



International seminar on “Regenerative Medicine and Chronic Degenerative Diseases and Role of Omics and Bio markers in Health”

March 9, 10 & 11- 2018

Organised by: Department of Zoology, University of Kerala, Faculties under Science, University of Kerala, Society for Advancements in Regenerative Medicine Tissue Engineering and Stem Cell Research-India

In Association with: General Hospital, Thiruvananthapuram, Government Medical College, Thiruvananthapuram, Trivandrum Medical College Alumni Association, IMA, Thiruvananthapuram

Venue: Diamond Jubilee Alumni Auditorium (Old Auditorium, Govt. Medical College, Thiruvananthapuram

March 9th, Friday, 2018

01.30 pm-02.30 pm: **Registration**

02.30 pm-03.00 pm: **Technical programmes 1: Organ Regeneration & Therapy (KSIDC Talk)**

Chairpersons: Prof./Dr. Oommen V. Oommen. PhD

(Former Chairman, Kerala State Biodiversity Board, Emeritus Scientist, Dept. of Comp. Biology & Bioinformatics, University of Kerala, Thiruvananthapuram)

Dr. Unni Chandrasekharan, PhD

(Staff, Lerner Research Institute, Cleveland Clinic, USA)

PL.1: Prof. /Dr. Parameswaran Hari. MD, MRCP,

MS (Medical College of Wisconsin, USA)

“Cellular Therapy: Cancer, CAR-T cells and Beyond Cancer”

03:00 pm- 04:00 pm: **Inaugural function**

04:00 pm- 04:45 pm: **Technical programmes 1 Cont.: Organ Regeneration & Therapy (KSIDC Talk)**

PL.2: Prof. /Dr. Suchitra Sumitran-Holgersson, PhD

(Faculty of Clinical Sciences, Sahlgrenska Academy. The University of Gothenburg, Sweden.)

“Recycling & Redesigning Human Organs”

04:45 pm- 05: 15 pm: **High Tea/Coffee**

March 10, Saturday, 2018

9:30 am-01: 00 pm: **Technical programmes 2: Omics, Biomarkers & Disease Diagnosis**

Chairpersons: Prof./Dr. P R Sudhakaran

(Former Prof. & Head, Dept. of Biochemistry, Emeritus Scientist, Dept. of Comp. Biology & Bioinformatics University of Kerala, Thiruvananthapuram)

Dr. Sanjay Basak, PhD

(Scientist D, Assistant Director, National Institute of Nutrition, India)

9:30 am-10:00 am: **PL.3: Dr. A. Jayakrishnan PhD**

(Former, Vice Chancellor, University of Kerala, School of Biosciences, Indian Institute of Technology, Madras.)

“Novel Nanotechnological Approaches to the Treatment of Leishmaniasis Using 2-Propyl Quinoline”.

10:00 am-10:25 am: **IL.1: Dr. Unni Chandrasekharan, PhD**

(Staff, Lerner Research Institute, Cleveland Clinic, USA)

“Novel TNFR2-specific signalling pathways in Inflammation”

10:25 am-10:50 am: **IL.2: Dr. Satheesan B MS, Mch, DNB**

(Director, Malabar Cancer Centre Kannur)

“Regenerative medicine- an oncologist’s expectations”.

10:50 am -11:15 am: **IL.3: Dr. Sabu Thomas, PhD**

(Scientist E-II, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram)

“Identification of broad-spectrum antibiofilm drug targets in Vibrionaceae family using multi-omic approach”.

11:15 am -11:30 am: **Tea/Coffee Break**

11:30 am -11:55 am: **IL.4: Dr. E Sreekumar, MVSc, PhD**

(Scientist E-11, Rajiv Gandhi Centre for Biotechnology (RGCB),

Thiruvananthapuram)

“Role of ‘omics’ approaches in understanding host cellular responses to Dengue virus infection”

11:55 am -12:20 pm: **IL.5: Dr. Alok C. Bharti, PhD**

(Professor, University of Delhi (North Campus), Delhi)

“Role of Viral Oncoproteins in Maintenance of Stemness in Cervical Cancer Cells and Manifestation of Chemoresistance”.

12:20 pm -12:45 pm: **IL.6: Dr. Ismail Siyad, MD, DNB DM**

(Senior Consultant, Department of Gastroenterology & Hepatology
Aster Medcity, Kochi, Kerala)

“Biomarkers in Non-alcoholic Fatty Liver Disease”

12:45 pm -01:00 pm: **Special Talk**

Prof./Dr. Suchitra Sumitran-Holgersson, PhD

(Faculty of Clinical Sciences, Sahlgrenska Academy. The University of Gothenburg,
Sweden)

“Tissue-engineering of organs: A new frontier in regenerative medicine”

01:00 pm -01:45 pm: **Lunch Break/Poster Session**

01:45 pm-03:25 pm: **Technical programmes 3: Stem Cell Research & Therapy**

Chairpersons: Prof./Dr. Alok C. Bharti, PhD

(Professor, University of Delhi (North Campus), Delhi)

Dr. Benno Pereira, PhD

(Asst. Prof., Dept. of Zoology, University of Kerala, Thiruvananthapuram)

01:45 pm-02:10 pm: **IL.7: Dr. M Natesh Prabhu, MD**

(Department of Pharmacology, Dhanalakshmi Srinivasan Medical
College and Hospital, Perambalur)

*“Personalized Stem Cell Therapy or “Regenerative Therapies for Erectile
Dysfunction and Male Infertility”*

02:10 pm-02:35 pm: **IL.8: Dr. Vivek Singh, PhD**

(Scientist, L.V. Prasad Eye Institute, Hyderabad, India)

*“Mesenchymal Stem Cells derived from Limbal tissue for Corneal Regeneration
and Wound Healing”.*

02:35 pm-03:00 pm: **IL.9: Dr. Ajaikumar. B. Kunnumakkara, PhD**

(Department of Biosciences and Bioengineering,
Indian Institute of Technology Guwahati.)

*“Role of Solute Carrier Proteins in the Development of Human Oral Squamous Cell
Carcinoma”.*

03:00 pm-3:25 pm: **IL.10: Dr. Sanjay Basak, PhD**
(Scientist, ICMR, National institute of Nutrition, Hyderabad)
“Nutritional enrichment of dietary fats: an early and lifelong benefit”

03:25 pm-03:40 pm: **Tea/coffee Break**

03:40 pm-05:05 pm: **Technical programmes 4: Regenerative & Alternative
Therapy** **Chairpersons: Dr. Biju P G**
(Asst. Prof., Dept. of Biochemistry, University of Kerala)

Dr. Vivek Singh
(Scientist, L.V. Prasad Eye Institute, Hyderabad, India.)

03:40 pm-04:05 pm: **IL.11: Prof./Dr. Robert Mathew, MD DM**
(Dept. of Neurology, SreeMookambika Institute of Medical Science, Kanyakumari)
“Biomarkers in Alzheimer’s dementia”

04:05 pm-04:30 pm: **IL.12: Dr. Raj Mohan, MD**
(Professor, Govt. Ayurveda Medical College, Kannur)
“Regenerative medicine – Lead from Ayurveda”

04:30 pm-04: 55 pm: **IL.13: Dr.Mohamed Jaabir, MS PhD**
(Asst. Professor, Department of Biotechnology, National College (Autonomous),
Tiruchirapalli)

*“Effect of Aqueous Extract Of Hibiscus Rosa-Sinensis Petal on Differentiation of
Human Adipose-Derived Mesenchymal Stem Cells (Hasc) into Cardiomyocytes”*

04:55 pm- 05: 05 pm: **OP.1: Ragesh R. Nair**
(PhD. Scholar, JNTBGRI, Palode, Thiruvananthapuram)
*“Protective effect of Tetracera akara via inhibition of biomarkers of liver fibrosis
(TNF & TIMP)in CCL₄ induced wistar rats – A novel Therapeutic approach”*

March 11, 2018

9:30 am-11: 20 am: **Technical programmes 5: Disease Biology & Novel Therapeutics**
Chairpersons: Prof./Dr. Suchitra Sumitran-Holgersson, PhD
(Faculty of Clinical Sciences, Sahlgrenska Academy, The University of Gothenburg,
Sweden)

Dr. A. Gangaprasad PhD
(Asst. Prof., Dept. of Botany, University of Kerala)

09.30 am-09:500 am: **IL.14 Prof./Dr. A. George Koshy, MD, DM**
(Prof. & Head, Cardiology, Govt. Medical College, Thiruvananthapuram)
“Use of biomarkers in the diagnosis of Acute Coronary Syndromes”

- 09:50 am-10:20 am: **PL.4: Padmashri Prof./Dr. G. Vijayaraghavan, MD, DM**
(Vice- Chairman & Director, Dean, KIMS Hospital, Thiruvananthapuram)
“Role of High Sensitive Troponin T & N-Terminal ProBnp in Assessing the Pathophysiology & Prognosis in Sepsis Associated Myocardial Dysfunction”
- 10:20 am-10:40 am: **IL.15: Dr. Anil Kumar R, MD, DM, FRCP**
(Lead Senior Consultant, Aster Cardiac Sciences, Aster Medcity, Ernakulam.
“Biomarkers in heart failure: Current Concepts”
- 10:40 am-11:00 am: **IL.16: Prof./Dr. Jabbar. P K MD,DM**
(Prof. & Head, Dept. of Endocrinology, Govt. Medical College, Thiruvananthapuram)
“Antiaging Therapy-new frontiers”
- 11:00 am-11:15 am: **Tea/coffee Break**
- 11:15 am-12:55 am: **Technical programmes 6: Regenerative Medicine & Translational Aspects**
Chairperson: Dr. Ajaikumar B Kunnumakkara PhD
Department of Biosciences and Bioengineering, IIT, Guwahati.
Dr. S. Mini. PhD
(Asso. Prof: Dept. of Biochemistry, University of Kerala, Thiruvananthapuram)
- 11:15 am-11:35 am: **IL.17: Dr. T V Anilkumar, PhD (London)**
(Scientist G, Sree Chitra Thirunal Institute for medical Sciences and Technology, Thiruvananthapuram)
“Regenerative medical applications of porcine cholecyst-derived scaffold”
- 11:35 am-11:55 am: **IL.18: Dr. Ramachandran P. MS, Mch**
(Trichy Institute of Regenerative Medicine, Trichy)
“Utilization of mesenchymal stem cells for critical limb ischemia”
- 11:55 am-12:15 pm: **IL.19: Dr. M A Akbarsha PhD**
(Research Co-ordinator, National College (Autonomous), Tiruchirappalli)
“Embryonic stem cell lines in lab can acquire mutations: Studies call for effective genetic checks before use in regenerative medicine”
- 12:15 pm-12:35 pm: **IL.20: Dr. Biji Bahuleyan. MBBS, Mch.**
(Senior Neurosurgeon, Lisie Hospital, Kochi)
“Parkinson’s disease Basics and Advancements”

12:35 pm-12:55 pm: **IL.21: Dr Sankar V H MD, DM**

(Additional Professor & Consultant Geneticist, SAT Hospital
Government Medical College, Thrivananthapuram)

“Rare Diseases: The spectrum of Lysosomal storage disorders (LSD) in a tertiary care Hospital in Kerala and the mutational spectrum of Gaucher diseases in India”.

12:55 pm -02:10 pm: **Lunch Break/Poster Session Evaluation**

02:10 pm -03:40 pm: **Technical programmes 6: Rare & Neglected Diseases**

Chairperson: Dr. Ramachandran P. MS, Mch.

(Trichy Institute of Regenerative Medicine, Trichy)

Dr. Mohamed Jaabir. M.S. PhD

(Asst. Prof. Dept. of Biotechnology, National Collage, Tiruchirappalli)

02.10 pm -02.30 pm: **IL.22: Dr. Abhilash. T. P MD. DM**

(Consultant Cardiologist, Padmavathi Medical Foundation, Kollam)

‘Pathological and Clinical Aspects of Chronic Degenerative Coronary Disease’

02.30 pm-02.50 pm: **IL.23: Dr. Hazeena. K R MBBS, DNB**

(Neonatologist, NIMS Hospital, Thiruvananthapuram)

A Rare and Challenging Metabolic Disorder in a Neonate

02.50 pm-03.10 pm: **IL.24: Dr. Pranaya Badge MD, DNB**

(Consultant in Dermatology, Derma Vue, Thiruvananthapuram)

Skin Diseases and Psyche

Special Talk

03.10 pm-03.40 pm: **Prof./Dr. Suchitra Sumitran-Holgersson. PhD**

(Faculty of Clinical Sciences, Sahlgrenska Academy. The University of Gothenburg, Sweden)

“Skin regeneration using nature’s own scaffolds & Novel stem cell based therapies for liver and cardiovascular diseases”

03.45 pm-04.30 pm: **Concluding Session**

National Anthem

Tea/coffee

International Seminar

09-11
MARCH
2018

Regenerative Medicine and Chronic Degenerative Diseases & Role of Omics and Biomarkers in Health

3.0
EDITION



Organised by

Dept. of Zoology, University of Kerala
Faculties under Science, University of Kerala
Society for Advancements in Regenerative Medicine,
Tissue Engineering and Stem cell Research- India

In Association with

General Hospital, Thiruvananthapuram,
Government Medical College Thiruvananthapuram,
Trivandrum Medical College Alumni Association,
IMA, Thiruvananthapuram

Advisor

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MBBS, DGM (Geri) M.S.(LSE, UK), MSC (Reg. Med Canada)
Deputy Medical Superintendent
General Hospital, Thiruvananthapuram
Email - s.a.hafiz@gmail.com

Convenor

Dr. Syamsunder O.S. MD, Consultant in Medicine
(DNB coordinator), General Hospital, Thiruvananthapuram
Vice President, IMA Thiruvananthapuram Branch

Organizing Secretary & Treasurer

Dr. Sreejith Panicker, Ph.D., PGDSDC
Assistant Professor, Dept. of Zoology,
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Supported by

National Health Mission, Kerala
Kerala State Industrial Development Corporation Ltd. (KSIDC)



Registration Fee

PG & Research Students

Non stipendary - 500

Stipendary - 600

Faculties / Doctors - 850

Spot Registration - 1000

CME credit hours will be available

Accommodation will be arranged at request

DD/Cheque should be sent in the name of **Omics and Biomarkers** payable at Thiruvananthapuram.
Account details - **Omics and Biomarkers**
Account Number - 67324349388
IFSC code - SBIN0070043
Branch code - 70043

Venue-

Diamond Jubilee Alumni Auditorium

(Old Auditorium) Gov't Medical College, Thiruvananthapuram

Sponsorship

Platinum

50,000 -1 Lakh

Gold

25,000 - 50,000

Silver

10,000 -25,000



Registration ends
28 February 2018

Acceptance of payment
28 February 2018

Abstracts send before
28 February 2018

Name
Title
Address
.....
Phone.....
Email.....

Date of Birth

Accommodation

Accompanying Person