

15 German researchers attend IRTG network prog at IIT-I

OUR STAFF REPORTER
city.indore@fpj.co.in

Fifteen German researchers from Julius-Maximilian University Würzburg and Leibniz Lung Centre, Germany along with 18 professors and scientists from various higher education institutes of the country participated in three-day International Research Training Group (IRTG) workshop at IIT Indore.

The workshop on 'Deciphering Respiratory Bacterial Niches and Molecular Mechanisms: Unraveling the dynamic interactions between bacterial pathogens and host organelles during infection' was jointly organised by IIT Indore and Julius Maximilian University of Würzburg.

The Indo-German joint



IRTG Network programme was intended to facilitate training and exchange of German and Indian PhD students, postdocs, faculties, as well as bilateral research cooperation.

"Fifteen German researchers and 18 professors and scientists from institutes such as IIT Bombay, IISER Bhopal, THSTI Faridabad, Institute of Life Science Bhubaneswar, Regional

Centre of Biotechnology Faridabad, IISER Pune and IIT Indore participated in this workshop," a press release issued by IIT Indore said.

IIT Indore director Prof Suhas Joshi welcomed the guests and highlighted the ongoing collaborative activities between IIT Indore and University of Würzburg.

He emphasized the need to strengthen bilateral co-

operation between IIT Indore, JMU Würzburg and Leibniz Lung Centre, Borstel, Germany in various research areas that are vital to the understanding of the infectious respiratory diseases and their spread.

The proposed programme will facilitate exchange of knowledge, technologies, and resources. He also expressed his support for the concep-

tualization of this theme of research in collaboration with Indian and German researchers.

During the workshop, the speakers presented their research contribution in the areas of Cellular Metabolomics, Single-cell Transcriptomics, 3D Organoids, Artificial Intelligence, Machine Learning Cell Biology, Bioinformatics, 3D-bioprinting, Biomedical Im-

aging, Biomedical Signal and Image Processing, and Structural Biology.

The talks were followed by discussion sessions on conceptualisation of Network project focussing on studying cell organelle dynamics and organelle-organelle communication during early and later phases of respiratory infectious agents such as Mycobacterium tuberculosis, Streptococcus pneumoniae, Chlamydia pneumoniae and Pseudomonas aeruginosa pathogens.

Prof Srikanth Karnati from the University of Würzburg and Prof Avinash Sonawane, dean of International Relations, IIT Indore as well as the coordinators of this programme from German and Indian side gave an overview of the IRTG programme.