

**UGC – Human Resource Development Centre  
Jawaharlal Nehru University, New Delhi**

**23<sup>rd</sup> Refresher Course in Life Sciences & Biotechnology  
8<sup>th</sup> October – 2<sup>nd</sup> November, 2018**

**Course coordinators:**

**Prof. Ajay Kumar Saxena**

School of Life Sciences, JNU

Email: [ajaysaxena@mail.jnu.ac.in](mailto:ajaysaxena@mail.jnu.ac.in)

**Dr. Ranjana Arya**

School of Biotechnology, JNU

Assistant Director, UGC-HRDC ,JNU

Email: [arya.ranjana24@gmail.com](mailto:arya.ranjana24@gmail.com)

**List of participants**

Sl. No.	NAME	STATE
1	ADITI ARYA	HARYANA
2	AJAY KUMAR	KERALA
3	ANARU BORO	ASSAM
4	APARAJITA MOHANTY	DELHI
5	ARUN PRATAP SIKARWAR	UTTAR PRADESH
6	AVIK KUMAR CHOUDHURY	WEST BENGAL
7	B. HARERAMADAS	DELHI
8	DEEPALI	DELHI
9	DIVYA VERMA	DELHI
10	FARAH KHAN	DELHI
11	GUNANIDHI DHANGADAMAJHI	ODISHA
12	INDRAKANT KUMAR SINGH	DELHI

13	JASVINDER KAUR	DELHI
14	JIMMY YEBJENY YUMNAM	ASSAM
15	KARUNAKAR KAR	DELHI
16	KIRAN KUMARI	HIMACHAL PRADESH
17	KURHE ANIL RAMCHANDRA	MAHARASHTRA
18	MANISHA NIGAM	UTTARAKHAND
19	MOHD ASHRAF KHAN	JAMMU & KASHMIR
20	MOHD. TASHFEEN ASHRAF	DELHI
21	N. NAGARATHINAM	TAMIL NADU
22	NITIN BHARDWAJ	UTTARAKHAND
23	PAMELA SINGH	HARYANA
24	POOJA GULATI	HAYANA
25	POONAM CHOUDHARY	HARYANA
26	RACHANA DINESH NEE MODI	RAJASTHAN
27	RAM BABU	DELHI
28	RAVI TANDON	DELHI
29	REENA TOMAR	UTTAR PRADESH
30	S. DHIVA	KERALA
31	SANDEEPA SINGH	DELHI
32	SANJAY KUMAR	HARYANA
33	SANTOSH KUMAR JHA	ANDAMAN NICOBAR ISLANDS
34	SHANUJA BERI	DELHI
35	SHIV SHANKAR SINGH	TRIPURA
36	SUDHANSU SEKHAR NISHANK	ODISHA
37	SUMITA RAO	JAMMU & KASHMIR
38	SUNIL KAYESTH	DELHI
39	SUNITA KUMARI YADAV	DELHI
40	T.S. RAMYAA LAKSHMI	TAMIL NADU
41	U.UMADEVI	TAMIL NADU
42	VIBHA PANDEY	JHARKHAND
43	TRIBHUWAN CHANDRA	UTTARAKHAND

## Schedule

### Week - I

DATE	9:30 am-10.30 am	10.30 am - 11.15 am Tea Break	11:30 am -12.30 pm	1:00 pm – 2:00 pm Lunch Break	2:00 pm onwards		
Monday, October 8, 2018	Registration UGC-HRDC,JNU	Tea Break	Combined Inaugural Session at Committee Hall, Convention Centre, JNU	Lunch UGC- HRDC, JNU	Interaction with the Course Coordinators		
DATE	9:30am -11:00am	11.00 am – 11.30 am Tea Break	11:30 am-1:00 pm	1.00 pm- 2.00 pm Lunch Break	2.00 pm - 3.30pm	3.30 pm – 3.45 pm Tea Break	3:45 pm-5:15 pm
Tuesday, October 9, 2018	<b>Dr. B.S. Balaji</b> <i>“Chemistry for Biologists”</i>		<b>Dr. Zeenat Iqbal</b> <i>“Bench to bedside: Insights into Nanomedicine Research”</i>		<b>Dr. Praveen Verma</b> <i>“Plant Science Research: From Basic to Translational Research”</i>		<b>Prof. Umesh Kulshreshtha</b> <i>“Know the Dust in Air”</i>
Wednesday, October 10, 2018	<b>Dr. Neel Sarover Bhavesh</b> <i>“In-solution techniques for Protein Interactions and Drug Discovery”</i>		<b>Prof. Pawan Dhar</b> <i>“Synthetic Biology - basic concepts to applications”</i>		<b>Dr. Sushil K. Jha</b> <i>“The recent trends in Neuroscience research”</i>		<b>Dr. Mukesh Jain</b>
Thursday, October 11, 2018	<b>Dr. Alok Sinha</b> <i>“Signal Transduction in Plants and Protein-Protein Interaction”</i>		<b>Prof. Rajiv Bhat</b> <i>“Protein Structure and Folding: Challenges in preventing misfolding and aggregation of proteins”</i>		<b>Prof. Vibha Tandon</b> <i>“Drug Discovery”</i>		<b>Prof. Suman Dhar</b>
Friday, October 12, 2018	<b>Dr. Suneel Kateriya</b> <i>“Optogenetics &amp; its applications”</i>		<b>Dr. Apurba K. Sau</b>		<b>Prof. Deepak Gaur</b>		<b>Prof. Rama Jayasunder</b>

**Week - II**

DATE	9:30am -11:00am	11.00 am – 11.30 am Tea Break	11:30 am-01.00 pm	1.00 pm-2.00 pm Lunch Break	2.00 pm - 3.30 pm	03.30 pm – 03.45 pm Tea Break	3:45 pm-5:15 pm
Monday, October 15, 2018	<b>Dr. Asif Mohammad</b>		<b>Prof. T. P. Singh</b>  <i>“Principle of folding structure and function of proteins”</i>		<b>Prof. Sudha Bhattacharya</b>		Library
Tuesday, October 16, 2018	<b>Prof. R.P Singh</b>  <i>“Cancer Prevention &amp; Control”</i>		<b>Prof. Rajiv Saxena</b>  <i>“Interactions of nanoparticles with the immune system”</i>		<b>Prof. Sivaprakash Ramalingam</b>		<b>Dr. Shailja Singh</b>  <i>“Contemporary Approaches in Anti- Malarial Drug Discovery”</i>
Wednesday, October 17, 2018	<b>Dr. Md. Zahid Ashraf</b>		<b>Prof. Sunder Goyal</b>		Visit to AIRF		Visit to AIRF
Thursday, October 18, 2018	<b>Prof. Alok Bhattacharya</b>		<b>Prof. Rakesh Bhatnagar</b>		<b>Prof. Saroj Mishra</b>  <i>“Production of Human Serum Albumin in Pichia pastoris- Challenges and Solutions”</i>		<b>Prof. S. Ramachandran</b>
Friday, October 19, 2018	<i>Holiday</i>		<i>Holiday</i>		<i>Holiday</i>		<i>Holiday</i>

**Week - III**

<b>DATE</b>	<b>9:30am -11:00am</b>	<b>11.00 am – 11.30 am Tea Break</b>	<b>11:30 am-01.00 pm</b>	<b>1.00 pm-2.00 pm Lunch Break</b>	<b>2.00 pm - 3.30 pm</b>	<b>03.30 pm – 03.45 pm Tea Break</b>	<b>3:45 pm-5:15 pm</b>
Monday, October 22, 2018	<b>Prof. Ashwani Pareek</b>		<b>Prof. C.R.Babu</b>		<b>Prof. Gobardhan Das</b>  <i>“Tuberculosis In India: Challenges and Solutions”</i>		<i>Library</i>
Tuesday, October 23, 2018	<b>Prof. Rakesh Kumar Tyagi</b> <i>“GREEN FLUORESCENT PROTEIN: The journey of a Nobel discovery”</i>		<b>Prof. Ajay Kumar Saxena</b>		<b>Dr. Yashwant Panwar</b>		<b>Prof. Andrew M Lynn</b>
Wednesday, October 24, 2018	<b>Prof. Himadri B. Bohidar</b>  <i>“Nanoscience in Biology: A Perspective”</i>		BSL3 Visit & Animal House		BSL3 Visit & Animal House		<i>Group Discussion</i>
Thursday, October 25, 2018	<b>Prof. Rup Lal</b> <i>The Microbiome Science: A Vision for the Future</i>		<b>Prof. Shandar Ahmad</b>  <i>“Big Data &amp; Bioinformatics”</i>		<b>Dr. Suraksha Diwan</b>  <i>“Funding Opportunities”</i>		<b>Prof. Deepak Sharma</b>  <i>“Introduction to Brain”</i>
Friday, October 26, 2018	<b>Prof. Supriya Chakraborty</b>		<b>Dr. Pratishtha Pandey</b>		<b>Prof. Pramod Yadava</b>  <i>Profiling Telomerase- and EMT-associated Genes” or “The RNA World</i>		<i>Library</i>

**Week - IV**

<b>DATE</b>	<b>9:30am -11:00am</b>	<b>11.00 am – 11.30 am Tea Break</b>	<b>11:30 am-01.00 pm</b>	<b>1.00 pm-2.00 pm Lunch Break</b>	<b>2.00 pm - 3.30pm</b>	<b>03.30 pm – 03.45 pm Tea Break</b>	<b>3:45 pm-5:15 pm</b>
Monday, October 29, 2018	Group Discussion	<b>GROUP PHOTO</b>	<b>Prof. B. Jayaram</b>		<b>Dr. Abhay Sharma</b>  <i>“Basic research and translational research: humble examples from the lab to dispel the confusion”</i>		<b>Prof. Arun Kharat</b>  <i>“Antibiotic Resistance”</i>
Tuesday, October 30, 2018	<b>Prof. Sudhir Sopory</b>	Valedictory  <b>Prof. Rajendra Prasad</b>			Preparation for Group Presentation		Preparation for Group Presentation
Wednesday, October 31, 2018	Evaluation	Evaluation			Evaluation		MCQ
Thursday, November 1, 2018	Evaluation						
Friday, November 2, 2018	Feedback Session 09.00 am - 10.00 am	Combined Valedictory & Certificate Distribution at Lecture Hall 1, Convention Centre					