



DEPARTMENT OF BIOTECHNOLOGY
Ministry of Science & Technology

National Hands-on Workshop on Core Cellular and Molecular Immunology Techniques (A DBT-BUILDER sponsored workshop)

Organized by: School of Life Sciences, Jawaharlal Nehru University (JNU)

Preamble

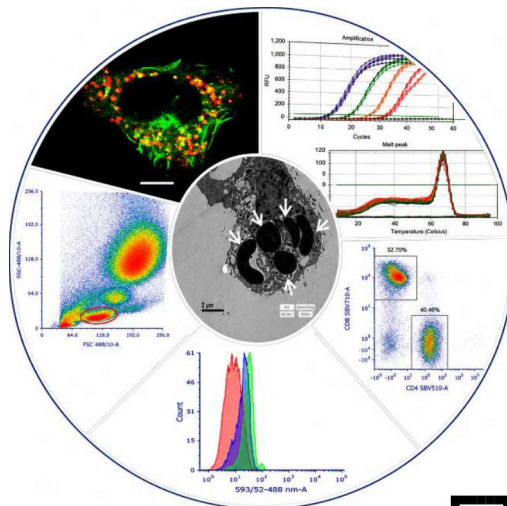
Immunology is the study of the immune system, the body's built-in defense system. This course covers an integrated introduction to immunology and uses techniques used in research and diagnostic laboratories. This is a hands-on course with an emphasis on laboratory approaches that illustrate concepts of how the immune system works. The immunological techniques used include identifying proteins in cells using fluorescence microscopy and flowcytometry and analyzing how immune cells respond to certain challenges. The laboratory component is a way to observe experiments, learn how to design experiments, and to analyze data. The non-laboratory sessions will cover the theoretical aspects of the practical laboratory approaches and the ways that research is performed to understand immunology. The course also covers how to critically discuss, create and present scientific data.

About School of Life Sciences, JNU

SLS is a pioneer in life sciences teaching and research. SLS has been running M.Sc. in Life Sciences, and is now running specialized M.Sc. degree programmes in Epigenetics and Gene Regulation, Cellular and Molecular Metabolism and Biology of Diseases and Pathomechanisms. The School also has a long history of stellar research in the broad area of life sciences, including studies on immunological aspects of various infectious and non-infectious diseases. This workshop is designed for **M.Sc.** and **Ph.D. students** interested in gaining hands-on experience in cutting-edge techniques to be able to apply to their own research.

Workshop Details:

- **Duration:** August 17-21, 2026
- **Eligibility:** M.Sc. (Final) or Ph.D. students, preferably in their 1st or 2nd year, from any Government or Government-recognized private institute.
- **Application:** [submit@https://forms.gle/sR9tBrkMnRfoeaKS9](https://forms.gle/sR9tBrkMnRfoeaKS9)
- **Last Date of Application:** **August 5, 2026**
- **Selection Criteria:** One candidate per laboratory, and will be based on research topic, statement of purpose and the recommendation letter.
- **Capacity:** 15 participants
- **No TA/DA** will be provided to the candidates. **No payment/fee** is required for attending the workshop.
- Hostel /Guest House (sharing) accommodation may be available on payment basis.
- **Selected candidates only will be informed by email by August 7, 2026**



Scan QR Code
for application

Program Coordinator: Dr. Niti Puri, SLS, JNU
Contact: sls_builder@jnu.ac.in

Application and Program details: <https://forms.gle/sR9tBrkMnRfoeaKS9>

Join us for an intensive learning experience in Immunology Techniques!