowledge.

Thank you for your dedication.

Sincerely

Abdallah El Marhoune

Skills Development Specialist

Entrepreneurship and Innovation Department

Ministry of Education, UAE