

INTERNATIONAL WEBINAR

# Emerging Materials in Cancer Therapy (EMCT)

Under the aegis of SPARC Program

**Date & Time: September 10, 2021 @13:30 hours to 20:00 hours (IST)**

## Inaugural Session



**Introduction to the Webinar**

**Prof. Mahitosh Mandal & Prof. Nikhil K. Singha, IIT Kharagpur**



**Introduction to The SPARC project between  
The University of Manchester and IIT KGP**

**Dr. Jonny Blaker**



**On The University of Manchester and Its collaboration with IITKGP**

**Prof. David Polya**



**About IIT Kharagpur and its International Relations**

**Prof. Jayanta Mukhopadhyay, Dean Outreach, IIT Kharagpur**



**About School of Medical Science & Technology**

**Prof. Jyotirmoy Chatterjee, Head, SMST, IIT Kharagpur**



**About Rubber Technology Centre**

**Prof. Santanu Chattopadhyay, Head, RTC, IIT Kharagpur**

## Moderators



**Prof. Vaskar Saha  
UoM, UK**



**Prof. Mahitosh Mandal  
SMST, IIT Kharagpur**



**Dr. Jonny Blaker  
UoM, UK**

**Free (Mandatory) Registration**

**Register through: <https://forms.gle/KG2xSZkFZLWKzRwu7>**

**Deadline of Registration: 8<sup>th</sup> September, 23.59 hours (IST)**

Web link for the webinar will be shared with all the registrants via mail

\*For any queries contact

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Scheme for Promotion of Academic and Research Collaboration



The University of Manchester



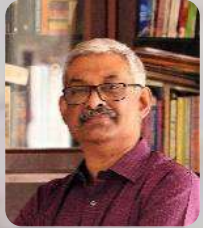
# Emerging Materials in Cancer Therapy (EMCT)

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## Speakers



**Stimulus Responsive Polymers for Applications in Treating Cancer**  
Prof. Stephen Rimmer, University of Bradford, UK



**A Surgeon and His Materials: A View from the Clinics**  
Dr. P. Arun, Tata Medical Centre, Kolkata, India



**Advanced materials to mimic biophysical properties of tissue ECM in 3D**  
Dr. Annalisa Tirella, The University of Manchester, UK



**L-Amino acid Based Biodegradable Polymers in Cancer Research**  
Prof. M. Jayakannan, IISER, Pune, India



**Materials Engineering Interfaces Microfluidics Towards Probing Cancer Metastasis on a Chip**  
Prof. Suman Chakraborty, IIT Kharagpur, India



**Challenges in Mimicking Aspects of the Extracellular Matrix Environment – Hierarchical Structures Using Biomedical Materials as Fibres**  
Dr. Jonny Blaker, The University of Manchester, UK



**Metabolic Reprogramming in Tumor Cells: Cause, Consequence and Therapeutic Challenges**  
Dr. Sib Sankar Roy, IICB, Kolkata, India



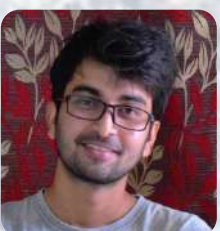
**Magneto-Optical Nanoparticles in Cancer Theranostics**  
Dr. Tapas Sen, University of Central Lancashire, UK



**Development Synthetic Tissue Analogue by Tissue Engineering Approach towards Therapeutics**  
Prof. Santanu Dhara, IIT Kharagpur, India



**Fabrication of Complex Biological Structures via Suspended Layer Additive Manufacture**  
Dr. Samuel Moxon, The University of Manchester, UK



**Fluorescence Active Glycopolymers Nanogel for Redox Responsive Delivery of Anticancer Drug**  
Mr. Koushik Bhattacharya, IIT Kharagpur, India