



April 1-2, 2026

VI Open Young Researchers Conference

APRIL 2, ROTUNDA HALL

🕒 14:40-15:55 (Moscow time)

👤 Medical Imaging Instrument-Making Section

Moderator

Kirill Arzamasov, Ph.D. in Medicine, D.Sc. Head of the Medical Informatics, Radiomics, and Radiogenomics Department of the Center for Diagnostics and Telemedicine / **Denis Leonov**, Ph.D. in Engineering, D.Sc. Lead Researcher at the Center for Diagnostics and Telemedicine

Speakers

Aranya Sarkar, PhD Research Fellow Biomedical & Nano-Bioscience Engineering Lab, School of Physics, IISER Thiruvananthapuram

| *"Multi-spectral Functional Photoacoustic Imaging of Goat Eyes for Estimation of Tissue Chromophores"*

Gopika Gopikrishnan, PhD Candidate Singapore Institute of Technology

| *"Multibeamformer with Tunable Weight Fusion and Patch-Wise Learning for Ultrasound Imaging"*

Zlata Tikhonenko, University of Birmingham, Dubai. BSc Biomedical Science; 3rd year

| *"Women's Health physiological Tracking Symptom Assessment"*

Olga Vlasova, Junior Researcher Center for Diagnostics and Telemedicine

| *"Material Engineering and Imaging Validation of an Anthropomorphic Face Phantom for Ultrasound Applications"*

Ruiyang Gao, PhD Student College of Chemistry and Life Science, Beijing University of Technology

| *"Identifying a Better-prognosis Pancreatic Cancer from its Benign Inflammatory Mimic: A Machine Learning Approach with Contrast Enhanced Ultrasound for Early Intervention"*

Tamara Papic, CEO, Baby FM; Assistant Professor, University Singidunum, Technical Faculty

| *"Integrating Wearable Sensing Devices into Telemedicine Workflows: An AI-Driven Approach for Smart Hospitals"*

Nilton Assugeni Neto, PhD Student in Physics Applied to Medicine and Biology Faculty of Philosophy, Sciences and Letters at Ribeirão Preto, Department of Physics, University of São Paulo (USP)

| *"Implementation of an Automated Low-cost System for Ultrasound Breast Volumetry"*
