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**MICR-2022**

MARCH 9-11, 2022 | VIRTUAL

FINAL PROGRAM

3<sup>rd</sup> International Conference on

**MEDICAL  
IMAGING  
AND  
CASE  
REPORTS**

March 9-11, 2022 | Virtual

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<https://unitedscientificgroup.com/conferences/medical-imaging/>

## KEYNOTE SPEAKERS

Chair: Amita Shukla Dave - 8:35-11:05



**08:35-09:10**

**Leo Joskowicz**, Ph.D.

Head, Computer-Assisted Surgery and Medical Image Processing Laboratory, School of Computer Science and Engineering and, The Edmond and Lily Safra Center for Brain Sciences (ELSC), The Hebrew University of Jerusalem, Israel

**Accelerating Deep Learning Medical Image Analysis in Radiology**



**09:10-09:45**

**Joseph M. Reinhardt**, Ph.D.

Roy J. Carver Chair in Biomedical Engineering, Professor and Department Executive Officer, The University of Iowa, Iowa City, IA

**Using Generative Adversarial Networks for Predicting Regional Lung Function**



**09:45-10:20**

**Clare Mary C. Tempany**, M.D, FACR, FISMRM

Ferenc Jolesz MD Professor of Radiology Harvard Medical School, Vice-Chair, Radiology Research Department of Radiology Brigham & Women's Hospital, Boston, MA

**Prostate Cancer 2022**

**10:20-10:30 Break**



**10:30-11:05**

**Paul A. Bottomley**, Ph.D.

Russell H Morgan Professor, Director, Division of MR Research, The Russell H. Morgan Department of Radiology & Radiological Science, Johns Hopkins University, Baltimore, MD

**The Frontier of Accelerated MRI: Endoscopy, Kinematography, and Physiology at up to 100 fr/sec**



**11:05-11:40**

**Laura Esserman**, M.D, M.B.A.

Director, UCSF Breast Care Center, Professor of Surgery and Radiology, University of California, San Francisco, CA

**Imaging is a Catalyst for Changing the Management of Patients at Risk for, or Diagnosed with, Breast Cancer**



**11:40-12:15**

**Bin He**, Ph.D.

Trustee Professor of Biomedical Engineering, Professor of Neuroscience and Electrical and Computer Engineering, Director, Neural Interfacing Training Program, Carnegie Mellon University, Pittsburgh, PA

**Electrophysiological Source Imaging of Epileptic Tissue**



**12:15-12:50**

**Constance Lehman**, Ph.D., M.D, FACR

Professor of Radiology, Harvard Medical School, Chief of Breast Imaging/Co-director of AVON Breast Center, Massachusetts General Hospital, Boston, MA

**AI in Healthcare: Where Will We Take This?**

**12:50-13:10 Break**



**13:10-13:30**

**Dania Daye**, Ph.D., M.D.

Assistant Professor of Radiology, Harvard Medical School, Massachusetts General Hospital, Director, Precision Interventional and Medical Imaging Lab, Boston, MA

**Precision Oncology: Applications of AI for Cancer Risk and Prognosis Prediction Using Multimodal Clinical Datasets**



**13:30-13:50**

**Patrick Bangert**, Ph.D.

Vice President of AI, Samsung SDSA, San Jose, CA

**Automated Annotation and Deep Learning in Training Medical Imaging AI Models**



**13:50-14:10**

**Annika Reinke**, Ph.D.

Division of Computer Assisted Medical Interventions and HIP Helmholtz Imaging Platform, German Cancer Research Center (DKFZ), Germany

**Metrics Matter – How to Choose Validation Metrics that Reflect the Biomedical Needs**

**MEDICAL IMAGING AND ANALYSIS**

**TECHNICAL SESSION-2**



**07:00-07:20**

**William Yaxley**

Urology Principal House Officer, Queen Elizabeth II Jubilee Hospital, Brisbane, Australia

**Which Imaging Modality Better Detects Intraprostatic Prostate Cancer? A Comparison Between Pre-operative Multiparametric Prostate MRI vs 68Ga-Prostate-Specific Membrane Antigen Positron Emission Tomography/Computerized Tomography on Histological Findings at Radical Prostatectomy**



**07:20-07:40**

**Chrystle Mascarenhas**

Doctor, Kasturba Medical College Hospital Ambedkar Circle, Mangalore, India

**Marsupialization of a Pneumatocele- Intervention for a Rare Post-COVID-19 Sequelae**



**07:40-08:00**

**Shuang Tang, Ph.D., M.D., MHSc**

Principal Investigator and Physician Scientist in Fudan University Shanghai Cancer Center, China

**Integrating Metabolic Reprogramming and Metabolic Imaging to Predict Breast Cancer Therapeutic Responses**



**08:00-08:20**

**Aadil Ahmed, MBBCh, FCRad (Diag)**

Bayradiology, Port Elizabeth, South Africa

**Where's the Line? (Talk on Pediatric Lines and Tubes on CXR and AXR)**



**08:20-08:40**

**Santosh S Gupta, M.D.**

Neuroradiologist- Consultant MRI/CT P.D.Hinduja Hospital & Medical Center, India

**Functional MRI (fMRI) and Diffusion Tensor Imaging (DTI) in Neurosurgical cases**



**08:40-09:00**

**Trinanjan Basu, M.D.**

Consultant Radiation Oncologist HCG Apex Cancer Centre, India

**CT Based Delineation for Parotid Ducts in HNC-Spare to Care**

**09:00-09:10 Break**



**09:10-09:30**

**Alexander B. White**

University of North Carolina at Chapel Hill School of Medicine, Chapel Hill, NC

**Aortoenteric Fistula following Endovascular Aneurysm Repair**

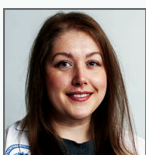


**09:30-09:50**

**Simone Krebs, M.D, MS**

Assistant Attending, Molecular Imaging and Therapy Service, Department of Radiology, Memorial Sloan Kettering Cancer Center, New York, NY

**Comparison of 68Ga-DOTA-JR11 PET/CT with Dosimetric 177Lu-satoreotide Tetraxetan (177Lu-DOTA-JR11) SPECT/CT in Patients with Metastatic Neuroendocrine Tumors Undergoing Peptide Receptor Radionuclide Therapy**



**09:50-10:10**

**Karen Buch, M.D.**

Assistant Professor of Radiology Harvard Medical School, Boston, MA

**Neuroimaging Manifestations of COVID-19 Infection**

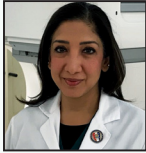


**10:10-10:30**

**Changning Wang, Ph.D.**

Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital, Harvard Medical School, Boston, MA

**PET Imaging Probes Development for Epigenetics**



**10:30-10:50**

**Kalpna Prasad, M.D, MPH**

Department of Radiology, Walter Reed National, Military Medical Center, Bethesda, MD

**MPI: Effect of BMI on High Vs Low Administered Activity Scan time and Radiation Effective Dose**

**10:50-11:10 Break**

## COMPUTED TOMOGRAPHY

## TECHNICAL SESSION-3

**Chair: Kalpna Prasad**



**11:10-11:30**

**Narisha Maharaj, MMed, FCRad Diag**

King Edward VIII Hospital, Nelson R Mandela School of Medicine, University of Kwa-Zulu Natal, South Africa

**Bilateral Absence of the Superior Vena Cava**



**11:30-11:50**

**Irina Afanaseva, Ph.D.**

Saint-Petersburg I.I. Dzhanelidze Research Institute of Emergency Medicine, Saint-Petersburg, Russia

**Multispiral Computed Tomography Diagnostic Capability at the Stages of Pre- and Postoperative Management of Patients with Purulent-Inflammatory Diseases of the Spine**



**11:50-12:10**

**Gonzalo Vegas Sanchez-Ferrero, Ph.D**

Assistant Professor of Radiology. Department of Radiology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

**Harmonization of In-plane Resolution in CT Scans: Improving Image Resolution from Multiple Reconstructions**

## MAGNETIC RESONANCE AND ULTRASOUND

## TECHNICAL SESSION-4

Chair: Mai-Lan Ho



**08:00-08:20**

**Tarba Naala, M.D.**

B.V. Petrovsky National Research Center of Surgery, Moscow, Russia

**MRI in Planning of Maximal (maximum) Acceptable Liver Resections in Patients with Hepatoblastoma**



**08:20-08:40**

**Vidya Desai, M.D.**

Junior Resident, Indira Gandhi Government Medical College, India

**Fetus with CHAOS Syndrome - Evaluated Through Radiological Aspect**



**08:40-09:00**

**Phillip Romanski, M.D.**

Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medical Center, New York, NY

**Improve Delineation of Pelvic Anatomy on MRI: the Use of Aqueous Vaginal Contrast in Complex Müllerian Anomalies**



**09:00-09:20**

**Amita Shukla-Dave, Ph.D., FISMRM**

Director Quantitative Imaging Deputy Service Chief Predictive Informatics Member Departments of Medical Physics and Radiology Memorial Sloan-Kettering Cancer Center New York, NY

**Integration of Quantitative MR Imaging and Artificial Intelligence in Clinical Neuro-Oncology**



**09:20-09:40**

**Linda Knutsson, Ph.D.**

Professor, F.M. Kirby Research Center for Functional Brain Imaging, Kennedy Krieger Institute, Baltimore, MD

**Advanced Brain Imaging Using Perfusion MRI**



**09:40-10:00**

**Mai-Lan Ho, M.D.**

Associate Professor of Radiology, Nationwide Children's Hospital, The Ohio State University, Columbus, OH

**Advances in Pediatric Head and Neck Imaging**

**10:00-10:10 Break**

## KEYNOTE SPEAKER



**10:10-10:45**

**Bradley Mark, Ph.D., FRSE, FRSC**

Professor of High-Throughput Chemical Biology, School of Chemistry, Director of the EPSRC IRC Proteus, University of Edinburgh, UK

**Optical Medical Fluorescent and Fluorescent Lifetime Imaging - from Chemical Probes to New CMOS SPAD Detectors**

## MAGNETIC RESONANCE AND ULTRASOUND



**10:45-11:05**

**Selin Chiragzada**

Product Engineer, Promaxo Inc, Oakland, CA

**Low-field MRI System Accuracy Analyses**



**11:05-11:25**

**Upasana U. Bharadwaj, M.D.**

Postdoctoral Scholar, Department of Radiology and Biomedical Imaging, University of California, San Francisco, CA

**CT-like MRI: A Qualitative Assessment of ZTE Sequences for Knee Osseous Abnormalities**



**11:25-11:45**

**Patricia Le**

Creighton University School of Medicine  
Omaha, NE

**Atypical Clinical Manifestations of Autoimmune Encephalitis**



**11:45-12:05**

**Or Perlman, Ph.D.**

Athinoula A. Martinos Center for Biomedical Imaging, Department of Radiology, Massachusetts General Hospital and Harvard Medical School, Boston, MA

**Quantitative Imaging of Apoptosis using AI Boosted Molecular Magnetic Resonance Fingerprinting**



**12:05-12:25**

**Mukesh Dhamala, Ph.D.**

Neuroscience Institute, Department of Physics and Astronomy, Georgia State University, Atlanta

**Tracking Seizure Networks with Intracortical EEG and rsfMRI**



**12:25-12:45**

**Maria Giovanna Fava, M.D.**

Medical Doctor, Department of Surgery, Surgery Complex Unit, Great Metropolitan Hospital, Reggio Calabria, Italy

**MRI in the Setting of Breast Carcinoma with Suspicious Microcalcifications and his Predictive Value in Breast Cancer Management**



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