



**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

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

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), GoI 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

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

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

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

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)

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FVSc & AH, SKUAST-Kashmir

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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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