

CLINICAL TRIAL CENTRE



Activity Report

2 0 2 4 - 2 5

MESSAGE FROM THE DESK OF HON'BLE PRESIDENT

DR VIJAY DHASMANA



STAYING AHEAD OF THE TIMES WITH TIMELESS VALUES

At SRHU, our transformative approach nurtures holistic growth, equipping students with the skills, experiences, and wisdom to navigate life's journey with purpose and confidence.

Over three decades, SRHU's strong foundation in Medical, Science and Technology, Management, Biosciences, Yoga Sciences, and social outreach, has been the bedrock for shaping the future. Our world-class academic resources, cutting-edge research opportunities, and national and international collaborations create an unparalleled learning ecosystem.

Here, students don't just earn qualifications—they emerge as leaders, innovators, and changemakers. Whether as doctors, scientists, technocrats, educators, or entrepreneurs, they are driven by knowledge, values, and a spirit of service. To those seeking a path of self-discovery, excellence, and meaningful impact—welcome to SRHU

Welcome to the most transformative years of life! May our 'Life Ka Compass' help discover your path and set you on course for success!

MESSAGE FROM THE VICE CHANCELLOR

DR RAJENDRA DOBHAL, FNASC



**SRHU SHAPING THE
FUTURE OF
EDUCATION AND
INNOVATION**

With 66% of its population under 35, India stands at the threshold of transformation. By 2047, our higher education system must not only equip young minds with knowledge but also drive innovation, research, and entrepreneurship to position India as a global leader.

At SRHU, we are deeply aligned with this national vision. We are building not just a university, but a vibrant ecosystem that nurtures curiosity, encourages critical thinking, and empowers students to become change-makers. In line with NEP 2020, we offer programs designed to meet the evolving needs of a dynamic world. I invite aspirants to join SRHU's thriving community—where education is not just about degrees, but about shaping a future of innovation, excellence, and global impact.

ABOUT SWAMI RAMA HIMALAYAN UNIVERSITY

SRHU CAMPUS JOLLY GRANT



SRHU ACADEMIC UNITS



Swami Rama Himalayan University (SRHU), established in 2012 and located near Jolly Grant Airport in Dehradun, Uttarakhand, is a premier private institution named after the renowned yogi Swami Rama. Spread over a 200+ acre eco-friendly campus, SRHU offers a diverse range of undergraduate, postgraduate, and doctoral programs through its key schools—Himalayan Institute of Medical Sciences (HIMS), Himalayan College of Nursing (HCN), School of Science & Technology (SST), School of Bioscience (SBS), School of Yoga Science (SYS), School of Pharmacy (SPS) and School of Management Studies (SMS). Recognized by the UGC, NMC, and Indian Nursing Council, and accredited with an NAAC A+ grade, the university is known for its academic excellence, state-of-the-art infrastructure, and strong focus on holistic development.



Swami Rama Himalayan University

NAAC A+

MISSION

To transform lives by nurturing excellence in the creation and dissemination of knowledge through education, research, innovation and technology besides providing multidimensional humanitarian opportunities for social upliftment in accordance with the ideals of Swami Rama.

VISION

To be recognized as a premier university through providing quality education and healthcare in a manner that is holistic and evolutionary.

VALUES

- Integrity
- Excellence
- Inclusivity
- Compassion
- Altruism

CLINICAL TRIAL CENTRE



ABOUT US

The Clinical Trial Centre was established on 11 October 2022 to conduct high-quality clinical research supporting new drug development. The inauguration featured a ribbon-cutting and Nariyal Fodne ritual, attended by SRHU's Vice Chancellor Dr. Vijay Dhasmana and Dr. Rajendra Dobhal, highlighting the institution's research commitment. Clinical trials in India follow strict regulations like NDCTR 2019, ICMR guidelines, and DCGI rules, with mandatory registration on the Clinical Trials Registry - India (CTRI). Dr. Nikku Yadav confirmed all trials at the center will comply with national and international standards, requiring DCGI approval and independent ethics oversight. The center partners with Somaya Research and Health Services LLP and KV Clinical Research to enhance trial operations, patient recruitment, and multi-center studies. It will focus on cardiovascular, metabolic, neurological, infectious, oncology, and rare diseases, advancing drug development through expert clinicians and researchers.

OBJECTIVES

01

To conduct scientifically rigorous and ethically sound clinical trials.

02

To promote collaborations and multi-centre trials nationally and internationally

03

To provide practical training and capacity building in clinical research.

04

To support investigator- and sponsor-initiated research projects.

05

To promote collaborations and multi-centre trials nationally and internationally



TEAM MEMBER

Dr Nikku Yadav

Dr Manish Raturi

Dr Ankit Batra

Dr Aavarti Batra

Dr Sanjiv Kumar Verma

Dr Reshma Kaushik

CLINICAL TRIAL CENTRE



Functional Areas of Centre:

The Clinical Trial Centre operates across multiple functional areas to ensure the smooth execution of clinical research while maintaining regulatory compliance, ethical standards, and high-quality data integrity.

The key functional areas of the centre include:

1. Clinical Trial Operations

- Designing and managing clinical trials for various therapeutic areas.
- Ensuring adherence to Good Clinical Practice (GCP) guidelines.
- Overseeing patient recruitment, screening, and enrolment.
- Conducting site monitoring, data collection, and safety assessments.
- Coordinating with sponsors, investigators, and ethics committees.

2. Regulatory Affairs & Compliance

- Ensuring all clinical trials comply with NDCTR 2019, ICMR guidelines, and Drugs Controller General of India (DCGI) regulations.
- Preparing and submitting regulatory documents for approvals from DCGI, Institutional Ethics Committee (IEC), and other governing bodies.
- Registering trials with the Clinical Trials Registry - India (CTRI) to maintain transparency.
- Ensuring compliance with ethical guidelines for patient safety and rights.

3. Site Management & Coordination

- Managing clinical trial sites efficiently through collaborations with Somaya Research and Health Services (SRHS) LLP and KV Clinical Research, Chhattisgarh.
- Conducting feasibility studies to assess the suitability of the site for different therapeutic trials.
- Training site personnel, investigators, and research coordinators.
- Ensuring timely execution of trials with effective resource management.

4. Patient Recruitment & Retention

- Developing patient recruitment strategies to enhance enrollment.
- Conducting awareness programs and community engagement initiatives.
- Ensuring informed consent processes are properly followed.
- Implementing patient retention strategies for long-term trials.

5. Data Management & Biostatistics

- Managing clinical trial data collection, validation, and analysis.
- Implementing electronic data capture (EDC) systems to maintain data integrity.
- Conducting statistical analysis for clinical trial outcomes.
- Ensuring compliance with 21 CFR Part 11 for electronic records.

6. Pharmacovigilance & Safety Monitoring

- Monitoring and reporting adverse drug reactions (ADRs) and serious adverse events (SAEs).

- Ensuring compliance with global pharmacovigilance regulations.
- Implementing risk management plans (RMPs) for safety monitoring.
- Conducting periodic safety updates and reporting to regulatory authorities.

7. Training & Capacity Building

- Providing hands-on training for students and clinical research professionals.
- Conducting workshops, seminars, and certificate programs in clinical research.
- Collaborating with academic institutions for research and education.
- Offering specialized training in Good Clinical Practice (GCP), Good Laboratory Practice (GLP), and Regulatory Affairs.

8. Quality Assurance & Auditing

- Conducting internal audits and quality control checks.
- Ensuring compliance with Standard Operating Procedures (SOPs).
- Performing risk assessments and corrective action planning.
- Preparing for external audits by regulatory authorities and sponsors.

9. Investigator-Initiated & Sponsor-Initiated Research

- Supporting investigator-initiated clinical research projects.
- Conducting industry-sponsored trials in collaboration with pharmaceutical companies and Contract Research Organizations (CROs).
- Developing research proposals and grant applications for funding.

10. Multi-Center Clinical Trials & Collaborations

- Coordinating multi-site clinical trials with national and international research centers.
- Conducting global clinical trials for new drug applications (NDAs) and biologics license applications (BLAs).

[Link for website](#)

Glimpse of the Event



Press Media

DEHRADUN, WEDNESDAY OCTOBER 12, 2022, PAGE 12 / 12

the pioneer
www.dailypioneer.com

**Clinical trial centre
inaugurated at
Himalayan hospital**

2 / 12

PNS ■ DEHRADUN

The vice chancellor of the Swami Rama Himalayan University, Vijay Dhasmana inaugurated the clinical trial centre of the Himalayan hospital on Tuesday. The centre has been established to conduct clinical trial studies for the development of new

Clinical trials are an intrinsic part of top quality, contemporary healthcare facilities, and constitute a significant step in developing new treatments to improve human health.

Clinical trials in India refer



drugs. Speaking on the occasion Dhasmana said, "The clinical trials will be conducted at the centre for multiple indications. Our doctors will be involved in the development of new drugs and also, the students of clinical research will benefit from in-house hands-on experience of the clinical trials."

He added that the clinical trials will be conducted after the permission from DCGI India and other regulatory au- ed.

to clinical research in which researchers test drugs and other treatments on research participants. As per rules of government agencies (NDCTR 2019 and ICMR guidelines) it is recommended that all researchers conducting a clinical trial must publicly document it in the Clinical Trials Registry, India.

The pro vice chancellor of SRHU Dr Vijendra Chauhan, CRI director Dr Sunil Saini, SRHU registrar Susheela Sharma and others were pres- ent on the occasion.

www.epaper.loksatya.com

वर्ष: 12 अंक: 356

नई दिल्ली

कर्तवीक, कुण्डा पथ, दुर्गा पा, विकासी संकात, 2079

बुधवार, 12 अक्टूबर, 2022

मुद्रण: 2.00 कुल पृष्ठ: 12

05 आसमान दुआ साफ, निकली तेज धूप

लोकसत्य

राष्ट्रीय हिंदी दैनिक

जल प्रदेश • जलसंग्रह • बैठक • दिल्ली से प्रकाशित

सत्य के संग, असत्य से जंग

BJP अध्यक्ष की चिट्ठी पर CM का पलटवार 07 कंगना ने किया

हिमालयन हॉस्पिटल जॉलीग्रांट में विलनिकल ट्रायल सेंटर का उद्घाटन

देहरादून, लोकसत्य

अब हिमालयन हॉस्पिटल जॉलीग्रांट में भविष्य में विमारी के उपचार के लिए नए टीके अथवा दवा का विलनिकल ट्रायल भी हो सकेगा। हॉस्पिटल के कैसर रिसर्च सेंटर में विलनिकल ट्रायल सेंटर शुरू किया गया है। कुलपति डॉ. विजय धसमाना ने सेंटर का औपचारिक उद्घाटन कर जन स्वास्थ्य को समर्पित किया। कुलपति डॉ. विजय धसमाना ने सेंटर का उद्घाटन करते हुए कहा कि किसी भी टीके या दवाई की विकास प्रक्रिया में विलनिकल ट्रायल सबसे अहम होता है। विलनिकल ट्रायल सेंटर में नियुक्त डॉ. निकू यादव ने बताया कि केंद्र सरकार की गाइडलाइन के मुताबिक ही विलनिकल ट्रायल किया जाएगा।



रोगियों के इस्तेमाल से पूर्व पांच चरणों में दवाई का परीक्षण किया जाता है। इस सेंटर में तीसरे व चौथे चरण का परीक्षण किया जाएगा। उन्होंने बताया कि हिमालयन हॉस्पिटल को फर्मास्यूटिक्स की बहुराष्ट्रीय कंपनियों की ओर से प्रोजेक्ट साझा किया जाएगे। इस दौरान प्रति कुलपति डॉ. विजेन्द्र चौहान, मुख्य चिकित्सा अधीक्षक डॉ. एस.एल जेठानी, डॉ. सुनील सैनी,

कुलसचिव सुशीला नौटियाल, डॉ. राजेंद्र डोभाल, डॉ. मुश्ताक अहमद, डॉ. सीएस नौटियाल, डॉ. आशा चंदोला, डॉ. डीसी धसमाना, सोमाया रिसर्च एंड हेल्थ सर्विसेज के अरविंद कुमार, शुभम तोमर, निधि यादव सहित हिमालयन इंस्टिट्यूट ऑफ मेडिकल साइंसेज के कम्प्यूनिटी मेडिसिन विभाग के विलनिकल रिसर्च व एपिडियोमेलॉजी के छात्र-छात्राएं मौजूद रहे।

THE COMMITTEE



The committee includes:

- Director Research, Research & Development Cell, Chairperson
- Principal Himalayan University of Medical, Member
- Medical Superintendent Himalayan Hospital, Member
- Finance Officer, Member
- Head, Legal Department, Member
- HOD/In-Charge, Department of Clinical Research, HIMS, Member Secretary

Swami Rama Himalayan University

Office of the Registrar

SRHU/Reg/OO/2025- 71

Date: 19th April 2025

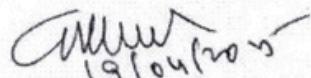
OFFICE ORDER

Subsequent to appointment of Dr. A. K Deorari as Pro Voce- Chancellor, I am directed to inform that the Clinical Trial Committee of the University is hereby re-constituted, comprising of the following members:

1. Director Research, Research & Development Cell	:	Chairperson
2. Principal, Himalayan Institute of Medical Sciences	:	Member
3. Medical Superintendent, Himalayan Hospital	:	Member
4. Member Secretary, Ethics Committee	:	Member
5. Finance Officer	:	Member
6. Head, Legal Department	:	Member
7. HOD/In-charge, Department of Clinical Research, HIMS	:	Member Secretary

This bears the approval of the Competent Authority.

By Order,


Registrar

Copy to:

Hon'ble President
Hon'ble Vice Chancellor
Director General (Academic Development)
Pro Vice Chancellor
Principal, HIMS
Finance Officer
All the member of Clinical Trial Committee

} *for kind information please*

Swami Rama Himalayan University

Office of the Registrar

SRHU/Reg/OO/2023-186

Date: 30th September, 2023

OFFICE ORDER

I am directed to inform that in order to facilitate the Clinical Trials at SRHU and maintain the guidelines of Clinical Trials, **Clinical Trial Committee** of the University is hereby re-constituted, comprising of the following members:

1. Dr. Bindu Dey, Director Research Research & Development Cell, SRHU	:	Chairperson
2. Dr. Vijendra D. Chauhan Director General (Academic Development), SRHU	:	Co-Chairperson
3. Dr. A.K. Deorari, Principal Himalayan Institute of Medical Sciences	:	Member
4. Dr. S.L. Jethani, Chief Medical Superintendent Himalayan Hospital, SRHU	:	Member
5. Dr. D.C. Dhasmana Professor, Department of Pharmacology, HIMS	:	Member
6. Mr. Avnish Shalya Finance Officer, SRHU	:	Member
7. Mr. Arun Kundra Legal Consultant	:	Member
8. Dr. Nikku Yadav, Assistant Professor Department of Community Medicine, HIMS	:	Member Secretary

The tenure of the above constituted Committee shall be for a period of 03 (Three) years.

This bears approval of the Competent Authority.

By Order,



Registrar

Copy to: Hon'ble Chancellor

Hon'ble Vice Chancellor

Director General (Academic Development)

Advisor(s), SRHU

Director, Research

Director, Medical Services

Principal, HIMS

Persons concerned

} for kind information please

Swami Rama Himalayan University

Office of the Registrar

SRHU/Reg/OO/2022-169

Date: 16th September, 2022

OFFICE ORDER

I am directed to inform that in order to facilitate Clinical Trials at SRHU and maintenance of the guidelines of Clinical Trials, a Committee comprising of the following is hereby constituted:

1	Dr. Rajendra Dobhal	:	Chairperson
	Honorary Director - Strategic Planning and R & D		
2	Dr. Vijendra D. Chauhan	:	Co-Chairperson
	Pro Vice Chancellor, SRHU		
3	Principal	:	Member
	Himalayan Institute of Medical Sciences		
4	Chief Medical Superintendent/ Medical Superintendent	:	Member
	Himalayan Hospital		
5	Dr. D.C. Dhasmana	:	Member
	Professor, Department of Pharmacology, HIMS &		
	Secretary, Ethics Committee		
6	Mr. Avnish Shalya	:	Member
	Finance Officer, SRHU		
7	Mr. Arun Kundra	:	Member
	Legal Consultant		
8	Dr. Nikku Yadav, Assistant Professor,	:	Member Secretary
	Department of Community Medicine, HIMS		

The tenure of the above constituted Committee shall be for a period of 03 (Three) years.

This bears the approval of the Competent Authority.

By Order,


16/9/22
Registrar

Copy to: Hon'ble Chancellor
Hon'ble Vice Chancellor
Pro Vice Chancellor
Advisor(s), SRHU
Honorary Director, Strategic Planning and Research & Development
Director, Medical Services
Principal, HIMS
Person(s) concerned

} for kind information please



SWAMSWAMI RAMA HIMALAYAN UNIVERSITY

OFFICE OF THE REGISTRAR

SRHU/Reg./OO/2020 - 162

Date: 24th December 2020

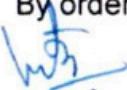
OFFICE ORDER

In order to maintain the guidelines of Clinical Trials, a Committee has been re-constituted, comprising of the following:

Dr. Vijendra D. Chauhan, Professor & Head, Department of Orthopaedics, HIMS	Chairperson
Dr. C.S. Nautiyal, Scientific Advisor	Member
Dr. Vinita Kalra, Officer Incharge, Research & Ph.D. Cell	Member
Dr. D.C. Dhasmana, Secretary, Ethics Committee	Member
Mr. Avnish Shalya, Finance Officer	Member

This supersedes the Committee for starting of Clinical Trials of the University constituted earlier vide letter no. SRHU/Reg./OO/2018-11 dated 14th February 2018.

This bears the approval of the competent authority.

By order,

Registrar

Copy to:

Hon'ble Vice Chancellor } for his kind information
Pro Vice Chancellor }
Scientific Advisor
Officer Incharge, Research & Ph.D. Cell
Dean, Faculty of Medicine
Director, CRI
Principal, HIMS - to intimate respective departments under your control
Secretary, Ethics Committee
All members concerned



DETAIL OF ITEM

- -80° C Deep Freezer
- -20°C Deep Freezer
- Centrifuge
- Workstation: 16
- Bio Bank Unit

SOFTWARES

- Oracle
- Cenduit
- IWRS
- Imediadata
- Icon

ACTIVITY

S.no	Activity	Date
1	Workshop on Bioethics, Sponsored by Department of Health Research, Ministry of Health and Family Welfare (MoHFW)	4 July 2025 - 5 July 2025
2	Celebration of International Clinical Trials Day 2025	20 May 2025
3	International Symposium on Biology and Medicine in AI Era with Hands-on workshop on Datamining, Statistics and AI ML tools in Biomedicine	18-20 February 2025
4	Workshop on Bioethics, Sponsored by Department of Health Research, Ministry of Health and Family Welfare (MoHFW)	6 Jan 2025-7 Jan 2025
5	Celebration of Clinical Trials Day 2024 with Good Clinical Practice Workshop	20 May 2024

EVENTS / HIGHLIGHTS

Report on Training Workshop on Ensuring Integrity in Healthcare & Medical Ethics: Good Clinical Practice & Ethics

Sponsored by: Department of Health Research, Ministry of Health and Family Welfare (MoHFW)

Date: July 4 – July 5, 2025

Venue: B.C. Roy Auditorium, HIMS

Number of Participants: 121

The Department of Clinical Research at the Himalayan Institute of Medical Sciences (HIMS), Swami Rama Himalayan University (SRHU), in collaboration with the Department of Health Research, Ministry of Health and Family Welfare (MoHFW), launched a five-week training program on "Ensuring Integrity in Healthcare & Medical Ethics," beginning on July 4, 2025. As part of this initiative, a two-day workshop on "Good Clinical Practice & Ethics" was conducted from July 4–5, 2025, aiming to strengthen the ethical competence of faculty members and Research Ethics Committees across medical institutions in Uttarakhand. Research committee members from all medical colleges in the state were invited to participate in this sensitization program.

Inaugural Session

The workshop was formally inaugurated by esteemed dignitaries:

Dr. Kiran Katoch, NJILOMD, ICMR (Chief Guest)

Dr. Rajendra Dobhal, Vice-Chancellor, SRHU

Dr. Vijendra D Chauhan, Director General Academic Development, SRHU

Dr. Pradeep Varshney, Director IQAC, SRHU

Dr. Yogender Singh, other Principals and Departmental Heads of SRHU

The organizing team was led by:

Lt. Gen Dr. Daljit Singh, Principal, HIMS (Organizing Chairperson)

Dr. Bindu Dey, Director of Research, SRHU (Organizing Chairperson)

Dr. Nikku Yadav, Head, Department of Clinical Research, HIMS (Organizing Secretary)

Supporting organizers included: Dr. Ruchi Juyal, Dr. Manisha Sharma, Mr. Abhinav, Ms. Akanksha, Ms. Jagriti, and Ms. Pooja.

Distinguished Speakers

The workshop featured expert speakers from across India, including:

Dr. Vikas Dhiman – Director, Regulatory Affairs, India Subcontinent, GSK Pvt. Ltd; Member, ISCR North Chapter

Dr. Abhishek Tyagi – Senior Director, FSP Hub Lead – India & Philippines, PPD Clinical Research Services (Thermo Fisher Scientific)

Dr. Monika Bahl – Founder Director, Shodh Clinicals

Dr. Puja Nagpal – Consultant, Indian Spinal Injuries Centre

Workshop Highlights:

The sessions focused on fostering ethical conduct and adherence to Good Clinical Practice (GCP) guidelines in clinical research. Through expert-led presentations, interactive discussions, and practical exercises, the participants engaged with critical topics such as:

Fundamental principles of research ethics

Roles and responsibilities of Ethics Committees

Implementation of GCP standards

Ethical decision-making and management of dilemmas in clinical trials

The workshop was attended by 121 participants, including faculty and research committee representatives from five prominent medical institutions in Uttarakhand:

Doon Medical College, Dehradun

Graphic Era Medical College, Dehradun

Government Medical College, Haridwar

Himalayan Institute of Medical Sciences, SRHU

Conclusion and Way Forward

This workshop served as a valuable platform for capacity building and inter-institutional collaboration among ethics oversight bodies within the region. By promoting a deeper understanding of ethical frameworks and cultivating a culture of research integrity, the program contributed significantly to enhancing the quality and compliance of clinical research in Uttarakhand.

The broader five-week training initiative will continue, with batch of 30 participants from Gurukul Kangri Haridwar, SGGR Dehradun & SRHU, ensuring sustained engagement and capacity development in ethical research practices.



Lamp lighting ceremony graced by the Honourable Vice Chancellor, marking an auspicious beginning to the event.

All guests presenting souvenirs as a gesture of appreciation during the workshop ceremony.



Honourable Vice Chancellor presenting a token of appreciation to Dr. Monika Behl for her exemplary contributions



Insightful discussions, powerful voices. Our expert panel sheds light and the future ahead."

Press Media



दैनिक जागरण

कार्यशाला में सीखे ज्ञान को व्यवहारिकता में लाएं



कार्यशाला के लिए मौजूद विकिट्सक • साजाई संस्थाएँ

संवाद सहयोगी जागरण • डॉ ईवाला: हिमालयन इंस्टीट्यूट आफ मेडिकल साइंसेज जौलीग्रांट में गुड विलनिकल प्रैक्टिस एंड एथिक्स पर पांच सप्ताह का प्रशिक्षण कार्यक्रम शुरू हुआ। जिसका उद्देश्य विकिट्सा संस्थानों में संकाय सदस्यों और अनुसंधान नैतिकता समितियों को नैतिक क्षमता को मजबूत करना है।

एसआरएचयू आयोजित प्रशिक्षण कार्यक्रम का शुभारंभ मुख्य अतिथि एनजेआईएलओएमडी, आईसीएमआर से डॉ. किरन कटोच और एसआरएचयू के कुलपति डॉ. राजेन्द्र डोभाल ने किया। उन्होंने कहा कि इस प्रशिक्षण कार्यक्रम में प्रतिभागी जो सीखेंगे वह उसे व्यवहारिकता में लाएं। प्रशिक्षण कार्यक्रम में मुख्य वक्ता डॉ. विकास धीमान, डॉ.

अभिषेक त्यागी, डॉ. मोनिका बहल, डॉ. पूजा नागपाल ने प्रतिभागियों को अनुसंधान नैतिकता के मौलिक सिद्धांत, नैतिकता समितियों की भूमिका और जिम्मेदारियाँ, जीसीपी. मानकों का कार्यान्वयन, नैदानिक परीक्षणों में नैतिक निर्णय लेना और दुविधाओं का प्रबंधन के विषय में विस्तार से जानकारी दी। डॉ. निकू यादव ने बताया कि उत्तराखण्ड के चार मेडिकल कॉलेज से 121 प्रतिभागी इस कार्यशाला में शामिल हुए। इस अवसर पर डीन मेडिकल कॉलेज लैंगिनेट जनरल (सेनि.) डॉ. दलजीत सिंह, महानिदेशक शैक्षणिक विकास डॉ. विजेन्द्र चौहान, डॉ. बिंदु डे, डॉ. प्रदीप वार्ष्ण्य, डॉ. योगेन्द्र सिंह, डॉ. निकू यादव, डॉ. रुचि जुयाल आदि मौजूद रहे।

स्वतंत्र चेतना

गुड विलनिकल प्रैक्टिस एंड एथिक्स पर कार्यशाला का शुभारंभ



स्वतंत्र चेतना

डॉ ईवाला। हिमालयन इंस्टीट्यूट ऑफ मेडिकल साइंसेज जौलीग्रांट में गुड विलनिकल प्रैक्टिस एंड एथिक्स पर पांच सप्ताह का प्रशिक्षण कार्यक्रम शुरू हो गया है। जिसका उद्देश्य उत्तराखण्ड के विकिट्सा संस्थानों में संकाय सदस्यों और अनुसंधान नैतिकता समितियों की नैतिक क्षमता को मजबूत करना है। एसआरएचयू के हिमालयन इंस्टीट्यूट ऑफ मेडिकल साइंसेज एवं स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार कल्याण मंत्रालय की ओर से इस प्रशिक्षण कार्यक्रम का आयोजन किया जा रहा है। डॉ. बीसी रॉय सभागार में आयोजित कार्यशाला का शुभारंभ मुख्य अतिथि एनजेआईएलओएमडी, आईसीएमआर से डॉ. किरन कटोच और एसआरएचयू के कुलपति डॉ. राजेन्द्र डोभाल ने किया। उन्होंने प्रतिभागियों से कार्यशाला में सीखे गये ज्ञान को व्यवहारिकता में लाने की बात कही। इस दौरान मुख्य वक्ता डॉ. विकास धीमान, डॉ. अभिषेक त्यागी, डॉ. मोनिका बहल, डॉ. पूजा नागपाल ने प्रतिभागियों को अनुसंधान नैतिकता के मौलिक सिद्धांत, नैतिकता समितियों की भूमिका और जिम्मेदारियाँ, जी.सी.पी. मानकों का कार्यान्वयन, नैदानिक परीक्षणों में नैतिक निर्णय लेना और दुविधाओं का प्रबंधन के विषय में विस्तार से जानकारी दी। डॉ. निकू यादव ने बताया कि उत्तराखण्ड के चार मेडिकल कॉलेज से 121 प्रतिभागी इस कार्यशाला में शामिल हुए। इस अवसर पर डीन मेडिकल कॉलेज ले.ज. डॉ. दलजीत सिंह, महानिदेशक शैक्षणिक विकास डॉ. विजेन्द्र चौहान, डॉ. बिंदु डे, डॉ. प्रदीप वार्ष्ण्य, डॉ. योगेन्द्र सिंह, डॉ. निकू यादव, डॉ. रुचि जुयाल, डॉ. मनीषा शर्मा, अभिनव, आंकांक्षा, जागृति, पूजा उपस्थित थे।

प्रधान टाइम्स

रविवार 06 जुलाई 2025, अल्मोड़ा

बॉलीवुड : दीवी पर महिला-केंद्रित

अल्मोड़ा, डेहरादून, सहारनपुर से प्रकाशित POSTAL REGD. NO. UA/DN 140-03 संपादक 9411115027 वर्ष 12 अंक 176 आर.एन.आई. नं. UTTHIN/2014/55

एसआरएचयू में गुड किलनिकल प्रैक्टिस एंड एथिक्स पर कार्यशाला का शुभारंभ

- राजेश शर्मा

ब्रिफिंग : डोर्मिटोरी हिमालयन इंस्टीट्यूट ऑफ मेडिकल साइंसेज जीलीग्रांट में गुड किलनिकल प्रैक्टिस एंड एथिक्स पर पांच सप्ताह का प्रशिक्षण कार्यक्रम शुरू हो गया है। जिसका द्वितीय उत्तराखण्ड के चिकित्सा संस्थानों में संकाय सदस्यों और अनुसंधान नीतिकाल समितियों की नीतिक क्षमता को मजबूत करना है एसआरएचयू के हिमालयन इंस्टीट्यूट ऑफ मेडिकल साइंसेज एवं स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवर्तनकारी विभागों को और से इस प्रशिक्षण कार्यक्रम का आयोजन किया जा रहा है।

दूसरी रुपय सभागार में आयोजित कार्यशाला का शुभारंभ मुख्य अधिकारी



एन्ड्रेज आईएलओएमडी, आईसीएमआर से डॉ. राजेन्द्र डोभाल ने किया। उन्होंने प्रतिभागियों से कार्यशाला में सहीखे गये ज्ञान को व्यवहारिकता में लाने की चाहत कही। इस दौरान मुख्य वक्ता डॉ. विकास धोमन, डॉ. अभियंक लालार्या, डॉ. मोहिनी

बहल, डॉ. पूजा नायापाल ने प्रतिभागियों को अनुसूचित नीतिकाल के मौलिक सिद्धांत, नीतिकाल समितियों की भूमिका और जिम्मेदारीयों जैसे पैकी, यानको का कार्यविनाशन, नीतिक परीक्षण में नीतिक निर्णय लेना और द्वितीयों का प्रबंधन के विषय में विद्यार्थ से जानकारी दी। डॉ. निष्ठा यादव ने बताया कि उत्तराखण्ड के चार मेडिकल कॉलेज से 121 प्रतिभागी इस कार्यशाला में शामिल हुए। इस अवसर पर डॉन मेडिकल कॉलेज लैंग, डॉ. दलजीत सिंह, मालानिदेशक शीक्षणिक विकास लैंग, विजेन्द्र चौहान, डॉ. विनोद देव, डॉ. प्रदीप काम्हिय, डॉ. योगेन्द्र रिश्व, डॉ. निष्ठा यादव, डॉ. रुचि जुलाल, डॉ. मनोज शर्मा, अधिनव, अधिकारी, जागृति, पूजा आदि उपस्थित थे।

SWAMI RAMA HIMALAYAN UNIVERSITY

INTERNATIONAL CLINICAL TRIALS DAY 2025



**Theme: Rethinking Clinical
Trials: Inclusivity in Practice.**

**20 May 2025,
Tuesday**

**Venue: Department of
Clinical Research**



EVENTS / HIGHLIGHTS

Celebration of International Clinical Trials Day 2025

Introduction: International Clinical Trials Day is celebrated globally on May 20th every year to commemorate the day when James Lind conducted the first randomized clinical trial in 1747. It highlights the importance of clinical research in advancing medical knowledge and improving patient care. This year, our institution proudly joined in this celebration by organizing a series of informative and interactive events aimed at raising awareness about the significance of clinical trials and promoting engagement in the field of clinical research.

Event Highlights:

Event 1: Poster Gallery Visit

Time: 10 AM-11 AM

Venue: The Department of Clinical Research

Panel of Judges:

- Dr. Taruna Sharma, HOD, Department of Pharmacology
- Dr. Kiran Bhat, Vice Principal, UG and Allied Health Programme
- Dr. AK Srivastava, HOD, Community Medicine
- Dr. Abha Srivastava, HOD, Department of Physiology
- Dr. Ruchi Juyal, Professor, Community Medicine
- Dr. Barnali Kakati, Vice Principal, PG Allied Health Programme



GLIMPSES OF EVENT

"The students are sharing knowledge about decentralized trials through a poster presentation."



"Group photo following the successful completion of the event."

No. of Participants: 17

The celebration commenced with a Poster Gallery Visit, featuring a collection of posters thoughtfully created by students. The event concluded with a prize distribution ceremony, during which the Principal of HIMS, Lt. Gen. Daljeet Singh, awarded the prize for the best poster presentation to Dev Saini and Sneha Pandey for their insightful exploration of the topic Basket versus Umbrella Trials.

Event 2: Guest Lecture – Clinical Research Awareness and career path in India

Time: 12:00 PM – 1:30 PM

Venue: Sushruta LT-II

Organized by: Department of Clinical Research, HIMS, SRHU

No. of Participants: 101

The highlight of the celebration was a guest lecture by Dr.Taruna Sharma, HOD, Department of Pharmacology, who delivered an engaging talk titled "Fundamentals of Clinical Research" and in the second lecture Dr. Nikku Tadav, Incharge, Department of Clinical Research presented an engaging and informative session titled "Career opportunities in Clinical Research", offering valuable insights into the core principles and practices of clinical research.

The lecture covered:

- Basic principles of clinical research
- Study design and methodologies
- Career opportunities in clinical research
- The growing importance of translational medicine
- Regulatory landscape and GCP (Good Clinical Practice)

The session concluded with a Q&A round where participants clarified doubts and discussed real-world challenges in clinical trials. Feedback from attendees reflected a high level of interest and appreciation for the depth and relevance of the content delivered.

Glimpses of the event



An informative session on the Clinical Research by Dr. Nikku Yadav."



"Dr. Nikku Yadav shares valuable knowledge about the Clinical Research"

Event 3: Virtual Meet – “Unlocking career opportunities in Medical Writing”

Time: 02:30 PM – 03:30 PM

Platform: Zoom

Organized by: ISCR-ICTD

No. Of participants: 9

The day concluded with a virtual session on “Unlocking career opportunities in Medical Writing” conducted by ISCR-ICTD. The session was well-attended by students and budding researchers from across departments.

Topics discussed included:

- Overview of medical writing
- Types of documents (clinical study reports, manuscripts, regulatory documents, etc.)
- Skills and qualifications needed
- Career prospects in medical writing
- Tips for getting started in the field

Participants appreciated the practical tips and clarity provided on how to pursue a career in medical writing. A resource guide and sample documents were also shared with attendees for further reference.

Conclusion

The celebration of International Clinical Trials Day 2025 was a resounding success, drawing enthusiastic participation from students, faculty, and research professionals. The combination of visual engagement through the poster gallery, expert insights during the guest lecture, and career-focused virtual meet created a well-rounded and educational experience. The event not only honored the legacy of clinical trials but also inspired the next generation of researchers and healthcare professionals to contribute to the field.



"An online session dedicated to exploring the field of medical writing."



"The students are engaged in a valuable learning session."



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Data to Discovery

**International symposium on
Biology and Medicine in AI era
with hands-on workshop on
data mining, statistics and
AI ML tools in Biomedicine.**

Powered by

**The Department of Community Medicine,
The Department of Clinical Research
and Cancer Research Institute in
association with IntelligentOMIX UK
and UTAR Malaysia.**

18-20 February 2025

Patron: Dr. Vijay Dhasmana, President SRHU

**Advisors: Prof. VS Chauhan MS, AO Fellow, DG Academics SRHU and
Prof. Sunil K Saini MS FUICC, Director CRI HIMS SRHU**

**Convenors: Prof. Asha Chandola Saklani FASc, Community Medicine HIMS,
Prof. Graham Roy Ball FRS, NTU UK (Visiting Professor SRHU) and
Prof. Jayanti Semwal Dept Community Medicine HIMS SRHU**

Vice Patron: Prof. Rajendra Dobhal, FNASC, VC, SRHU

Chairman: Prof. AK Deorari, MD FAMS, Principal, HIMS, SRHU

Organizing Secretary: Prof. AK Srivastava MD, HOD Community Medicine, HIMS

**Joint Secretaries: Dr. Neha Sharma MD, Dept. of Community Medicine, HIMS
and Dr. Nikku Yadav, Department of Clinical Research, HIMS**



Report on International Symposium on Biology and Medicine in AI Era with Hands-on workshop on Datamining, Statistics and AI ML tools in Biomedicine

Topic: International Symposium on Biology and Medicine in AI Era with Hands-on workshop on Datamining, Statistics and AI ML tools in Biomedicine

Date: 18-20 February, 2025

Venue: Adi Kailash Auditorium

Organized By: Department of Community Medicine, Department of Clinical Research and CRI HIMS SRHU; In association with IntelligentOMIX Ltd NTU, UK and UTAR Malaysia

Speakers:

- Asha Chandola Saklani from SRHU
- Dong Ling Tong from UTAR MY
- Dono Widiatmoko from Derby University UK
- Alan J Stewart from St. Andrews University, UK
- RC Ramola
- LR Dangwal
- NK Agarwal from SRT Campus HNBGU, Badshaithaul Chamba
- Dr. Judith Steen from Harvard Medical School, USA
- Dr. Bipin Chandra Pathak from MBPG Government College, Haldwani, Uttrakhand
- Dr. Kaushik Sharma from Department of Neurology, SRHU
- Prof. Sanjeev Srivastava IITB, Mumbai
- Prof Graham R Ball from Intelligent OMIX Ltd, UK
- Prof Sunil Saini, Cancer Research Institute, SRHU
- Prof Ramesh NK Bamezai from Dean Life Sciences JNU, Delhi
- Prof Arun Wiita from HD Family Comprehensive Cancer Centre, University of California, San Fransisco USA
- Prof Joshua LaBaer from Centre for Biodesign, Arizona State University, USA
- Dr. Avriti Baveja from Cancer research Institute, HIMS, SRHU
- Dr. Ankit Batra from Cancer Research Institute, HIMS, SRHU
- Dr. Mansi Kala, from Department of Pathology, SRHU
- Dr. Gaurav Kumar, from HSBS, SRHU
- Prof Stephen Pennington from University of Dublin, Ireland
- Dr. Gokul Krishnan from NIMHANS, Bangalore
- Prof Sanjiv Dhingra from University of Manitoba, Canada
- Dr. CM Belwal from Department of Cardiology, SRHU
- Dr. Kunal Gururani from Department of Cardiology, SRHU
- Dr. Rashmi Jindal, Department of Dermatology, SRHU

- Prof. Vivek Kumar from HSBS, SRHU
- Prof. Dinesh K Sharma from HNBGU, SRT Campus, Badshaithaul Chamba
- Prof Maneesha Singh from Department of Botany, SGRRU, Dehradun
- Dr. Rachel Aleji Bolatito from Deptt of Plant Breeding and Genetics, Federal University of Minna, Nigeria
- Dr Ayode Adedolapo from Deptt of Zoology, University of Ibadan, Nigeria
- Dr. Manisha Saraswat from Government PG college, Karnaprayag, Chamoli.
- No. of Participants: 200
- Introduction
- Epidemiology and Health Data Science Centre, the Department of Community Medicine and The Department of Clinical Research and CRI HIMS SRHU; In association with INtelligentOMIX Ltd NTU, UK and UTAR Malaysia at Swami Ram Himalayan University organized an International Symposium on Biology and Medicine in AI Era with Hands-on workshop on “Datamining, Statistics and AI ML tools in Biomedicine” was organized to provide insights into the latest advancements and applications of these technologies in the healthcare sector. The session aimed to educate students, researchers, and professionals on the integration of data-driven approaches in biomedical research and healthcare decision-making.
- Objective of the Lecture:
- Understand the Fundamentals – Gain insights into the core principles of data mining, statistical analysis, and AI/ML techniques relevant to biomedicine.
- Explore Biomedical Data Processing – Learn about data collection, preprocessing, and feature extraction methods used in biomedical research and healthcare.
- Analyze the Role of Statistics – Understand how statistical models and techniques contribute to data-driven decision-making in biomedicine.
- Discover AI/ML Applications in Healthcare – Examine how machine learning and artificial intelligence are applied to disease prediction, drug discovery, medical imaging, and personalized medicine.
- Identify Challenges and Ethical Considerations – Discuss challenges such as data privacy, bias in AI models, and ethical concerns in biomedical AI applications.
- Explore Future Trends – Gain insights into emerging trends, innovations, and potential advancements in AI/ML for biomedical research and clinical practice.
- Encourage Critical Thinking and Discussion – Engage in discussions on the impact, limitations, and real-world implications of data-driven approaches in biomedicine

Hands on Workshop:

Day 1

18 February 2025: The program commenced on February 18th with a field visit to Badshahithaul, Chamba, Tehri Garhwal, followed by an engaging brainstorming session on AI and data mining applications for health and Himalayan natural resources where it was discussed how AI and data mining assist in monitoring biodiversity, predicting climate change impacts, and managing water resources. Remote sensing and satellite imagery, combined with AI, help track deforestation, glacier melting, and ecological balance, ensuring sustainable development and conservation efforts in the fragile Himalayan ecosystem. This was followed by a Workshop on Data mining and Statistical Techniques which focused on extracting meaningful patterns and insights from large datasets. Statistical techniques, including regression analysis, hypothesis testing, Bayesian inference, and principal component analysis (PCA), that help in data interpretation, decision-making, and predictive modeling.

Day 2

19 February 2025: Day 2 of the Workshop focused on Statistical and AI ML tools that are crucial for analyzing complex data, making predictions, and automating decision-making. Statistical tools like SPSS, SAS, and R help with hypothesis testing, regression analysis, and data visualization. AI/ML tools, including TensorFlow, PyTorch, and Scikit-learn, enable deep learning, pattern recognition, and predictive analytics. These tools are widely used in fields like healthcare, finance, and environmental science to uncover insights, optimize processes, and drive innovation through data-driven approaches.

Day 3

20 February 2025: On Day 3, the symposium commenced with the theme "Biology and Medicine in the AI Era." The event featured a panel discussion covering four key topics:

Panel Discussion 1 on Epidemiology: Neuroscience and Behaviour, moderated by Dr. Judith Steen- Epidemiology in neuroscience and behavior focuses on studying the distribution and determinants of neurological and mental health disorders in populations. It explores risk factors, genetic influences, and environmental triggers affecting brain function and behavior. By using statistical analysis, AI-driven predictive models, and large-scale cohort studies, researchers identify patterns in conditions like Alzheimer's, depression, and anxiety. This field plays a crucial role in public health by informing prevention strategies, improving early diagnosis, and guiding

Panel Discussion 2 on Multi-omics and AI in disease detection, moderated by Prof Sanjeeva Srivastava – Multi-omics integrates various biological data layers—such as genomics, proteomics, metabolomics, and transcriptomics—to provide a comprehensive understanding of diseases. AI enhances multi-omics analysis by identifying complex patterns, predicting disease biomarkers, and enabling early detection of conditions like cancer and neurodegenerative disorders. Machine learning models process vast omics datasets to uncover hidden correlations, leading to personalized medicine and targeted therapies. This combination of AI and multi-omics is revolutionizing precision healthcare, offering faster and more accurate diagnostics.

Panel Discussion 3 on Multi-omics and AI in health and disease, moderated by Prof Arun Witta – Multi-omics and AI are transforming healthcare by integrating genomics, proteomics, metabolomics, and other biological data to understand health and disease at a systems level. AI-driven analytics identify complex biomolecular interactions, enabling early disease detection, precision medicine, and targeted therapies. In conditions like cancer, cardiovascular diseases, and neurological disorders, AI-powered multi-omics approaches help discover novel biomarkers, predict patient outcomes, and personalize treatment strategies. This synergy enhances disease prevention, accelerates drug discovery, and improves overall patient care.

Panel Discussion 4 on Environment, Agriculture and Fisheries Database moderated by Prof Graham R Ball and Prof Chandra Shekhar Nautiyal – Environment, agriculture, and fisheries databases play a crucial role in monitoring and managing natural resources, food security, and biodiversity. These databases store vast amounts of data on climate patterns, soil health, crop yields, fish populations, and ecosystem changes. AI and data mining techniques help analyze this data to optimize agricultural practices, predict environmental risks, and ensure sustainable fisheries management. By leveraging these databases, researchers and policymakers can make data-driven decisions to enhance productivity, conserve biodiversity, and mitigate climate change impacts.

Key Takeaways

1. Introduction to Data Mining in Biomedicine

The speaker highlighted the significance of data mining techniques in extracting useful patterns and knowledge from large biomedical datasets. Commonly used techniques such as clustering, classification, and association rule mining were discussed, along with their applications in disease prediction, drug discovery and genomics.

2. Statistical Methods for Biomedical Data Analysis

The lecture covered various statistical methods essential for analyzing biomedical data. Topics included hypothesis testing, regression analysis, Bayesian methods, and survival analysis. Real-world examples of statistical applications in clinical trials and epidemiological studies were provided.

3. AI and Machine Learning in Biomedicine

The speaker elaborated on the role of artificial intelligence (AI) and machine learning (ML) in transforming biomedicine. Key ML algorithms such as deep learning, support vector machines, and random forests were discussed. Applications in medical imaging, personalized medicine, and electronic health record analysis were showcased.

Conclusion: The lecture concluded with an interactive Q&A session where participants engaged with the speaker on various challenges and future prospects of AI/ML in biomedicine. Ethical considerations, data privacy, and the need for interdisciplinary collaboration were emphasized as crucial aspects of this evolving field.

The session ended with a vote of thanks by the Head of the Department, Community Medicines Prof. Ashok Kumar Srivastava and Prof. Asha Chandola Saklani expressing gratitude to the distinguished speakers for sharing their expertise and enlightening the students and faculty members.

Glimpses of event



"Honoring the Voices of Inspiration 🎤🌟 Grateful to our esteemed guest speakers for sharing their wisdom, insights, and experience. Your presence made the event truly impactful."



"Celebrating Success Together! 🌟 A heartfelt thank you to all the incredible participants for making this event a memorable one. Here's to teamwork, dedication, and new beginnings!"

EVENTS / HIGHLIGHTS

Report on Training Workshop on Bioethics, Sponsored by Department of Health Research, Ministry of Health and Family Welfare (MoHFW)

Date: 6 Jan 2025–7 Jan 2025

Venue: B.C Roy, HIMS

No. of Participants: 122

Introduction: The Department of Clinical Research at the Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, launched a five-week training program from January 6 to January 7, 2025, sponsored by the Department of Health Research, Ministry of Health and Family Welfare (MoHFW). As part of this initiative, a two-day workshop titled "Training Workshop on Bioethics" was held on January 6–7, 2025, in collaboration with the ICMR Bioethics Unit, Bengaluru. This sensitization program was designed to enhance the ethical competencies of faculty and Ethics Committees in Uttarakhand.

We invited ethical committee members of all medical college in Uttarakhand for participation. The workshop was inaugurated by distinguished dignitaries, including Dr. Kiran Katoch from NJILOMD, ICMR, as Chief Guest; Dr. Rajendra Dobal, Vice-Chancellor, SRHU; Dr. Vijendra Devisingh Chauhan, Director General (Academic & Development), SRHU; Dr. Ashok Kumar Deorari, Principal, HIMS, and Organizing Chairperson; Dr. Bindu Dey, Director of Research, SRHU, and Organizing Chairperson; Dr. Roli Mathur, Scientist G and Head, ICMR Bioethics Unit, Bengaluru; and Dr. Nikku Yadav, Organizing Secretary and Head, Department of Clinical Research, HIMS.

The workshop focused on promoting adherence to ethical standards and Good Clinical Practices (GCP) in clinical research through expert-led sessions, interactive discussions, and practical exercises. Key topics included the principles of research ethics, roles and responsibilities of Ethics Committees, application of GCP guidelines, and strategies for addressing ethical dilemmas. The event was attended by 122 participants, including faculty members and Ethics Committee representatives from five reputed medical colleges in Uttarakhand: AIIMS Rishikesh, Doon Medical College, Graphic Era Medical College, Government Medical College Haridwar, and Himalayan Institute of Medical Sciences.

Glimpses of the event



Lamp lighting ceremony graced by the Honourable Vice Chancellor, marking an auspicious beginning to the event.

All guests presenting souvenirs as a gesture of appreciation during the workshop ceremony.



Honourable Vice Chancellor presenting a token of appreciation to Dr. Roli Mathur for her exemplary contributions

Press Media

04

ट्रेनिंग टाइपर सिजर्व में बाध ने किया अभिक कविकार

11 कमिस के शिविरस द्वारी में खेलने पर संताय

सत्य के संग, असत्य से जंग

हिंदा ज्ञान ने कैसर से अप

एसआरएचयू में बायोएथिक्स पर कार्यशाला आयोजित

प्रशिक्षण

- उत्तराखण्ड के चार मेडिकल कॉलेज से शामिल हुए
100 प्रतिभागी

शोईवला, लौकरात्म

स्वामी राम हिमालयन विश्वविद्यालय (एसआरएचयू) जौलीग्रांट में बायोएथिक्स पर पांच सप्ताह का प्रशिक्षण कार्यक्रम शुरू हो गया है।

उत्तराखण्ड में नैतिक अनुसंधान प्रयोजों को बढ़ाना इस कार्यक्रम का उद्देश्य है। विमालयन इंस्टीट्यूट ऑफ मेडिकल साइंसेज के विशिनिकल रिसर्च विभाग, स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार कल्याण मंत्रालय (एमओएक्सीएचडब्ल्यू) की ओर से इस प्रशिक्षण कार्यक्रम का आयोजन किया



जा रहा है। कार्यशाला का उद्घाटन मुख्य अतिथि एनजेआईएलओएमडी, आईसीएमआर से डा. किरन कर्णेता और एसआरएचयू के कुलपति डा. राजेन्द्र डोभाल ने किया। डा. किरन कर्णेता प्रशिक्षण की शुरुआत करते हुए, शैक्षणिक और व्यावहारिक उक्तकाला को बहाला देने की एसआरएचयू की प्रतिवर्द्धकों को दीक्षारता है। नैतिक सेमिनार का आयोजन विश्वविद्यालय के रूप में, एसआरएचयू उत्तराखण्ड के फहरे

राजेन्द्र डोभाल ने कहा कि यह पहला बायोएथिक्स के माध्यम से स्वास्थ्य संबंधी चुनौतियों का समाधान करते हुए, शैक्षणिक और व्यावहारिक उक्तकाला को बहाला देने की एसआरएचयू की प्रतिवर्द्धकों को दीक्षारता है। नैतिक सेमिनार का आयोजन विश्वविद्यालय के रूप में, एसआरएचयू उत्तराखण्ड के फहरे

एक एसीएल-सेवद्वात प्रात शिख्ना असाधारण के रूप में आज शिख, स्वास्थ्य देखनात और छायीन विकास की अवधारणा पर आगे बढ़ रहा। व्यावहारिक में विशेषज्ञों ने प्रतिभागियों से परस्पर संवेद के साथ ही व्यावहारिक अभ्यास भी कराया।

इस दैनिक अनुसंधान नैतिक सिद्धांतों, नैतिक समितियों की भूमिकाएं, और जिम्मेदारियां, अच्छे नैदानिक अभ्यास (जीसीटी) दिशानिर्देश, और नैतिक शैक्षणिकों द्वारा प्रमुख विषयों की विस्तृत संवादहारी दी गयी। कार्यशाला में उत्तराखण्ड के चार मेडिकल कॉलेजों से 100 प्रतिभागियों शामिल हुए। इन अभ्यास पर महाविद्यालय (शैक्षणिक विभाग) डा. विजेन्द्र पौडेल, प्रधार्य एनजेआईएमडी डा. अरोन कुमार देवरामी, अनुसंधान निदानक डा. रिंद हे, आईसीएमआर भूष्ण बंगलुरु डा. गोत्ती माधुर उपस्थित थे।



सीखे हुए ज्ञान को व्यावहारिकता में लाना जरूरी: डा. कटोच

संवाद सहयोगी जागरण • डोईवाला: स्वामी राम हिमालयन विश्वविद्यालय जौलीग्रांट में बायोएथिक्स पर पांच सप्ताह का प्रशिक्षण कार्यक्रम शुरू हो गया है। उत्तराखण्ड में नैतिक अनुसंधान प्रथाओं को बढ़ाना देना इस कार्यक्रम का उद्देश्य है।

हिमालयन इंस्टीट्यूट आप मेडिकल साइंसेज के क्लिनिकल रिसर्च विभाग, स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार कल्याण मंत्रालय की ओर से इस प्रशिक्षण कार्यक्रम का आयोजन किया जा रहा है। कार्यशाला का उद्घाटन मुख्य अतिथि एनजेआईएलओएमडी, आईसीएमआर से डा. किरन कर्णेता और एसआरएचयू के कुलपति डा. राजेन्द्र डोभाल ने किया। डा. किरन कर्णेता ने प्रतिभागियों से कहा कि कार्यशाला में सीखे ज्ञान को व्यावहारिकता में लाना जरूरी है। एसआरएचयू के कुलपति डा. राजेन्द्र डोभाल ने कहा कि यह पहल

- एसआरएचयू में बायोएथिक्स पर प्रशिक्षण शुरू
- प्रतिभागियों से संवाद के साथ व्यावहारिक अभ्यास भी कराया

बायोएथिक्स के माध्यम से स्वास्थ्य संबंधी चुनौतियों का समाधान करते हुए शैक्षणिक और व्यावसायिक उक्तकृष्टता को दोहराता है। कार्यशाला में विशेषज्ञों ने प्रतिभागियों से परस्पर संवाद के साथ ही व्यावहारिक अभ्यास भी कराया। इस दौरान अनुसंधान नैतिकता सिद्धांतों, नैतिकता समितियों की भूमिकाएं और जिम्मेदारियां, अच्छे नैदानिक अभ्यास दिशानिर्देश और नैतिक दुविधाओं जैसे प्रमुख विषयों की विस्तृत से जानकारी दी। कार्यशाला में उत्तराखण्ड के चार मेडिकल कालेजों से 100 प्रतिभागी शामिल हुए।



स्वामी राम हिमालयन विश्वविद्यालय Swami Rama Himalayan University

International Clinical Trials Day (ICTD) 2024

Theme: Data Centric Clinical Research

One day Workshop on Good Clinical Practice (GCP)

Venue:
BC Roy, Himalayan Institute
of Medical Sciences

20th May 2024,
Monday

Speakers

Prof Narendra Kumar Arora
Executive Director of
The INCLEN Trust International

Dr Sanjay Gupta
Director-Clinical Operations
Catalyst Clinical Services Pvt. Ltd, New Delhi

Prof Dilip Chander Dhasmana
Swami Rama Himalayan University

Organized by

Clinical Trial Centre, Swami Rama Himalayan University

Sponsored by

**Swami Rama Himalayan University,
National Academy of Sciences,
Somaya Research and Health Services**

Organizing Team



Chief Patron

Dr Rajendra Dobhal
Vice Chancellor
Swami Rama Himalayan University
Jollygrant, Dehradun, Uttarakhand

Patron

Dr Vijendra Devi Singh Chauhan
Director General Academics and
Development,
Swami Rama Himalayan University
Jollygrant, Dehradun, Uttarakhand



Convenor

Dr. Bindu Dey
Chairperson Clinical Trial Committee
Director, Research & Development Cell,
Swami Rama Himalayan University,
Jollygrant, Dehradun



Co-Convenor

Dr Ashok Kumar Deorari
Principal HIMS,
Swami Rama Himalayan University,
Jollygrant, Dehradun, Uttarakhand



Organizing Secretary

Dr. Nikku Yadav
Coordinator Clinical Trial Centre
Assistant Professor
Swami Rama Himalayan University,
Jollygrant, Dehradun

Objective:

The primary objective of this workshop is to provide participants with a comprehensive understanding of Good Clinical Practice (GCP) guidelines and regulations. Through interactive sessions, case studies, and practical exercises, participants will gain the knowledge and skills necessary to conduct clinical trials ethically, responsibly, and in compliance with regulatory requirements.

Highlights of Workshop

- **Introduction to Clinical Research:** An overview of the clinical research process, including the phases of clinical trials, regulatory requirements, and the importance of GCP in ensuring the integrity of research data.
- **Ethical Principles in Clinical Research:** Discussion of the ethical principles outlined in documents such as the Declaration of Helsinki and the Belmont Report, with a focus on protecting the rights and well-being of research participants.
- **Regulatory Framework:** Overview of the regulatory requirements governing clinical research, including the roles and responsibilities of regulatory authorities such as the FDA (in the United States) or the EMA (in Europe).
- **Informed Consent Process:** Detailed explanation of the informed consent process, including the elements of informed consent, obtaining consent from participants, and ensuring comprehension and voluntariness.
- **Protocol Compliance:** Importance of adhering to the study protocol, including protocol deviations, amendments, and documentation requirements.
- **Data Management:** Best practices for data collection, handling, and storage to ensure data integrity and traceability throughout the trial.
- **Safety Reporting:** Procedures for monitoring and reporting adverse events and serious adverse events during the trial, including the role of the Data Safety Monitoring Board (DSMB) or the Clinical Events Committee (CEC).
- **Quality Assurance:** Importance of quality assurance measures in clinical research, including the development of standard operating procedures (SOPs) and the implementation of quality control processes.
- **Role of Investigator and Sponsor:** Responsibilities of investigators and sponsors in conducting clinical trials, including site selection, study conduct, and reporting of results.

Recent Developments and Updates: Discussion of recent developments, trends, and updates in the field of clinical research, including changes in regulations, guidelines, and best practices.

EVENTS / HIGHLIGHTS

Name of activity: Celebration of Clinical Trials Day 2024 with Good Clinical Practice Workshop

Date: 20 May 2024

Facilitator: Dr. Nikku Yadav

Venue: BC Roy, Himalayan Institute of Medical Sciences

No. of Participants: 95

Objective: The primary objective of the lecture was to highlight the importance of clinical trials in new drug discovery and development and significance of Good Clinical Practice in Clinical Research.

Date: May 20, 2024

On May 20, 2024, the global healthcare community came together to mark International Clinical Trials Day at Swami Rama Himalayan university, a momentous occasion celebrating the pivotal role of clinical research in shaping the future of healthcare. Amidst the festivities, a special workshop on Good Clinical Practice (GCP) was conducted, underscoring the commitment to upholding ethical standards and ensuring the integrity of clinical trials.

Key Highlights of the Celebration:

On May 21, 2024, as part of the global observance of Clinical Trials Day, a distinguished workshop on Good Clinical Practice (GCP) was organized by Dr Bindu Dey Chairperson Clinical Trial Committee SRHU and Dr Nikku Yadav Coordinator Clinical Trial Centre SRHU, spotlighting key principles and best practices essential for maintaining the integrity and ethical conduct of clinical research. Led by esteemed speakers Dr. NK Arora, Executive Director Incline Trust International, Mr Sanjay Gupta, M/s Catalyst Clinical Services Pvt. Ltd., Delhi and Prof. DC Dhasmana, Department of Pharmacology SRHU the workshop provided attendees with invaluable insights into implementing GCP in clinical trials.

Dr. NK Arora, a leading authority in the field of clinical research, delivered a compelling presentation on the key principles of Good Clinical Practice. Emphasizing the importance of ethical conduct, patient safety, and data integrity, Dr. Arora underscored the fundamental principles that serve as the bedrock of GCP compliance.

The inaugural session of Clinical Trials Day 2024 commenced with an enlightening discourse on the significance of clinical trials and the paramount importance of patient safety. Led by esteemed speakers Dr. Ashok Kumar Deorari Principal Himalayan Institute of Medical Sciences and Dr. Hemchandra Director Medical Services, Himalayan Hospital the session set the stage for a day of reflection, collaboration, and innovation in the field of clinical research.

Dr. Ashok Kumar Deorari, a renowned expert in neonatology and clinical research, delivered a poignant address on the importance of clinical trials in advancing medical knowledge and improving patient care. Dr. Deorari underscored the critical role of rigorous scientific inquiry in evaluating new therapies, interventions, and medical technologies, emphasizing the indispensable contribution of clinical trials to evidence-based medicine.

Dr. Hemchandra, a distinguished clinician and patient safety advocate, elucidated the principles and practices essential for safeguarding the well-being of research participants in clinical trials. Drawing from his extensive experience in healthcare quality improvement, Dr. Hemchandra emphasized the ethical imperative of prioritizing patient safety at every stage of the clinical trial process, from protocol development to post-market surveillance.

Mr. Sanjay Gupta, shared practical insights into implementing GCP standards in clinical research. Drawing from his wealth of expertise, Mr. Gupta elucidated strategies for ensuring protocol adherence, regulatory compliance, and quality assurance throughout the trial lifecycle.

Prof. DC Dhasmana, a distinguished academic and researcher, provided a comprehensive snapshot of Good Clinical Practice, offering attendees a nuanced understanding of its core tenets and application in real-world scenarios. Prof. Dhasmana's presentation encompassed a wide range of topics, from risk management to informed consent, highlighting the multifaceted nature of GCP compliance.

Dr. Deorari and Dr. Hemchandra candidly addressed the challenges and opportunities facing the clinical research community, including issues related to patient recruitment, data quality, regulatory compliance, and access to innovative therapies. They called for collaborative efforts among stakeholders to address these challenges and harness emerging technologies and methodologies to enhance the efficiency and effectiveness of clinical trials.

In the valedictory session, Dr Dobhal Honourable Vice Chancellor Swami Rama Himalayan University and Prof Vijendra D Chauhan, Director General Academics and Development SRHU were joined. Dr Dobhal and Prof Vijendra D Chauhan awarded the Certificates of the appreciation to the Clinicians who were working hard in conducting clinical trials namely Dr SK Verma, Dr Kunal Gururani, Dr Ankit Batra, Dr AVRITI Bhaveja and Dr Akash Rawat. Dr Dobhal said as we gather to reflect on the mission and vision of clinical trials at SRHU. As we commemorate Clinical Trials Day, it is essential to reaffirm our commitment to advancing medical science and improving patient care through rigorous and ethical clinical research.

At SRHU, our mission in the realm of clinical trials is clear and resolute: to conduct research that translates scientific discoveries into tangible benefits for patients and communities. We are dedicated to fostering a culture of innovation, collaboration, and excellence in clinical research, with a steadfast commitment to upholding the highest ethical standards and ensuring the safety and well-being of research participants.

Our mission extends beyond the confines of our academic institution; it is imbued with a sense of social responsibility and a dedication to addressing unmet medical needs and healthcare disparities. Through our research endeavours, we aspire to make meaningful contributions to the advancement of medical knowledge, the development of novel therapies, and the promotion of health equity for all. Our vision for clinical trials at SRHU is one of leadership, impact, and inclusivity. We envision a future where our research initiatives serve as catalysts for transformative change in healthcare delivery and outcomes, both locally and globally. We strive to be at the forefront of innovation, leveraging cutting-edge technologies and methodologies to accelerate the pace of discovery and bring promising treatments to patients in need.

We aim to nurture the next generation of clinical researchers, empowering them with the knowledge, skills, and ethical principles necessary to navigate the complexities of the research landscape with integrity and compassion.

Furthermore, we are committed to fostering partnerships and collaborations with stakeholders across academia, industry, government, and civil society to amplify the impact of our research efforts and address pressing health challenges collaboratively. By harnessing the collective expertise and resources of diverse stakeholders, we believe we can achieve far greater outcomes than we could alone. Dr Bindu Dey said that workshop featured interactive learning sessions designed to engage participants and foster meaningful discussions. Topics ranged from protocol adherence and regulatory compliance to risk management and quality assurance, empowering attendees with practical knowledge and tools to excel in their roles within the clinical research ecosystem.

Dr Nikku Yadav said that all participants including students of MSc Clinical Research had the opportunity to network with peers, mentors, and industry professionals, facilitating knowledge exchange and collaboration. The workshop served as a platform for fostering connections and building relationships across diverse sectors of the clinical research community.

Following each presentation, interactive discussions and Q&A sessions provided participants with the opportunity to engage directly with the speakers, seek clarification on complex topics, and share their own perspectives and experiences. The lively exchange of ideas fostered a dynamic learning environment and enriched the workshop experience for all attendees. Approximately 90 participants were present including PG students, Clinicians, and faculty members of HIMS, HSBS and Somaya Research and Health Service delegate. Dr Sanchita HCN Principal, Dr Sanjay Gupta HSBS Principal, Prof Asha Chandola-Saklani, Dr Nupur Joshi, Dr Vikash Jadon, Dr Geeta Bhandar, Dr Taruna Sharma HOD Pharmacology, Dr AK Srivastava HOD Community Medicine, Dr Ruchi, Dr Deep Shika, Mr Abhinav Bahuguna, Dr Abha Srivastava HOD Physiology, Dr Deepa Singh HOD Anatomy, Dr Aksh Dubey, Dr Nupur Joshi, Dr Vikash Jadon, Dr Geeta Bhandari and Dr Rajeev Bijalwan Deputy Director Health RDI were present.

Glimpse of Event



Msc Clinical Research Students Starting the function with warm welcome



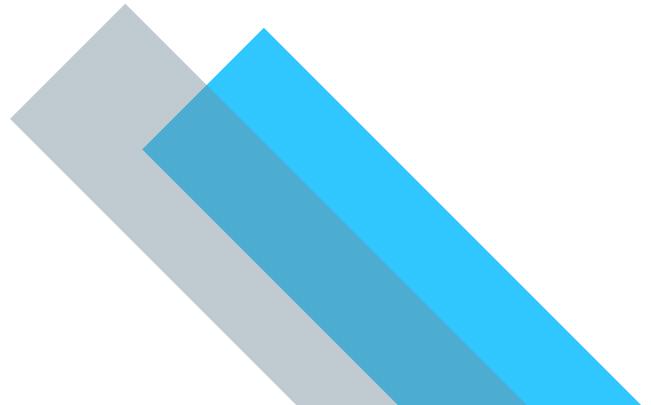
Honorable Vice Chancellor Addressing the audience

Certificate





RESEARCH ACHIEVEMENTS





UTTARAKHAND INNOVATION FESTIVAL 2024

Business Idea Award

is presented to

CLINICAL TRIAL CENTRE

*at the **Uttarakhand Innovation Festival 2024***

held on

13-14 December, 2024

at

Swami Rama Himalayan University, Dehradun

Dr Amjad Husain
Organizing Chairperson

Dr Mukesh Bijalwan
Registrar, SRHU



Award received by Nikku Yadav for businesss idea (Clinical Trial Centre)

STATUS, CHALLENGES, AND OPPORTUNITIES AMONG ASHA'S IN PAURI DISTRICT IN UTTARAKHAND

Rajeev Bijalwan¹, Nikku Yadav^{2*}

¹Deputy Director, Rural Development Institute, Himalayan Institute Hospital Trust, Swami Ram Nagar Dehradun

²Assistant Professor, Clinical Research, Department of Community Medicine, Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Dehradun.

Abstract

ASHA, the grass root level specialist is an extension among populace and wellbeing (Healthcare system). The objective of this work is to determine the difficulties and obstacles looked by ASHA during their hands on work in rustic area of region Pauri district in Uttarakhand. The cross-sectional study took place in the Bahadarpur block of Haridwar district. ASHA workers with more than six months of active field experience prior to the survey start date were included. Interviews were conducted in person using a pre-structured, pretested checklist. Verbal assent was collected both from ASHA's and recipients. At the hour of the review of every one of the 133 ASHA's were enlisted in the block Bahadarpur block and subsequent to applying consideration and prohibition rules, 28 ASHA's were seen as qualified for the review. Data resulted that many ASHA's are dissatisfied by their incentives and were interested in learning more skills in the health field. 50% of the ASHA's in our study sample scored under 48 % in their understanding evaluation. Different bury related factors influences work execution of ASHA's in field. Monetary impetuses, self-identity and working for society were inspiration for joining this calling. In any case, deferred and deficient instalment, overburden of work, unfortunate vehicle, and struggle among ICDS and Wellbeing staff were normal difficulties. Additionally, the fundamental information to play out their responsibilities actually requires more hands-on training with regular Monitoring and supervision.

Key words: ASHA, Challenges, Work Performance, Fieldwork, Health Workers.



*Analysing the Effects of Neuro-dynamics in Carpal Tunnel Syndrome in Pain and Disability:
A Randomized Control Trial*
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Analysing the Effects of Neuro-dynamics in Carpal Tunnel Syndrome in Pain and Disability: A Randomized Control Trial

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*Corresponding Author: Nikku Yadav

CURRENT PRACTICE PATTERNS OF INDIAN PHYSIOTHERAPISTS IN THE REHABILITATION OF PARKINSON'S DISEASE: A CROSS-SECTIONAL SURVEY STUDY

Anjali Rawat¹, Dr. Vaibhav Agarwal², Dr. Abhishek Sharma PT³, Nikku Yadav⁴

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Abstract

Introduction: Parkinson's Disease (PD) is the second most prevalent neurological ailment worldwide. The prevalence of PD in India ranges from 33 -328 per 1,00,000. However, there is lack of data to support the existing practice followed by Indian physiotherapists for Parkinson's Disease rehabilitation. **Objective:** To examine Indian Physiotherapists' clinical practice trends regarding Parkinson's Disease assessment and rehabilitation and to learn more how evidence-based PD rehabilitation is implemented. **Methodology:** An electronic questionnaire was sent to the Indian physiotherapists via social networking sites. The e-survey questionnaire included three components: demographic details, assessment, and intervention of PD. 129 responses were received. **Data Analysis:** Data was analyzed using SPSS version 20 software. **Result and Conclusion:** Out of 129 responses, 122 met the inclusion criteria of this study. Because the information gathered was qualitative, the results were expressed in terms of frequencies and percentages. This study implicates that there is a great diversity in the Rehabilitation of PD, especially the assessment. Evidently, there is a need to follow the evidence-based practice regarding the rehabilitation of PD and execute them. Nevertheless, more research is needed to understand the reasons that are influencing the practice patterns of Indian Physiotherapists.

Keywords: Physiotherapists, Rehabilitation, Parkinson's Diseases, Physiotherapy.

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Clinical and etiological profile of stroke in Uttarakhand: A hospital based retrospective study.

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**AN OBSERVATIONAL STUDY TO EVALUATE THE POSTVACCINATION SYMPTOMS
(COVAXIN) IN GENERAL POPULATION MORE THAN 18 YEARS OF AGE.**

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TO COMPARE EFFICACY, TOLERABILITY AND QUALITY OF LIFE WITH CONVENTIONAL AND NEWER ANTIEPILEPTIC AS MONOTHERAPY IN NEWLY DIAGNOSED PATIENTS OF EPILEPSY.

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ABSTRACT **Background:** Quality of life plays an important role in patients of epilepsy and is the most neglected part during management. The antiepileptic drugs treatment results in seizure control but adversely affect the quality of life in patients on drugs taken for the treatment of epilepsy **Methods:** An observational analytical study was conducted in the Department of pharmacology with Department of Neurology of Himalayan Institute of Medical Sciences, Dehradun over one year. Total of 120 patients fulfilling the inclusion criteria with diagnosis of epilepsy were enrolled and divided into two groups based on physicians discretion . Group A were on the conventional antiepileptic drugs , group B received the newer antiepileptic drugs and followed up for 12 weeks. Patients were evaluated for quality of life by QOLIE-10 questionnaire at baseline and 12 weeks, assessed for seizure control and drug related adverse effects. **Results:** There was significant improvement in quality of life, in both the groups as compared to baseline ($p<0.05$) at 12 weeks but there was not significant change in quality of life in conventional and newer groups. The patients who reported total seizure freedom at 6 weeks was 93% and 90% for older and newer groups respectively .Both groups achieved complete seizure control at 12 weeks. Adverse events reported in patients on conventional groups were more as compared to newer group. **Conclusions:** Quality of life improved in both group of patients on newer and conventional antiepileptic drugs, with similar seizure control but decreased number of adverse effect of newer than on conventional antiepileptic drugs .

KEYWORDS : Generalized tonic clonic seizure, partial seizure, Quality of life in epilepsy, QOLIE-10.

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A CROSS-SECTIONAL STUDY TO ASSESS KNOWLEDGE, ATTITUDE AND PRACTICE (KAP) TOWARDS COVID-19 VACCINATION AMONG GENERAL POPULATION

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National workshop on 'Women empowerment in Uttarakhand through S&T interventions'*

The National Academy of Sciences, India (NASI), Uttarakhand Chapter-sponsored the national workshop held recently that was chaired by Manju Sharma (former Secretary, DBT and former President of NASI) and co-chaired by Rajendra Dobhal (Swami Rama Himalayan University (SRHU), Uttarakhand). Through presentations of research outcome, case studies and clinical trials, it recommended actionable strategies for integrating innovative science and technology (S&T) tools to enhance women's participation in science, technology, engineering and mathematics (STEM) domains, improving women's health, fostering entrepreneurship and enhancing their socio-economic conditions. The workshop was attended by over 160 women participants which included researchers, scientists, clinicians, social scientists and entrepreneurs.

In her inaugural address, Manju Sharma highlighted the transformative potential of S&T in improving women's lives. She stressed on the importance of providing women with quality education and access to technological resources. She pointed out that a stronger collaboration between the government, academia and industries would create a robust support system for women in the region. Along with policy reforms to ensure equal opportunities and representation in scientific fields, she advocated for mentorship programmes, and S&T training initiatives to build confidence and skills among women, empowering them towards self-sustenance and fostering a sense of optimism for the future.

The first technical session on the priority areas of agriculture, health, artificial intelligence (AI) and information technology started off with a talk by Paramjit Khurana (University of Delhi-South Campus). Pointing out enthusiastic involvement of women in agri-research and business, she presented novel perspectives on integrating traditional agricultural practices and modern

agri-technologies with women taking the lead. She described programme like the National Research Centre for Women in Agriculture (NRCWA), which aims to promote gender-sensitive agricultural decision-making, empowering women to customize farm technologies while addressing requirements for improved production and sustainability. Renu Dhasmana (Himalayan Institute of Medical Sciences, SRHU) gave an insightful talk on empowering women through holistic health by focusing on a wholesome diet, exercise, regular health check-ups, and balance of three Gunas, i.e. *Satvik, Rajas* and *Tamas*, thus creating a fusion between traditional system of medicine with modern technologies. As a promoter of health equality, she underscored the significance of gender equality in tackling maternal and child health, including nutrition, thus encouraging women towards self-care. Meenu Gupta (Cancer Research Institute, SRHU) discussed strategies for the early detection of women's cancers with a particular focus on cervical (CaCx) and breast cancers (BrCa). She informed about the WHO's declaration of eliminating CaCx by 2030 through preventive vaccination, regular screening and timely medical intervention. She reminded the audience about the large number of CaCx deaths in India despite the availability of preventive vaccines, including an indigenous one released by the Pune-based Serum Institute of India. She underlined the significance of public awareness campaigns and universal access to healthcare services. The last speaker of the session, Durga Toshniwal (Indian Institute of Technology, Roorkee), discussed the utilization of AI and the internet of things (IoT) in healthcare of women. Her presentation focused on how technology advancements may meet healthcare requirements and enhance the capabilities of women. The intersection of AI and IoT with health research, specifically disease diagnostics, image analysis, fertility and reproductive health, pregnancy and maternal health was thoroughly discussed.

The technical session 2 covered skilled manpower and infrastructure. Garima Gupta (Department of Biotechnology (DBT), New Delhi) provided insights into initiatives to transform undergraduate and postgraduate

biotechnology education in India, particularly through the Star Colleges programme. She outlined the support provided by DBT to researchers in India, including funding opportunities, training programmes and career development initiatives. The Star College Programme, Builder Programme, and the recent launch of the Sahaj and Common Fellowship Portal were highlighted as key initiatives to enhance the quality of education and research opportunities. Purnima Sharma (Biotech Consortium India Limited (BCIL), New Delhi) mentioned the significance of translational science in academia. She gave examples of successful transfer of technologies from academia to industry. Emphasis was laid on the crucial role of technology-enabled centres (TECs) in promoting collaboration among stakeholders in biodesign and global innovation ecosystems. She discussed the difficulties encountered by academia in developing strong scientific and technological infrastructure, and stressed the importance of working together to overcome obstacles. An MoU between BCIL and SRHU was also signed to transfer prototype technologies. The session ended with Pratibha Jolly discussing the importance of enabling women in STEM disciplines and promoting gender diversity in the workplace. Utilizing her experiences in Gender Advancement for Transforming Institutions, she provided valuable perspectives on the difficulties and opportunities women face in STEM fields. She stressed the significance of establishing gender-sensitive and adaptable work environments to promote women's progress in STEM professions. She emphasized the significant impact of both formal and non-formal education on empowering women worldwide.

The technical session 3 covered health interventions through high tech R&D. Ranjana Pathania (IIT Roorkee) presented research outcomes of antimicrobial resistance (AMR), emphasizing the alarming rise of antibiotic resistance and its potential implications. She expressed concern about drug-resistant ESKAPE pathogens against the limited discovery of new antibiotics. Of particular concern was the rampant use of antibiotics in the poultry industry, highlighting its contribution to the spread of

*A report on the National Workshop on 'Women empowerment in Uttarakhand through science and technology interventions' held at Swami Rama Himalayan University, Uttarakhand on 29–30 March 2024. This workshop was sponsored by the National Academy of Sciences, India, Uttarakhand Chapter.

antibiotic resistance. Suphiya Khan (Shriram Institute for Industrial Research, Gurugram) focused on developing and implementing cost-effective defluorination techniques tailored exclusively for rural and urban areas. She highlighted the importance of connecting scientific research with societal problems and real-world situations, giving examples of dental and skeletal fluorosis present in many communities in Rajasthan. She presented a novel technique involving nanorods outfitted with nanosensors to improve the effectiveness of fluoride removal.

On day 2, technical session 4 highlighted integrating S&T tools into the community. Ruchi Juyal (Himalayan Institute of Medical Sciences, SRHU) emphasized the critical need to prioritize women's health within the community, particularly in the Indian context. She highlighted the tendency of women to overlook their own well-being while fulfilling family obligations. Establishing trust and offering accessible mental and physical health solutions would help women. She addressed the impact of educating women, which leads to increased life expectancy and improved gender ratios. She discussed a range of socio-economic variables impacting women's health, including cultural norms, societal stigmas and gender bias. Shweta Sethi (Himalayan School of Management Studies, SRHU) highlighted the obstacles encountered by women in the business industry, such as societal and gender prejudices, insufficient financial resources and limited market expertise. She emphasized the significance of fostering a supportive work atmosphere by conducting training sessions, workshops and seminars on time management. She spoke on the significance of diversity and

inclusion initiatives, such as the diversity, equity, inclusion and equality (DEIE) programmes implemented by firms like Klyveld Peat Marwick Goerdeler. She recognized the importance of networking and mentoring platforms to support women's entrepreneurship. A talk by Manjari Tripathi (All India Institute of Medical Sciences, New Delhi) discussed the frequently ignored matters of mental health, highlighting the impact of negative emotions on mental health, especially amongst women. She correlated the accumulation of unpleasant emotions with the development of acute and chronic mental disorders, which are accentuated by societal and familial constraints. She emphasized the importance of yoga as a therapeutic approach to mental health. She recognized post-partum negative feelings, workplace negligence and mental harassment as major factors that contribute to anxiety, despair and suicidal tendencies in women.

The technical session 5 featured a dynamic panel discussion on women's empowerment in Uttarakhand through S&T, where experts explored strategies to enhance women's participation in STEM fields, discussed successful initiatives, shared best practices, and highlighted the importance of mentorship and support networks. The session concluded with actionable recommendations to foster an inclusive environment encouraging women's innovation and leadership in science and technology.

In the valedictory session, Manju Sharma presented a brief report and recommendations for the workshop that included: (i) Embarking on targeted initiatives tailored to the distinctiveness of women of Uttarakhand region; (ii) Organizing workshops,

meetings, festivals, conferences and contests to foster brand recognition and community engagement with women in the centre stage; (iii) Setting forth a definitive S&T trajectory for enhancing University's mission towards women empowerment; (iv) Stimulating faculty engagement in community endeavours integrating S&T in social sectors, especially to uplift rural women; (v) Advocating awareness about women health issues including CaCx and BrCa to overcome societal taboos.

Rajendra Dobhal (Vice-Chancellor, SRHU), congratulated everyone for a successful workshop, and highlighted valuable networking opportunities for women in Uttarakhand. The workshop aimed to support women in various fields, including empowering women in rural areas with effective healthcare solutions. Santosh Kumar (Executive Secretary of NASI), commended the organizers for bringing-in women from different walks of life, addressing women-oriented issues and proposing solutions. Bindu Dey (Director Research, SRHU) thanked the dignitaries, speakers and participants for collectively building a direction for women in driving research, innovation and economic growth, and suggesting steps in implementing ideas into action amongst women groups in rural areas of Uttarakhand.

Late Manju Sharma[†], formerly at DBT, Government of India; **Rajendra Dobhal**, **Bindu Dey** and **Nikku Yadav***, Swami Rama Himalayan University, Swami Ram Nagar, Joly Grant, Dehradun 248 016, India.
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MEETING REPORT

Computational biology: a roadmap for next cutting-edge discoveries*

Computational biology, at the intersection of biology, computer science and mathematics, offers tools for solving complex biological issues and addressing challenges

*A report on the national symposium on 'Emerging trends in computational biology: bridging academia and industry' on 28 June 2024, organized by the Department of Life Sciences, held at S. K. Somaiya College, Somaiya Vidyavihar University, Mumbai. The symposium was supported by CSIR, Govt of India and Microbiologists Society of India.

in translational disciplines. There are several application areas of computational biology such as: (1) Decoding biological complexity: biological systems comprise intricate networks of genes, proteins and metabolites. Advanced computational models like systems biology and machine learning can analyse large datasets (e.g. omics data) to uncover patterns, predict outcomes and identify regulatory elements. (2) Accelerating drug discovery and development: drug development is time-consuming and

costly, with high clinical trial failure rates. Tools such as molecular dynamics simulations, structure-based drug design and virtual screening can streamline drug candidate identification. Areas such as pharmacogenomics can use computational tools to tailor drugs to genetic profiles, speeding up discovery, reducing costs and support personalized medicine. (3) Enhancing agricultural productivity: climate change, pests and disease threaten global food security. Genomic prediction models can help select

Ongoing Clinical Trial Projects

Sr. No.	Indication	Sponsor	CRO	Study Start Date	Trial Status	Patient Recruited	Monitoring Visits
1	Metastatic Non- small Cell lung cancer	Zydus Life Sciences, Ahmadabad , GJ	Cliantha Research, Mumbai, MH	09/Mar/2023 to 10/Mar/2023	Close out	4	08/Nov/2023, 09-10/Mar/2023, 30-31/May/2023, 28-29/Jun/2023, 05-06/Sep/2023, 16-17/Oct/2023 29-30/Nov/2023, 11-12/Apr/2024
2	Rheumatoi d arthritis	Virchow Biotech Pvt. Ltd. Hyderabad, Telangana	NMC Clinical services, Hyderabad, Telangana	14 Jul 2023	Close out	3	14/Jul/2023, 03/Apr/2024
3	Multiple Myeloma	Pfizer Ltd Mumbai, MH	Parexel India, Mumbai, MH	06/Jun/2023 to 07/Jun/2023	Ongoing	2	03/Jan/2023, 06-07/Jun/2023, 28-29/sep/2023, 26/Oct/2023, 19-20/Dec/2023, 16/Feb/2024, 12-13/Mar/2024, 29-30/Apr/2024, 13-14/Jun/2024, 19-20 /Feb/2025, 16-
4	Established cardiovascular Disease	Novartis Ltd, Mumbai, MH		08/Jun/2023 to 09/Jun/2023	Ongoing	8	08-09/Jun/2023, 10-11/Jul/2023, 19-20/Oct/2023, 09-10/01/2024, 04-05/Apr/2024, 06Jun/2024, 9-10/Jan/2025, 5/06 /2025 to 6/6/2025

5	Atherosclerotic cardiovascular Disease	Novartis Ltd, Mumbai, MH		20/Jul/2023 to 21/Jul/2023	Ongoing	13	20-21/Jul/2023, 08/Sep/2023, 04-06/Dec/2023, 06-08/Mar/2024, 05-06/Jun/2024, 6-7/ March /2025
6	HER 2 + Breast Cancer	Hetero Biopharma Ltd, Hyderabad, Telangana	Insignia Clinical Services Pvt. Ltd, New Delhi	03/May/2024	Pending	-	-
7	Invasive Fungal Infection	Gufic Biosciences Limited, Mumbai, MH	-	15 Mar 2024	Close	-	-
8	Chronic Hyperuricemia	Vivotech Research Lab Pvt. Ltd, Mumbai, MH	-	-	CTA Pending	-	-
9	Lung Cancer Tecentriq® Lung Registry	Roche India, New Delhi	Eversana Ltd ,Mumbai, MH	-	terminated	-	-
10	ER+/HER- Early Breast cancer	Astrazeneca Ltd, Bangalore, KA	-	-	On going	4	8-9 May 2025
11	Biliary Tract Cancer	Astrazeneca Ltd, Bangalore, KA	-	-	Dossier submitted	-	-

12	A Phase III Prospective, Randomized, Open-labelled, Blinded endpoint (PROBE), Multi-centric, Parallel Group, Non-inferiority Study to compare the Efficacy and Safety of GBL1204 with Ranibizumab in Patients with Wet Age-Related Macular Degeneration (PROMISES Study)	Gennova Biopharmaceuticals Limited	CRNI			7 screen 6 randomize	24 April 2025, 2 May 2025, 12 May 2025, 9 May 2025, 10 May 2025
13	A Phase IV, open label, clinical trial to assess safety and efficacy of Fexofenadine HCl + pseudoephedrine HCl fixed dose combination in Indian participants with allergic rhinitis (AR) who are 12 years and above (FAST trial) .	Sanofi		CTA For Signature			

Seed Projects at Clinical Trial Center

S.no	Title of the Project	PI & CO-PI	Institute
1	To establish clinical trial center to conduct research on Diabetes-Induced Complications in Patients of Himalayan Hospital, Dehradun	Dr Nikku Yadav D/o Clinical Research	HIMS
2	Establishment of an Integrated Hematology Research and Diagnostic Centre for Advanced Hematological Studies at Himalayan Hospital, Dehradun, Uttarakhand”	Dr. Manish Raturi D/o Immuno Haematology & Blood Transfusion	HIMS
3	Clinical, Pathological, and Molecular Profiling of Breast Cancer in Patients of Himalayan Hospital, Dehradun, Uttarakhand	Dr. Ankit Batra D/o Medical Oncology	HIMS
4	A Clinical and Molecular Profile Study of Multiple Myeloma in Patients of Himalayan Hospital, Dehradun, Uttarakhand	Dr. Aavarti Baveja D/o Clinical Haematology	HIMS
5	Clinical, Radiological, and Molecular Profiling of Non-Small Cell Lung Cancer (NSCLC) in Patients of Himalayan Hospital, Dehradun, Uttarakhand	Dr. Sanjiv Kumar Verma D/o Medicine	HIMS
6	Clinical, Immunological, and Environmental Profiling of Allergic Rhinitis in Patients of Himalayan Hospital, Dehradun, Uttarakhand	Dr. Reshma Kaushik D/o General Medicine	HIMS



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