



UGC-Human Resource Development Centre

यूजीसी-मानव संसाधन विकास केंद्र

Jawaharlal Nehru University, New Delhi

जवाहरलाल नेहरू विश्वविद्यालय, नई दिल्ली



ज्ञान-विज्ञान विमुक्तये

25th Refresher Course in Life Sciences & Biotechnology (ONLINE MODE)

28th December – 9th January, 2020

Course coordinators:

Prof. Pawan Dhar

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List of Resource Persons:

Name	Topic of Lecture/Talk	Contact Details
Prof. Binay Panda	<i>“Whither data in biology? An example from head and neck oncology”</i>	School of Biotechnology Room 115 Jawaharlal Nehru University New Mehrauli Road New Delhi 110067 India Phone: +91-11-26704081 (off) Email: binaypanda@jnu.ac.in , binaypandalab@gmail.com
Prof. Deepak Gaur	<i>“Infectious disease biology and vaccine development”</i>	School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: deepakgaur@mail.jnu.ac.in , deepakgaur189@gmail.com
Dr. Prashanth Athri	<i>Wide-data Bioinformatics: genesis, importance and a use case”</i>	Computer Science Engineering, School of Engineering Bengaluru Email: athri@pes.edu
Prof. Suneel Kateriya	<i>“Basic Biology to Bio-Business: A Molecular Navigation from Green Algae to Human”</i>	Director (R&D) School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: skateriya@jnu.ac.in , suneel77@yahoo.com
Prof. Mukesh Jain	<i>“Next generation sequencing</i>	School of Computational and Integrative

	<i>methods for transcriptome analysis and discovery of candidate genes relevant to important agricultural traits</i>	Sciences Jawaharlal Nehru University New Delhi - 110067 Email: mjain@jnu.ac.in , mjainanid@gmail.com
Dr. Saurabh Raghuvanshi	<i>“The 'Big Bs' of Biological Sciences: Big Data and Biocuration”</i>	Dr. Saurabh Raghuvanshi Department of Plant Molecular Biology University of Delhi South Campus, New Delhi - 110021 Email: saurabh@genomeindia.org
Prof. Shandar Ahmad	<i>“Big Data Science and machine learning for life sciences”</i>	Dean School of Computational and Integrative Sciences Jawaharlal Nehru University New Delhi - 110067 Email: shandar@jnu.ac.in
Prof. Sandeep Saxena	<i>"The compelling role of non-coding RNAs"</i>	Prof. Sandeep Saxena School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: sandeep@nii.ac.in , sandeepsaxena@mail.jnu.ac.in
Prof. Dwaipayan Bharadwaj	<i>"Human Genomics"</i>	School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: binaypanda@jnu.ac.in , binaypandalab@gmail.com
Dr. Kashyap Dubey	<i>“Impact of COVID-19 pandemic on water resources: Challenges and management strategies”</i>	School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: kashyapdubey@mail.jnu.ac.in
Dr. Siva Ramalingam	<i>“Targeted genome-editing: From basic research to biomedical applications”</i>	Senior Scientist and Ramalingaswami Fellow, CSIR-Institute of Genomics and Integrative Biology, Mathura Road, Sukhdev Vihar, New Delhi 110025. Email: sivaramalingam@igib.res.in
Dr. Girinath Pillai	<i>"Machine Learning in Drug Discovery for Drug Candidate Selection"</i> & <i>“Application of Machine Learning in Biological Targets and Drug Discovery”</i>	Visiting Researcher Nyro Research India Pvt Ltd #6/858-M, Suite #826, II Floor Valamkottil Towers, Judgemukku, Kakkanad, Kochi. Kerala, India 682 021 Email: pillai@nyroindia.org

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Dr. Vijai Singh	<i>“Exploring the Potential of Synthetic Biology”</i>	Department of Biosciences School of Science Indrashil University Rajpur Mehsana-382740 Gujarat Email: vijaisingh15@gmail.com
Prof. Praveen Verma	<i>“Recent Trends in Plant Science Research”</i>	School of Biotechnology National Institute of Plant Genome Research New Delhi - 110067 Email: pkv@nipgr.ac.in
Dr. Ravikumar Hosmani	<i>“The fruit fly model for astronauts health - An emerging space life sciences research”</i>	Agricultural College, Dharwad University of Agricultural Sciences, Dharwad Belgaum Road, Krishi Nagar, Dharwad, Karnataka 580005 Email: ravikumarh82@gmail.com
Dr. Viswanathan Chinnusamy	<i>“Genome Editing for Functional Genomics and Crop Improvement”</i>	Principal Scientist and Head, Division of Plant Physiology New Delhi Email: viswa.chinnusamy@gmail.com
Dr. Mandira Roy	<i>“Patenting Life Sciences and Biotechnology inventions”</i>	Adastra Ip Private Limited (54169) B2-1050, Spaze iTech Park Sohna Road, 122002 Gurugram, Delhi NCR, Email: mandirar@adastraip.com
Dr. Meenu Kapoor	<i>“Discerning Molecular Interactions Among Regulatory Proteins in Land Plants”</i>	University School of Biotechnology Guru Gobind Singh Indraprastha University Sector 16-C, Dwarka, New Delhi E-mail: meenukapoor@me.com ; meenukapoor@ipu.ac.in
Prof. Pratap Kumar Pati	<i>“Plants, Technological Interventions and Human Health”</i>	Department of Biotechnology, Guru Nanak Dev University, Amritsar Email: vijayptc_bio@yahoo.com , pkpati@yahoo.com
Dr. Shashi Kumar	<i>“Metabolic engineering of isoprenoid pathway for terpenoid drug biosynthesis in plant”</i>	Group Leader, Metabolic Engineering (Biofuels and Industrial Biotechnology), International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067 Email: skrhode@icgeb.res.in

Prof. Renu Vyas	<i>“Computer Aided Drug Design with special emphasis on ML/AI based methods”</i>	Head of School School of Bioengineering, Sciences & Research MIT-ADT University, Pune 412201 Email: renu.vyas@mituniversity.edu.in
Dr. Divya Chandran	<i>“Single-cell and spatial transcriptomics using laser microdissection”</i>	Laboratory of Plant-Microbe Interactions divya.chandran@rcb.res.in
Dr. Debarka Sengupta	<i>Analysis of single cell gene expression data</i>	Indraprastha Institute of Information Technology, Delhi Okhla Industrial Estate, Phase III (Near Govind Puri Metro Station) New Delhi, India - 110020 Email: debarka@iiitd.ac.in
Dr. Chinchu Bose	<i>“Waste is never a refuse but an opportunity in waiting- A phytochemistry perspective”</i>	School of Biotechnology Amrita University Email: chinchubose@am.amrita.edu
Dr. Prashant Singh	<i>“Molecular diagnostics and it’s role in disease management”</i>	Project Coordinator FIND India Email: Prashantkumar.Singh@finddx.org
Prof. Joseph Selvin “	<i>Design and Creation of Synthetic Genomes and it's applications”</i>	Dept. of Microbiology Pondicherry University Email: josephselvinss@gmail.com
Prof. GPS Raghava	<i>“Computer-aided Protein Therapeutics”</i>	Professor and Head Department of Computational Biology IIIT New Delhi Email: raghava@iiitd.ac.in