



UGC-Human Resource Development Centre

यूजीसी-मानव संसाधन विकास केंद्र

Jawaharlal Nehru University, New Delhi

जवाहरलाल नेहरू विश्वविद्यालय, नई दिल्ली



ज्ञान-विज्ञान विमुक्तये

Website: <https://www.jnu.ac.in/hrdc>

26th Refresher Course in Life Sciences & Biotechnology (ONLINE MODE)
6th December – 18th December, 2021

Course Coordinators:

Prof. Sandeep Saxena, School of Biotechnology, JNU
Email; sandeepsaxena@mail.jnu.ac.in

Dr. Sneh Lata Panwar, School of Life Sciences, JNU
Email: sneh@mail.jnu.ac.in,

List of Resource Persons:

Sr. No.	Name	Topic of lecture	Contact Details
1	Dr. Dhiraj Kumar	<i>“New avenues to target Mycobacterium tuberculosis”</i>	International Centre for Genetic Engineering and Biotechnology ICGEB Campus Aruna Asaf Ali Marg 110 067 New Delhi, INDIA E-mail: dhiraj@icgeb.res.in
2	Prof. Pawan Dhar	<i>“Synthetic biology- concepts to applications”</i>	School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: pawandhar@mail.jnu.ac.in
3	Dr. Syamala Maitreyi Rajala	<i>“Molecular biology and an update on the ongoing pandemic”</i>	School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: msrajala@mail.jnu.ac.in , gmaitri@yahoo.com
4	Dr. Sushil Jha	<i>“Neuroscience research: Past, present, and future”</i>	School of Life Sciences Jawaharlal Nehru University New Delhi - 110067 Email: sushil_1000@yahoo.com ; sushilkjha@mail.jnu.ac.in
5	Dr. Sameer Bakhshi	<i>“Cancer medicines: advances in therapeutics”</i>	Department of Medical Oncology, Dr. B. R. A. Institute Rotary Cancer Hospital, AIIMS, New Delhi – 110029 Email: sambakh@hotmail.com

6	Prof. Binay Panda	<i>“Data-driven Biology”</i>	School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: binaypanda@jnu.ac.in , binaypandalab@gmail.com
7	Prof. Atul Johri	<i>“Reverse vaccinology approach for vaccine against Streptococci”</i>	School of Life Sciences Jawaharlal Nehru University New Delhi - 110067 Email: ajohri@jnu.ac.in , akjohri14@yahoo.com
8	Prof. Sunil Katariya	<i>“Optobiology and Optogenetics Therapy”</i>	Prof. Sunil Kateriya Dean School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: skateriya@jnu.ac.in , suneel77@yahoo.com
9	Dr. Kashyap Dubey	<i>“Process development from petriplate to bioreactor”</i>	School of Biotechnology Jawaharlal Nehru University New Delhi - 110067 Email: kashyapdubey@mail.jnu.ac.in
10	Prof. Shweta Saran	<i>“Exciting experiments in developmental biology”</i>	School of Life Sciences Jawaharlal Nehru University New Delhi - 110067 Email: ssaran@mail.jnu.ac.in shweta_saran@hotmail
11	Prof. Rajendra Prasad	<i>“Healthcare: Where will we be in 2050?”</i>	Dean, Faculty of Science, Engineering and Technology Director, Amity Institute of Integrative Sciences and Health Director, Amity Institute of Biotechnology, Amity University Haryana Gurgaon 122413 Email: rp47jnu@gmail.com
12	Dr. Girinath Pillai	<i>“Role of machine learning (not AI) in collaborative life science projects”</i>	Scientific Officer, Nyro Research India Coordinator, Drug Discovery Hackathon, Govt of India. Email: giribio@mail.com
13	Dr. Sivaprakash Ramalingam	<i>“Targeted genome engineering in human stem cells”</i>	Senior Scientist and Ramalingaswami Fellow CSIR-Institute of Genomics and Integrative Biology Mathura Road, Sukhdev Vihar New Delhi Email: sivaramalingam@igib.res.in

14	Dr. Niti Puri	<i>“Exploring cell biology of immune responses to infectious agents by flow cytometry”</i>	School of Life Sciences Jawaharlal Nehru University New Delhi - 110067 Email: purin@mail.jnu.ac.in niti_puri@hotmail.com
15	Dr. Asif Mohammed	<i>“Malaria Parasite Biology and Discovery of Intervention Strategies”</i>	National institute of immunology International Centre for Genetic Engineering and Biotechnology Aruna Asaf Ali Marg, Jawaharlal Nehru University New Delhi - 110067 Email: amohd@icgeb.res.in
16	Dr. Suman Gupta	<i>“Essentials of Bioentrepreneurship”</i>	Chief Operations Officer at BBB, Regional Centre for Biotechnology, Govt. of India Email: Suman.gupta@rcb.res.in
17	Dr. Vikram Singh	<i>“Introduction to Network Medicine”</i>	Centre for Computational Biology and Bioinformatics School of Life Sciences Central University of Himachal Pradesh H.P. Email: vikramsingh.jnu@gmail.com
18	Prof. Dwaipayan Bharadwaj	<i>“Epigenetics can fill the gaps of missing heritability: complex disease (T2D) is a case study”</i>	School of Biotechnology Jawaharlal Nehru University New Delhi – 110067 Email: db@mail.jnu.ac.in db@jnu.ac.in
19	Dr. Sobhan Sen	<i>“Utility of fluorescence spectroscopy and microscopy in biology and chemistry: A primer”</i>	School of Physical Sciences Jawaharlal Nehru University New Delhi - 110067 Email: sens@mail.jnu.ac.in sobhan.sen@gmail.com
20	Dr. Subhadeep Chatterjee	<i>“Understanding the social language of bacteria: speak or not to speak?”</i>	Centre for DNA Fingerprinting and Diagnostics [CDFD] Inner Ring Road, Uppal Hyderabad Email: subhadeep@cdfd.org.in
21	Dr. Neeru Saini	<i>“microRNAs as diagnostics and therapeutics for the management of human diseases”</i>	Senior Scientist Institute of Genomics & Integrative Biology Okhla, New Delhi - 110025 Email: nkhanna@igib.res.in
22	Prof. Ashwani Pareek	<i>“Planting excitements”</i>	Executive Director National Agri-Food Biotechnology

			Institute Email: ashwanipareek@gmail.com
23	Dr. Rajan Gupta	<i>“Global warming and Antartica”</i>	Banaras Hindu University Banaras Email Id: rajankgupta1@rediffmail.com
24	Dr. Saima Aijaz	<i>“Precision medicine: tailored healthcare solutions”</i>	Special Centre for Molecular Medicine Jawaharlal Nehru University New Delhi - 110067 Email: s_ajjaz@mail.jnu.ac.in
25	Dr. Debasis Dash	<i>“Deciphering peptidofoms using advanced search strategies in proteogenomics”</i>	Chief Scientist -Informatics and Big Data CSIR-IGIB, Sukhdev Vihar, Mathura Road, New Delhi E-mail: ddash@igib.res.in , ddash@igib.in
26	Dr. Alok Sinha	<i>“Signal transduction in plants and protein-protein interactions”</i>	National Institute of Plant Genome Research Aruna Asaf Ali Marg New Delhi E-mail: alok@nipgr.ac.in , alokksinha@yahoo.com
27	Dr. Devinder Sehgal	<i>“From infection to immunity”</i>	National Institute of Immunology Email: devinder@nii.ac.in
28	Prof GPS Raghav	<i>“Computational resources for healthcare”</i>	Professor and Head Department of Computational Biology IIIT New Delhi Email: raghava@iiitd.ac.in
29	Dr. Sourav Banerjee	<i>“Development and functions of neural circuit”</i>	Scientist V National Brain Research Centre Gurgaon, Haryana Email: sourav@nbrc.ac.in
30	Prof. Shandar Ahmed	<i>“Doing biology with large scale data sets”</i>	School of Computational and Integrative Sciences Jawaharlal Nehru University New Delhi - 110067 Email: shandar@jnu.ac.in
31	Dr. Rupinder Kaur	<i>“Molecular pathogenicity mechanisms of medically important fungi”</i>	Centre for DNA Fingerprinting and Diagnostics [CDFD] Inner Ring Road, Uppal Hyderabad Email: rkaur@cdfd.org.in
32	Dr. Amit Singh	<i>“Decoding redox language”</i>	Associate Professor

		<i>underlying HIV latency: from molecular mechanism to therapeutic implications”</i>	Welcome Trust-India Alliance Senior Fellow Department of Microbiology and Cell Biology (MCBL) Centre for Infectious Disease and Research (CIDR) Indian Institute of Science (IISc) Bangalore Email: asingh@iisc.ac.in
33	Prof. Ashis K Nandi	<i>“Basics of plant immune system”</i>	School of Life Sciences Jawaharlal Nehru University E-mail: ashis_nandi@yahoo.com ; ashis_nandi@mail.jnu.ac.in