



Hands on Workshop
on
**Molecular Biology and
Immunology Techniques**

5th January to 18th January 2022



Chief Patron

Prof. J. P. Sharma
Vice Chancellor, SKUAST-Jammu

Patron

Dr. Mohinder Singh Bhadwal
Dean, F.V.Sc. & A.H., SKUAST-Jammu

Dr. R. Katoch

Head, Division of Vet. Parasitology,
cum Dean Student Welfare, SKUAST-Jammu

Course Director

Dr. Anish Yadav
Prof. & ICAR National Fellow
Division of Vet. Parasitology, F.V.Sc. & A.H.,
SKUAST-J

Organised by:

Division of Veterinary Parasitology
Faculty of Veterinary Sciences and Animal Husbandry
Sher-e Kashmir University of Agricultural Sciences &
Technology of Jammu, R. S. Pura, Jammu-181102

Funded by:

Science & Engineering Research Board (SERB),
Govt. of India, Under Accelerate Vigyan Scheme

Contact information:

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No Registration Fee

Last Date of Registration
30-12-2021



Hands on Workshop on Molecular Biology and Immunology Techniques



ABOUT SKUAST-JAMMU

Sher-e-Kashmir
University of
Agricultural
Sciences &
Technology of
Jammu came into
existence on



20th September 1999. The establishment of SKUAST of Jammu has in its background aspirations, commitment and missionary zeal to fulfill the area specific needs of people of Jammu for research and development in the fields of agriculture and allied sectors under the diversified agro-climatic conditions. The university has been actively involved in the transfer of evolved technologies to the end users through the strong extension system. The scientist farmer interactions are frequent and liberal. Training programmes for the up-gradation and refreshing the technical knowledge of line departments functionaries are organized.

OBJECTIVE OF THE WORKSHOP

The objective of the workshop is to improve research productivity of the PG and PhD students by enriching concepts, skills and tools of molecular biology and immunology and to provide hands-on training on various molecular biology and immunological approaches used in diagnosis of zoonotic diseases and development of climate resilient agriculture.

WHO CAN REGISTER?

PG and PhD students of biological sciences from any Indian universities and colleges

HOW TO REGISTER?

- Eligible and interested candidates have to download Application form from the university site: <https://www.skuast.org>
- Take print out and fill the proforma
- The scanned copy as PDF only, of the complete application form duly signed by competent authority (HOD/Guide must be send through Email to the address: serbworkshopskuastj@gmail.com

VENUE & LOCATION

ICAR-National Fellow Lab, Division of Veterinary Parasitology, F.V.Sc. & A.H., SKUAST-J, R. S. Pura, Jammu, UT of J&K- 181102

COURSE OUTLINE

- RNA extraction and cDNA synthesis
- Spectrophotometry of Nucleic acids
- DNA isolation and PCR amplification of target gene
- Agarose gel electrophoresis
- Gel Purification of PCR product
- Restriction digestion of target gene and RFLP analysis
- Preparation of Buffers
- Induction and expression of recombinant protein in *E. coli*
- Purification of recombinant protein by affinity chromatography
- SDS-PAGE and Western blotting
- Indirect ELISA and Dot ELISA

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NOTE: The eligible applications will be scrutinized by the screening committee & selected candidates will be informed by 1st January 2022.

The selected candidates have to bring original hard copy of complete application form duly signed by HOD/Guide.

**All latest COVID-19 protocols/guidelines
(as per Govt. of UT of J&K)
must be strictly followed during the travel and
conduct of workshop**



**Science and Engineering Research Board (SERB) Sponsored Workshop
on
Hands on Workshop on Molecular Biology and Immunology
Techniques
5th January to 18th January, 2022**

1. Full Name (in block letters):
2. Date of Birth:
3. Designation:
4. Address for correspondence:

**Paste a recent
color passport
size photo**

Email:

Mobile:

Aadhaar No:

5. Work experience/field:
6. Academic records from Bachelor Degree onwards:

Educational qualification

| Degree | Major Subject | Year | Division | University/Institute |
|-----------|---------------|------|----------|----------------------|
| Bachelor | | | | |
| Masters | | | | |
| Ph.D. | | | | |
| Any other | | | | |

COVID-19 Vaccination details

| Name of Vaccine | Date of 1 st Dose | Date of 2 nd Dose |
|-----------------|------------------------------|------------------------------|
| | | |

Note: The application of those candidates who have been double vaccinated for COVID-19 will only be considered for scrutiny.

Date:

Place:

(Signature of the applicant)

Recommendation by Guide/HOD of the forwarding institution

This is to certify that the information furnished by the applicant was checked with office records and found correct.

Signature with seal of recommending authority

Name:

Designation:

Address: