



JSS Academy of Higher Education & Research

(Deemed to be University) Accredited "A+" grade by NAAC

Division of Biochemistry, School of Life Sciences, Mysuru



DST-SERB Sponsored INTERNATIONAL CONFERENCE ON GENETICS AND EPIGENETICS OF CANCER

30th & 31st October, 2023

Venue: School of Life Sciences, Mysuru

JSS Academy of Higher Education & Research

Mysuru, Karnataka, India



A+



34th
University Category



351-400 2nd in INDIA
Subject Ranking - Clinical & Health
126-150



68th in ASIA
2nd in INDIA



301-350
Southern Asia
65



101-150
Medicine
651-680



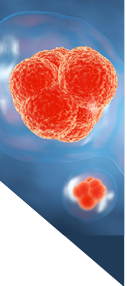
301-400
SDG - 3
16th GLOBALLY
1st in INDIA



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About JSS Academy of Higher Education & Research (JSS AHER)

JSS Academy of Higher Education & Research (JSS AHER), formerly known as JSS University, was established

in the year 2008 under Section 3 of the UGC Act 1956 and accredited by NAAC with A+ Grade and ranked 34 by NIRF, Ministry of Education, Govt of India. JSS AHER has four constituent colleges - JSS

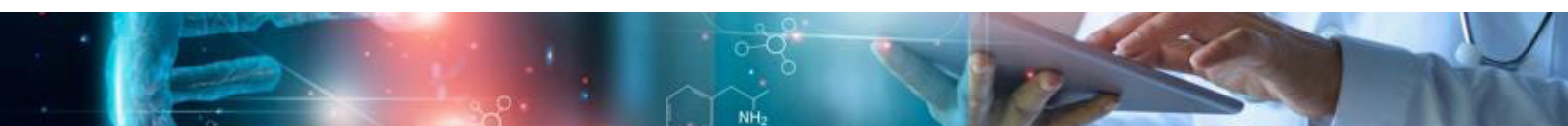
Medical College and Hospital, JSS Dental College and Hospital, JSS College of Pharmacy, Mysuru and JSS College of Pharmacy, Ooty. In addition,

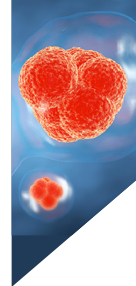
JSS AHER has taken initiatives to enhance community health education and outreach activities by establishing departments of Water and Health in the year 2011 and Health System Management Studies in the year 2012. With a view to expand the horizons in the field of basic health science, School of Life Sciences was also initiated in the year 2013. JSS Mahavidyapeetha, has been a guiding force providing support and encouragement to the JSS AHER and its initiatives. The Deemed to be University has been focusing on teaching, research, and health services since its inception.

JSS AHER having embraced 'Globalization' has embarked on the international path through strategic initiatives and collaborations. To promote research and inculcate research attitude in the students JSS AHER established 'Seven' Center of Excellence (CoE). Further, JSS AHER established Central Instrumentation Center at JSS College of Pharmacy, Mysuru with advanced facilities for a cutting-edge research.

About School of Life Sciences, Mysuru

The School of Life Sciences (SLS), Mysuru was established in the year 2013 with the blessings of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, the Chancellor of JSS Academy of Higher Education & Research, Mysuru. The school stands today as a unique institution in the country known for multidisciplinary and interdisciplinary teaching and research in life sciences. The SLS is enunciated in the JSS Academy of Higher Education & Research Strategic Planning Framework. It has a vision and a mission of achieving national and international distinction while strengthening local relevance. The unique courses offered under National Education Policy (NEP) 2020 covers a wide spectrum of biochemical, biomedical, and environmental sciences areas. In addition, many value-added programs have been initiated in the SLS, Mysuru to further provide additional knowledge, which is in alignment with United Nations Sustainable Developmental Goals (UN-SDGs).





About the Division of Biochemistry

Division of Biochemistry was established in the year 2014 under the School of Life Sciences. Currently, the division is offering undergraduate (B.Sc.) and postgraduate (M.Sc.) programs in Biochemistry. The curriculum delivers in-depth knowledge in Biochemistry from basics to advanced applications in Biological Sciences and Health Sciences. It is designed and upgraded based on suggestions / demands of the stakeholders including students, academic/ research/ industrial experts. The Division offers a range of specialized/ optional modules that foster their academic/ research/ career interest. Special interest is also taken to nurture Life Sciences Skill Sets for more Employability and Entrepreneurship. In addition, curricular (Science events) and co-curricular (cultural/ sports/ NSS) activities are organized time-to-time to facilitate the holistic growth of the students.

The Division also offers Doctoral Programs focused on thrust areas of research viz., Cancer Biology & Green Nanomedicine, Neuroimmunology, Snake Venom Pharmacology, Mitochondrial Metabolism, Detoxification, Hypertension, Cardiovascular and Pulmonary Medicine, Plant Physiology, Molecular Biology and Biochemistry and Biotic Stress Studies. The staff of Division of Biochemistry has received many research grants from DST-SERB, DBT-BIRAC, DST-WOS-A, ICMR, UGC and NIPER for conducting various research studies and Faculty of the department have published research articles in high impact peer reviewed journals.

About the Conference

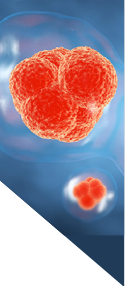
Background: In India, one in nine individuals has a lifetime risk of developing cancer. The number of cancer cases for the year 2022 (by the National Cancer Registry Program, India) was 14,61,427. Therefore, cancer prevention, control and treatment through early detection, risk reduction, advancements in drug discovery, and precision medicine is the need of the hour. Genetics and epigenetics play crucial roles in the development and progression of cancer. Genetic mutations, both inherited and acquired, can disrupt normal cellular processes, while epigenetic modifications can alter gene expression patterns. Hence, understanding these mechanisms is critical and paves the way for precision medicine, tailored treatment methods to target specific molecular abnormalities, and contribute to the advancement of cancer research, diagnosis, and treatment.

Concept and purpose: The objective of this conference is to provide most recent concepts in the areas of genetics and epigenetics of cancer. With a focus on the most recent advancements in the subject, the conference features a diverse choice of presenters and speakers from renowned institutions and organizations in USA as well as in India. The two-day scientific convention fosters the development of enduring scientific communities and building research collaborations. In addition to the keynote address, and expert lectures the conference also features poster presentations. Additionally, it provides an opportunity for casual networking with eminent scientists in the field.

The focal point of the conference is to address the leading-edge technology and computing approaches that decipher the mechanistic insights attributed to the genome and epigenome studies. Technological advancements such as single-cell genomics and CRISPR-based tools and their application in unraveling the evolution and heterogeneity of cancer in terms of genetics, epigenetics, and genome topology will be addressed. The growing functions of the non-coding genome and epitranscriptome in cancer and how they influence potential therapeutic approaches will be highlighted.

Difficulties in developing next-generation cancer genomics research and integrating vast amount of cancer genomics data are other key aspects of this conference. Numerous cancer researchers, molecular biologists, and bioinformaticians who are interested in using the most recent genetic and epigenetic findings in their study of cancer should find this conference to be of utmost interest.





Resource Persons



Dr. Jamboor K Vishwanatha

Regents Professor and Vice President
Institute for Health Disparities
University of North Texas
Health Science Center, USA



Dr. Rana Pratap Singh

Professor of Cancer Biology &
Former Pro-Vice Chancellor,
School of Life Sciences. Jawaharlal
Nehru University. New Delhi, India.



Dr. S. Sri Krishna

Professor & Head Department
of Biochemistry,
Banaras Hindu University,
Varanasi, Uttar Pradesh, India



Dr. Sathees C Raghavan

Professor,
Department of Biochemistry,
Indian Institute of Science,
Bangalore, Karnataka, India



Dr. Jessy Abraham

Additional Professor,
Department of
Biochemistry, All India
Institute of Medical
Sciences, Raipur,
Chhattisgarh, India



Dr. Syed Musthapa Meeran

Senior Principal Scientist,
Division of Biochemistry
CSIR-Central Food
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Dr M H Swaminath

IFS Director,
Bio-diversity Board
of Government of Karnataka,
Sustainable Forestry Association,
Director Climate change Aranya.
Bengaluru, Karnataka, India



Dr. Pratibha Ranganathan

Assistant Professor, Centre
for Human Genetics,
Electronic City, Bangalore,
Karnataka, India



Dr. Dhanalakshmi Sivanandhan

Vice President,
Jubilant Therapeutics Inc
Bengaluru, Karnataka, India



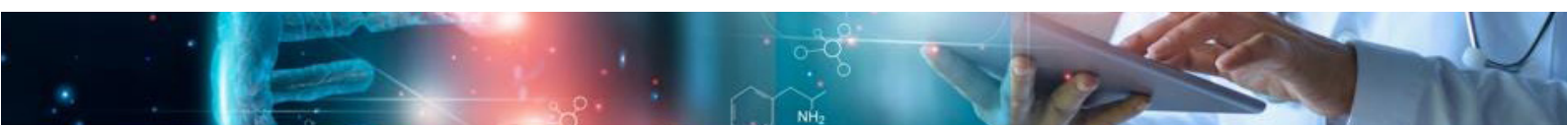
Dr. Akila Prashant

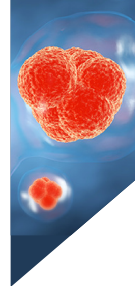
Professor & Head
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Karnataka, India



Dr. SubbaRao V. Madhunapantula

Professor, Department
of Biochemistry,
JSS Medical College,
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Jagadguru Sri Veerasimhasana Mahasamsthana Math, Sri Suttur Kshethra
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Dean, School of Life Sciences, Mysuru
JSS Academy of Higher
Education & Research

Co-Convener

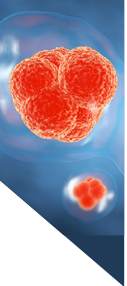
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Assistant Professor & Course
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School of Life Sciences, Mysuru
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Dr. Rajesh Kumar T. (Co-in charge)
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Ms. Medha Karnik
Ms. Harshitha
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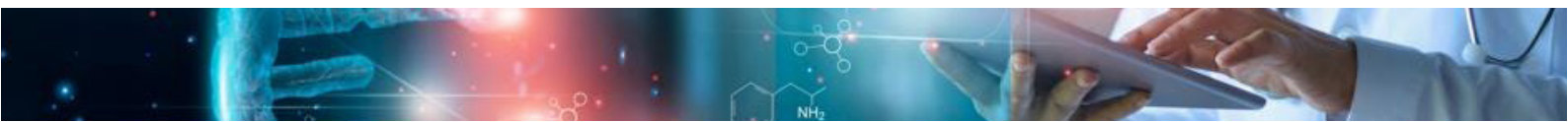
Contact details for Registration, Travel and Accommodation

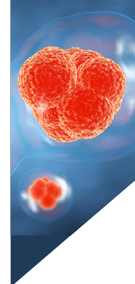
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Ms. Medha Karnik 8618716295
Ms. Sahana S 9739206460

For Travel and Accommodation

Dr. Shiva S 9844068846
Dr. Anil Kumar K. M. 9964769330





Thematic Areas

- Cancer Biology
- Cancer Stem Cells and Therapeutics
- Cancer Pharmacology
- Naturally occurring anticancer agents
- Cancer Nanotheranostics
- Drug design, discovery, and development
- Molecular Epidemiology of Cancer
- Targeted therapeutics for Cancer
- Cancer Epidemiology
- Personalized Medicine
- Micro RNA in Cancer Diagnosis and Treatment
- Mouse models of Cancer
- Epigenetic Mechanisms
- Pharmaceutical Chemistry

Registration

Early Bird Registration (Till 30th September 2023)

Participant	Amount (Rs. Including GST)
Students / Research Scholars	600/-
Research Associates/ Faculty/ Post Doctoral Fellows	1200/-
Industry (Start- ups/ Private)	3000/-

* Late Registration (1st October – 15th October, 2023)

Students / Research Scholars	1000/-
Research Associates/ Faculty/Post Doctoral Fellows	2000/-
Industry (Start- ups/ Private)	5000/-

Spot Registration (30th and 31st October, 2023)

Students/Research scholars	1500/-
Research Associates/ Faculty/Post Doctoral Fellows	2500/-
Industry (Start- ups/ Private)	6000/-

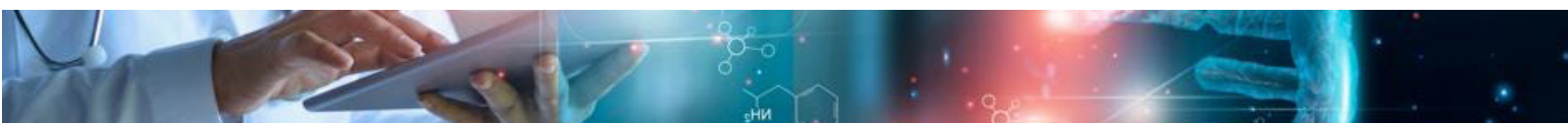
Abstract Format

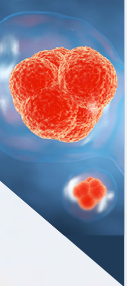
Abstract (250 words excluding title, authors and author affiliations, Font to be used in the abstract: Arial)

- Title (Font size: 14 bold)
- Authors and affiliations (Font size: 12; Underline and bold the presenting author)
- Keywords- Minimum four keywords
- Corresponding author (Font size-12; Provide affiliation and contact details)
- Background
- Materials and Methods
- Results and Discussion
- Conclusions
- Last Date for Submission of Abstract: 15th October 2023

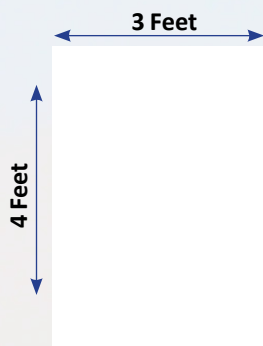
**Prior registration is mandatory to submit the abstract.*

****Abstract submissions after 30th September 2023 till 15th October 2023 are considered late submissions and will be subjected to additional registration fees as detailed in Late Registration (1st October – 15th October 2023). No Abstract will be accepted after 15th October 2023.***





Poster dimension



For Registration
Scan this QR Code



Note: At the time of abstract submission,
the presenting author has to provide the registration details to the
E mail: icgec2023@jssuni.edu.in

For any additional information contact:

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Dr. SubbaRao V. Madhunapantula
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About Mysuru city

Mysuru is a cultural capital of Karnataka and is well known for its heritage structures and palaces. Mysuru is located at the foothills of Chamundi Hills, Mysuru State. The Kingdom of Mysuru was ruled by Wadiyar Dynasty and served as capital city from 1399 until 1956. Mysuru is well known for Mysuru Dasara, State festival of Karnataka. The cultural city is also famous for Mysore silk sarees, Mysore Pak, Mysore Peta, Mysore Sandal Soap, etc.

Local Sightseeing and Tourist Places to Visit in and around Mysuru

Distance (km.) from City Bus Stand (CBS)

Chamundi Hills

Distance from
CBS: 12 km



Brindavan
Garden
(KRS)

Distance from
CBS: 20 km



Folklore
museum

Distance from
CBS: 4.2 km



Mysuru Palace

Distance from CBS: 750m



St. Philomena's
church

Distance from
CBS: 3.4 km.



Mysore
Zoo

Distance from
CBS: 2.7 km



Karanji
Lake

Distance from
CBS: 3.5 km