



PUSHPAGIRI

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COLLEGE
OF
DENTAL
SCIENCES



TRANSLATIONAL RESEARCH IN TISSUE ENGINEERING BIORADIANCE '22



23RD & 24TH
SEPTEMBER 2022

ONLINE GOOGLE MEET PLATFORM

23RD
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24TH
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ORGANIZED BY:

**Pushpagiri Research Centre & Department of Periodontics
Pushpagiri College of Dental Sciences**

**JOINTLY ORGANIZED WITH
Mahatma Gandhi University**

DAY 1

23RD SEPTEMBER 2022

Time	Topic	Content	Speaker
9:00-9:30	Inaugural session		Dr. Sabu Thomas , Vice Chancellor Mahatma Gandhi University, Kottayam
9:30-9:45	Tea break		
9:45-11:30	Introduction to translational science in oral health and the core principles of translational research	Application of scientific discoveries to the general public and a brief overview on various aspects of translational research	Dr. R. Ramya, Professor & Head, Department of Oral biology, Saveetha Dental College, Chennai
11:30- 12:30	Need for translational Research in Oral health	Various lacunae in oral health research, and the evolving change in the understanding of oral diseases	Dr. Baiju R. M., Additional Professor, Department of Periodontology, Government Dental College, Kottayam
12:30 – 1:30	Lunch break		
1:30- 2:30	Role of Government and Industry in the support and regulation of translational research	Various government schemes to promote translational research, measures to gain industrial support and various government policies that need to be taken in consideration while carrying out translational research	Dr. Nandakumar Kalarickal Senior Professor, School of Pure and Applied Physics & Director-in-charge School of Nanoscience, Mahatma Gandhi University, Kottayam
2:30- 3:30	Importance of addressing health disparities and inequities in translational research associated with regenerative dentistry	Current scenario of the regenerative dentistry and measures to enhance its role in the management and control of oral diseases	Dr. Harikumar K Professor, Department Periodontics, Government Dental College, Kozhikode
3:30-4:00	Current Status of Phototherapy in Periodontal Regeneration	It includes photo bio modulation, PDT, phototherapy in conjugation of nanotechnology etc.	Dr. Betsy Joseph MDS, PhD., MFDS RCPS (Glasg) Professor Department of Periodontics Saveetha Dental College and Hospitals Saveetha Institute of Medical And Technical Sciences, Chennai, India.
4:00-5:00	Poster Presentation		

DAY 2

24TH SEPTEMBER 2022

Time	Topic	Content	Speaker
9:00- 9:30	Translational research in the institution	Avenues for conducting translational research in the institution	Dr. Sabu Thomas Vice Chancellor, Mahatma Gandhi University Professor of Polymer Science & Engineering, School of Chemical Sciences Hon: Director, International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University Kottayam, Kerala
9.30 -10:15	Translating Research to Patients	Phase III clinical trials, observational studies, evidence synthesis, and clinical guidelines development followed by Phase IV clinical trials, health services research, and clinical outcomes research.	Dr. Melvin George Professor, Department of Clinical Pharmacology, SRM Medical College & Research Centre, Chengelpet, Chennai
10:15 – 10:30	Tea Break		
10:30 - 11:15	Role of Population health research	Translate findings from practices to the general population; insight into prevention and outcome studies, mass screening studies, and health policy studies.	Dr. Rajeev Aravindakshan M.D. Additional Professor and Head, Department of Community and Family Medicine, AIIMS Mangalagiri, Andhra Pradesh
11:15- 11:45	How to begin a career in translational research	A step-wise guide also various challenges and attractions of a career in translational research	Dr. T.V. Anil Kumar Scientist-G, Head of the Division of Experimental Pathology Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum

11:45-12:15	Translational research in the university	Identify and utilize resources available at the university level for translational research	Dr. Shantanu Patil Associate Director, SRM Innovation, Incubation & Entrepreneurship Centre Head, Department of Translational Medicine and Research, SRM Medical College, SRM Institute of Science & Technology, Kattankulathur, Tamil Nadu
12:15- 12:45	Qualitative and Quantitative assessment of in-vivo bone regeneration using biomaterials	An update on assessment techniques for in-vivo bone regeneration using biomaterials	Dr. Elna Paul Assistant Professor Pushpagiri Research Centre PIMS&RC Thiruvalla
12:45- 1:15	Lunch		
1:00- 1:30	Impediments in implementation of health care technologies developed from translational research	Highlights on current impediments to and measures to overcome them	Dr. Muhammad Ashraf P. Principal Scientist, Material Science & Environment, Fishing Technology Division, ICAR-Central Institute of Fisheries Technology, Cochin, Kerala
1:30- 2:00	Development, synthesis and validation of natural hydroxyapatite Content:	Various sources of natural hydroxyapatite, methods of synthesis and characterization	Dr. Binsi P.K. Senior Scientist, ICAR- Central Institute of Fisheries Technology, Cochin, Kerala
2:00-3:00	Preclinical Analysis of natural hydroxyapatite	Efficacy of natural hydroxyapatite amongst the in-vivo models	Dr. Santhosh Pillai Professor & Head, Department of Pharmacology, Pushpagiri Medical College, Tiruvalla, Kerala
3:00 -4:00	Biological and biomedical applications of naturally derived hydroxyapatite	Various avenues for utilization of hydroxyapatite in dental and medical field	Dr. J. Venkatesan Assistant Professor, Yenepoya Research Centre, Yenepoya (Deemed to be University), Deralakatte, Mangalore, Karnataka, India. and Hanyang University ERICA, South Korea.
4:00-5:00	Hands On Training	How To Write A Successful Grant Proposal	Dr. R. Ramya Professor & Head, Department of Oral biology, Saveetha Dental College, Chennai

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