

Topics and Dates of lectures for the Summer School- 2015

| Sl. No. | Date | Topics | Faculty |
|---------|--|--|-----------------------|
| 1. | 26 th May, 2015, Tuesday | Origin and evolution of Life | Prof. P.K. Yadava |
| 2. | 27 th May, 2015, Wednesday | Thermodynamics and Biological Macromolecules | Dr. S.S. Komath |
| 3. | 28 th May, 2015, Thursday | DNA, Gene and Chromatin | Dr. R. Muthuswami |
| 4. | 29 th May, 2015, Friday | Chromosomal Replication Mechanism & Regulation (I lecture) | Dr. K. Natarajan |
| 5. | 29 th May, 2015, Friday | Gene Expression and its Regulation (II lecture) | Prof. S.K. Goswami |
| 6. | 01 st June, 2015, Monday | Cell Cycle and its Regulation | Dr. Neelima Mondal |
| 7. | 02 nd June, 2015, Tuesday | Chloroplast and its Function | Prof. B.C. Tripathy |
| 8. | 03 rd June, 2015, Wednesday | Protein structure and function-I | Dr. S. Gourinath |
| 9. | 04 th June, 2015, Thursday | Protein structure and function-II | Prof. A.K. Saxena |
| 10. | 05 th June, 2015, Friday | Environmental carcinogens and Cancer | Dr. Ashu Bhan Tiku |
| 11. | 08 th June, 2015, Monday | Protein synthesis and its Regulation | Prof. P.C. Rath |
| 12. | 09 th June, 2015, Tuesday | Genetic analysis of Crop Plants | Dr. Nirala Ramchiary |
| 13. | 10 th June, 2015, Wednesday | Plant Immune System | Prof. Ashis K. Nandi |
| 14. | 11 th June, 2015, Thursday | Plant Viruses and RNA-interference | Prof. S. Chakraborty |
| 15. | 12 th June, 2015, Friday | Metabolic Engineering in Plants for Value Addition and Therapeutics (I lecture) | Prof. Neera B. Sarin |
| 16. | 12 th June, 2015, Friday | Plant Biotechnology: Recent Excitements(II lecture) | Prof. Ashwani Pareek |
| 17. | 15 th June, 2015, Monday | Mammalian Immune System | Dr. Niti Puri |
| 18. | 16 th June, 2015, Tuesday | What makes the Brain to behave so amazing | Prof. B.N. Mallick |
| 19. | 17 th June, 2015, Wednesday | Recent Trends in Neuroscience Research | Dr. Sushil K. Jha |
| 20. | 18 th June, 2015, Thursday | Biology of Aging Process | Prof. Rameshwar Singh |
| 21. | 19 th June, 2015, Friday | Brain and its functions | Prof. Deepak Sharma |
| 22. | 22 nd June, 2015, Monday | Cell Differentiation and Development Concepts in Animal Development | Dr. Shweta Saran |
| 23. | 23 rd June, 2015, Tuesday | Free Radical Generation in Post-Irradiation Period | Prof. R.K. Kale |
| 24. | 24 th June, 2015, Wednesday | Host Pathogen Interaction | Prof. Atul K. Johri |
| 25. | 25 th June, 2015, Thursday | Multidrug Resistance in Yeast –Causes and Effects | Dr. Sneha Lata Panwar |
| 26. | 26 th June, 2015, Friday | Osmo Sensing Signal Transduction pathway in Fungi | Prof. Alok K. Mondal |
| 27. | 29 th June, 2015, Monday | Human Genome, Genetic Diversity and Disease | Prof. R.N.K. Bamezai |
| 28. | 30 th June, 2015, Tuesday | Genotoxic Damage and Cancer | Dr. Suresh Abraham |
| 29. | 01 st July, 2015, Wednesday | Cellular Signalling and Cancer | Prof. Rana Pratap |
| 30. | 02 nd July, 2015, Thursday | Drug Target Identification in Pathogens | Prof. R. Madhubala |
| 31. | 03 rd July, 2015, Friday | Introduction to Computational Genomics | Prof. A. Bhattacharya |
| 32. | 04 th July, 2015, Saturday | Future of Medicine (closing ceremony lecture) | Prof. Rajendra Prasad |