



**Sher-e-Kashmir  
University of Agricultural Sciences  
& Technology of Kashmir**

**ICMR Sponsored Training**

**10 days Workshop on**  
**Biomaterials &**  
**Stem Cells**  
**in Regenerative Medicine**

**(04th – 13th December, 2024)**

**Organized By**

*Division of Veterinary Clinical Complex  
FVSc & AH (SKUAST-Kashmir) Shuhama, Alusteng*

**Sponsored By**

*Department of Health Research (DHR)  
Indian Council of Medical Research (ICMR)  
Ministry of Health and Family Welfare (MHFW)  
Government of India (GoI)*

**Venue**

*Stem cell and Tissue Engineering Labs,  
Veterinary Clinical Complex, FVSc & AH (SKUAST-K),  
Shuhama, Alusteng-190006*



## About the Workshop

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Last two decades have seen a steep rise in research in stem cell biology and biomaterials fabrication and their potential therapeutic applications, although mainly focused towards the human medicine. In recent times, animal ethical considerations, their role as pet and in ensuring the safe and secure food, besides being the backbone of agrarian economy and translational studies, Veterinary Medicine too has seen a decent impetus. The veterinary stem cell research plays a double-edged weapon: on one hand it provides evidence for stem cell-based therapeutics in animals and on other hand it provides complementary and supplementary evidence for stem cell applications in human medicine. This workshop aims to bring in students from basic biological and clinical subjects to foster their research orientation towards “One Health”.

This course will be conducted to sensitize the relevant scientists and/ or future budding professionals towards understanding the basics of the stem cells especially mesenchymal stem cells and biomaterials. It aims to impart know-how of animal modelling for evaluation of therapeutic potential of tissue engineered constructs in various experimental models. Lastly and importantly, participants shall be exposed to the clinical applications of the stem cells in animals to provide evidence based regenerative medicine.

### Objectives of the course

- To impart basic know-how of the fabrication of functional biomaterials.
- To Impart Basic Know-how of Stem Cell Isolation, Culture and Characterization.
- To Demonstrate Experimental Modelling for Evaluation of Therapeutic Potential of Stem Cells
- To provide exposure to the Clinical Applications of the Stem cells.

## The Host Institute

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The Faculty of Veterinary Sciences and Animal Husbandry exists since 1984 as a constituent unit of the premier Institute in the Valley, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K (Ranked 4th best State Agricultural Universities of India in 2023). It is mandated with the professional training in the field of Veterinary and Animal Sciences. The faculty is actively involved in research and extension activities pertaining to the production, health and management of the animals, in addition to the public health safety. The faculty has developed significantly under the star college scheme of department of Biotechnology (DBT), Gol for strengthening of the science education training. The faculty has centres of excellence including the one on an emerging and a global threat of antimicrobial resistance. Recently, School of one Health has been carved out in the faculty to promote larger interests of the society. The faculty has MoU with various institutes including the ICAR institutes, Govt. Medical College, Srinagar and SKIMS, Soura. The faculty has recorded significant achievements within available resource in the areas of its statutory mandate. The faculty is routinely conducting various trainings/ workshops for outside faculties and students to learn new and emerging techniques and technologies in the field of biotechnology, regenerative medicine and other fields.

## About the Host Division

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The Division of Veterinary Clinical Complex is one of 21 Division of FVSc & AH (SKUAST-Kashmir) to undertake the activities pertaining to its discipline specific Teaching, Research and Extension. This division runs a dedicated referral veterinary hospital that caters to the needs of the ailing animals across the whole Kashmir and Ladakh region. Veterinary Clinical Complex has a well-qualified scientific staff actively engaged in teaching, research and healthcare activities. It has a reputation to run number of externally funded research projects including that on the stem cells and biomaterials for regenerative medicine. The Division has an established stem cell and tissue engineering Laboratories that routinely cultures mesenchymal stem cells (MSCs) and fabricates functional biomaterials for research and therapeutic purposes. Currently, doctoral (PhD) and Masters students (MVSc and MSc) are working in the lab to conduct research in the field of regenerative medicine. The stem cell and tissue engineering labs of the division has previously also conducted such programs.

## Applications invited from

<b>Applicants</b>	<b>Students/ researchers/ faculty members</b>
<b>Qualifications</b>	<b>PhD /MD/MS/MVSc/MSc</b>
<b>Background qualifications/ discipline</b>	<b>Biochemistry, biotechnology, physiology, surgery, medicine, etc.</b>
<b>Seats available</b>	<b>20 participants</b>

<b>Registration</b>	<b>Free of cost registration</b>
<b>Accommodation and Food</b>	<b>Food and accommodation will be provided free of charge, especially for outside participants; however, travel expenses will not be covered.</b>

## Registration Form

### Personal Details:

Name in full \_\_\_\_\_  
Address: \_\_\_\_\_  
Aadhaar No. \_\_\_\_\_  
Ph no \_\_\_\_\_ WhatsApp no: \_\_\_\_\_ e-mail: \_\_\_\_\_  
Qualification \_\_\_\_\_ Marks obtained in UG \_\_\_\_\_ Number of Research Publication \_\_\_\_\_

### Undergoing Education Programme:

Name of the programme: \_\_\_\_\_ Semester \_\_\_\_\_ Year \_\_\_\_\_  
Faculty / Collage \_\_\_\_\_ Affiliated University \_\_\_\_\_

### Previous training / workshop attended

Whether any training / workshop attended: Yes / No  
If yes, Name of the programme \_\_\_\_\_ Duration \_\_\_\_\_, Hosted by \_\_\_\_\_

### Declaration:

1. I do hereby declare that the above-mentioned information is true to the best of my knowledge.
2. I shall attend all the sessions of the workshop and shall abide by the rules / norms set by the Event Organizer

**Signature of the candidate**

### Recommendation:

## Technical Programme - Flow Chart



## Organizing Committee

### CHIEF PATRON

**Prof. Nazir Ahmad Ganai**

Hon'ble Vice Chancellor

SKUAST-Kashmir

### PATRONS

**Prof. Haroon Naik**

Director Research, SKUAST-Kashmir

**Prof. Shayaib A Kamil**

Dean, FVSc & AH, SKUAST-Kashmir

### CONVENOR

**Prof. Amatul Muhee**

Head, Vet Clinical Complex

FVSc & AH, SKUAST-Kashmir

### ORGANIZING SECRETARY

**Dr. Mudasir Bashir Gugjoo**

Assistant Professor (Sr Scale)

Vety Clinical Complex

FVSc & AH, SKUAST-Kashmir

### Contact at:

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# SKUAST-Kashmir

**Division of Veterinary Clinical Complex**

Faculty of Veterinary Sciences & Animal Husbandary

**ICMR Sponsored Training**

**10 days Workshop on**

## **Biomaterials & Stem Cells**

**in Regenerative Medicine**

Eligibility/ number of participants	Preferable field	Application procedure	Tentative Date of workshop
PGs, PhDs, Research fellows or faculty members in biological sciences (Total: 20)	Regenerative medicine, Clinical subjects in Veterinary or Human medicine, Biotechnology, Biochemistry, Physiology, etc.	Through proper channel (format available at SKUAST-K website)	04th - 13th December, 2024

**Apply**



Scan this  
QR CODE for  
registration

Last date for submission of application is

**30-11-2024 (3:00 PM)**

**Dr Mudasir Bashir Gugjoo**, Organizing Secretary

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