Date and Time	Topic	Faculty
Mon, 6 Jan. 2020, 5:30-7:00 PM	Workflow of Modern Pathology	Debdeep Dey, Deepak Mishra
Tue, 7 Jan. 2020, 5:30-7:00 PM	Introduction to Precision Medicine	Sanjoy Chatterjee
	Introduction to Computational Pathology	Paromita Roy
Wed, 8 Jan. 2020, 5:30-7:00 PM	Hands on Practical in a Modern Digital Pathology Lab	Gorachand Dutta and Angad Singh
Thu, 9 Jan. 2020, 5:30-7:00 PM	Digital Pathology Image Acquisition and Superresolution	Debdoot Sheet
Fri, 10 Jan. 2020, 5:30-7:00 PM	Lab on Chip Solution for Blood Pathology	Suman Chakraborty
Mon, 13 Jan. 2020, 5:30-7:00 PM	Building Machine Learning and Deep Learning Solutions for Computational Pathology	Scott Doyle
Tue, 14 Jan. 2020, 5:30-7:00 PM	Deploying Machine Learning and Deep Learning for Computational Pathology	Scott Doyle
	Clinical Scope of Computational Pathology	Margaret Brandwein-Weber
Wed, 15 Jan. 2020, 5:30-7:00 PM	Validation and Ethical Issues of Computational Pathology	Margaret Brandwein-Weber

Guest Faculty List:

Dr. Margaret Brandwein-Weber, MD, is the Professor of Pathology and Site Chair, Department of Pathology, Mount Sinai West / Mount Sinai Beth Israel, USA. Prior to this recruitment, she held the position of Vice Chair of Clinical Affairs in the Department of Pathology and Anatomical Sciences, Jacobs School of Medicine and Biomedical Sciences, University of Buffalo, and the Chief of Service at Erie County Medical Center. Her research interests include Aerodigestive Tract, Cancer, Computational Biology, Image Analysis, Pathology, Texture Analysis.

Dr. Scott Doyle, PhD is an Assistant Professor of Pathology and Anatomical Sciences, Biomedical Engineering, and Biomedical Informatics at the University at Buffalo, SUNY, USA. His lab develops computational tools for medical data, with a focus on imaging, machine learning, and artificial intelligence.

Dr. Debdeep Dey, FRCPath is Consultant Histopathologist at the Tata Medical Center, Kolkata. He specializes in diagnosis of all cancers, hematological malignancies, lymphomas, solid tumors, diagnostic oncology and surgical pathology.

Dr. Col. Deepak Mishra, MD is a Consultant Laboratory Hematologist at the Tata Medical Center, Kolkata. He did his MD Pathology in 1990 from the Armed Forces Medical College (AFMC), Pune. He went on to do his Post Doctoral Fellowship in Hematology from the prestigious All India Institute of Medical Sciences (AIIMS), New Delhi in 1998. He was a UICC Fellow at the King's College School of Medicine, London,UK(2001); and at the Harvard Stem Cell Institute, Harvard Medical School, Boston,USA (2007). He has been a visiting Fellow at the Mount Sinai School of Medicine, New York (2000), and at the MDS Centre in Stanford Univ School of Medicine, USA(2003). He has been a visiting faculty at University of Massachusetts School of Medicine, Worcester, MA, USA (2006) and at the Dept of Haematology, Christian Medical College & Hospital, Vellore (2003). His main areas of research interest are myelodysplastic syndromes (MDS), minimal residual disease in leukaemias, and stem cell research. He is the chair of the ICMR Task Force sub-committee on MDS and convener of the Indian MDS Registry. He is a member of the Science & Education Committee of the International Society of Haematology (ISH).

Dr. Sanjoy Chatterjee, FRCP, FRCR, completed MBBS from Calcutta Medical College before doing his MRCP (Gen Medicine), FRCP, and FRCR (Clinical Oncology) from London. Thereafter he completed Post Graduate Certificate in Medical Education and was given the Fellowship of Higher Education Academy of the UK. During his training Dr Chatterjee received various awards including the Gold Medal and Duke of Edinburgh's prize. He has 10 years of international exposure working in institutions like Ninewells Hospital, Dundee, Beatson Oncology Centre, Glasgow and Western General Hospital, Edinburgh. He has also done Fellowships in IMRT/IGRT in Royal Marsden Hospital, London and Christie Hospital Manchester and completed original studies and projects in Head and Neck and Breast cancers. Before joining TMCT, Dr. Chatterjee was working as Consultant Clinical Oncologist in Northern Centre for Cancer Care, Freeman Hospital, Newcastle upon Tyne, UK and was member of council of the British Association of Head and Neck Oncologists (BAHNO). His special interests include Head and Neck cancers, breast cancer and lung cancer.

Dr. Paromita Roy, MD has done her MD in Pathology from University of Calcutta in the year 2006. She subsequently trained and worked in oncopathology at Tata Memorial Hospital, Mumbai till 2008. In the last two years she has completed fellowships in oncologic and surgical pathology, with a focus on head and neck and gastrointestinal cancers at the Toronto General Hospital, University Health Network, Toronto, Canada. Her special interests include head and neck and gastrointestinal pathology.

Dr. Angad Singh, MD is a Junior Consultant in the Department of Histopathology at Tata Medical Centre, Kolkata. He completed his MBBS from University College of Medical Sciences and MD from Lady Hardinge Medical College, Delhi University. He then did Senior Residency (2014-2016) in Histopathology followed by a 1 year Fellowship in Molecular Pathology (2016-2017) from Tata Memorial Hospital, Mumbai.

Faculty Members from IIT Kharagpur

Dr. Gorachand Dutta, PhD is an Assistant Professor with the School of Medical Science and Technology, Indian Institute of Technology Kharagpur. His research includes Lab-on-PCB (Printed Circuit Board), Biosensors for Point-of-Site Application, Fuel Cells for Self-Powered Biodevices, Lab-on-a-Chip Devices for Diagnosis, Bio-MEMS for Low Cost Integration Tech

Dr. Suman Chakraborty, PhD is a Professor with the Department of Mechanical Engineering and the Dean for Sponsored Research and Industrial Consultancy at the Indian Institute of Technology Kharagpur. His research includes Microfluidics and microscale transport.

Dr. Debdoot Sheet, PhD is an Assistant Professor with the Department of Electrical Engineering, Indian Institute of Technology Kharagpur. His research includes developing machine learning algorithms with deep neural networks and graphical models for visual computing including medical image analysis and surgical informatics.