Dr. B. C. Roy Multi Speciality Medical Research Centre, IIT Kharagpur in association with IEEE Kharagpur (EMBS and EMB Student Branch Chapter), cordially invites you to a symposium on

“Interdisciplinary Innovations in Oral Health: from Prevention to Treatment”

to observe Oral Cancer awareness month on 10th April, 2024

Last date of registration & abstract submission: 8th April, 2024. Registration is compulsory.

Register online at: https://erp.iitkgp.ac.in/CEP/courses.htm
Prof. (Dr.) Asitava Deb Roy
Vice Dean, Faculty of Medicine, Professor and Head of Pathology, MGM Medical College

Prof. (Dr.) Ranjan Rashmi Paul
Professor and Head, Department of Oral and Dental Sciences, JIS University, Kolkata

Prof. (Dr.) Mousumi Pal
Professor and Head, Department of Oral and Maxillofacial Pathology, Guru Nanak Institute of Dental Sciences and Research, Kolkata

Dr. Parmeshwar Satpathy
Assistant Professor
Community Medicine
BCRMRC, IIT Kharagpur

Dr. Arindam Ghosh
Assistant Professor
Biochemistry
BCRMRC, IIT Kharagpur

Dr. Basudev Lahiri
Assistant Professor Nano Bio Photonics Group
Department of Electronics & Electrical Communication Engineering, IIT Kharagpur

Prof. Jyotirmoy Chatterjee
Former Head, SMST, IIT Kharagpur

Dr. Debdoot Sheet
Assistant Professor
Department of Electrical Engineering, IIT Kharagpur

Dr. (Lt. Col) Abhishek Pathak
Consultant Oncologist,
Command Hospital, Lucknow

Prof. (Dr.) Mousumi Pal
Professor and Head,
Department of Oral and Maxillofacial Pathology, Guru Nanak Institute of Dental Sciences and Research, Kolkata
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<th>Time</th>
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<td>9:45 - 10 am</td>
<td>Registration</td>
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| 10 am - 10:30 am | Inauguration and Opening                                   | Prof. Soumen Das  
Prof. Mahitosh Mandal  
Dr. Seema Roy |
| 10:30 am - 11 am | Epidemiology of Oral Cancer                               | Dr. Parmeshwar Satpathy           |
| 11 am - 11:30 am | AI and statistical mechanics for In situ histology of Oral Lesions | Dr. Debdoott Sheet               |
| 11:30 am - 12 pm | Molecular diagnostics in Oral Cancer                      | Dr. Arindam Ghosh                 |
| 12 pm - 12:15 pm | Tea Break                                                  |                                   |
| 12:15 pm - 12:45 pm | Fourier Transform Infrared (FTIR) micro-  
spectroscopic analysis and classification of pre-cancerous human oral tissue as an alternate to routine Histopathological diagnostics | Dr. Basudev Lahiri               |
| 12:45 pm - 1:15 pm | Role of AI in diagnosis of oral lesions:  
Is it going to replace us Pathologists? | Prof. (Dr.) Asitava Deb Roy       |

**1.15 pm - 2.15 pm Lunch Break**
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<tr>
<td>2:30pm - 3.30pm</td>
<td>Multimodal Imaging Augmented Oral Precancer and Cancer diagnostics</td>
<td>Prof (Dr.) Ranjan Rashmi Paul&lt;br&gt;Prof. Jyotirmoy Chatterjee</td>
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<tr>
<td>3:30pm - 4pm</td>
<td>Catalysts of change: The Transformative role of technology in Oral Cancer detection, diagnosis and treatment</td>
<td>Dr. (Lt. Col) Abhishek Pathak</td>
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**Poster Presentation**

“Theranostic advancements in Oral Health: Exploring new horizons”

4 pm - 4.15 pm High Tea

**Panel Discussion**

“A broader roadmap on the role of Al in Oral cancer “

4:15-5:15 PM

Prof. Jyotirmoy Chatterjee<br>Prof. (Dr.) Ranjan Rashmi Paul<br>Prof. (Dr.) Mousumi Pal<br>Dr. Debdoot Sheet<br>Dr. Basudev Lahiri

**Venue:** Dean’s Council Room, Ground Floor, Life Science Building, IIT Kharagpur
Organizing Committee from IIT Kharagpur

• Principal coordinator : Dr. Shirin Dasgupta

• Co-coordinators : Dr. Arijita Banerjee, Dr. Arindam Ghosh, Dr. Subhamoy Mandal

• Program Monitor : Dr. Aritri Bir

• For any query related to registration and poster presentation please write to academics.bcrmrc@gmail.com

Student Volunteers from IIT Kharagpur

- Eashita Chowdhury, Chair, IEEE EMB Student Branch Chapter
- Pallab Das, Vice-Chair, IEEE EMB Student Branch Chapter
- Uttaran Bhattacharjee, Secretary IEEE EMB Student Branch Chapter