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Data to Discovery

International Conference on
Biology and Medicine in AI Era
with hands-on workshop on
Datamining Statistics & AI ML
Tools in Biomedicine

Jointly organized by:

Department of Community Medicine,
Clinical Trial Centre (Dept. of Clinical Research),
Cancer Research Institute, HIMS SRHU, and
Intelligent OMIX UK & 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





स्वामी राम हिमालयन विश्वविद्यालय
Swami Rama Himalayan University



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Purpose

- To bring together biologists/clinicians and data scientists to identify specific areas and databases amenable to cross-disciplinary research with special reference to Uttarakhand, and, establish collaborative linkages.
- To train, hands-on, UG/PG students & young researchers in cross disciplinary data mining statistics/AI /ML tools & applications for capacity building with a view to:
 - develop a research eco-system providing better insights/problem solving in areas of health & environment
 - cater to the skill crunch in industry thus enhancing employability in novel careers.

BMAI-2025

Program

- **Field trip in Himalaya (Badshahithaul, Chamba 1676m asl)**
Bird watching & Interactive Conclave '*Himalayan Environment: Problem-solving with Big Data & AI*'
- **Inaugural Session (Adi Kailash auditorium, SRHU)**
- **Introductory Session:** Brief lectures set the pace of the Symp-WS, highlighting the importance and need of data science applications in health and environment.
- **Panel Discussions (Short lectures followed by intensive Q & A):** Biologists, clinicians & data scientists from overseas, lead Indian Institutions & Uttarakhand showcase their contributions. Discussions highlight how a collaborative effort can leverage modern data science tools to provide better solutions/ insights.
- **Hands-on Workshop with Live-demos and participatory Walk-thru exercises:** The workshop will teach in a conceptual, non-mathematical way, approaches to the use of data mining statistics, AI ML tools to analyse data, to identify structures in populations, and discover biomarker/risk factors. No prior knowledge of programming languages is required - Only MS Excel

Eminent guest speakers



Prof Graham Roy Ball PhD FRS,
Intelligent Omix Ltd., UK
(Visiting Professor SRHU)



Dr Dong Ling Tong PhD,
Department Communication &
Information Technology,
UTAR Malaysia



Prof Dono Widiatmoko PhD,
Department of Public Health,
University of Derby, UK



Padma Sri Prof RNK Bamezai PhD
FASc FNA,
Fmr Dean School of Compu &
Integrative Sc, JNU Delhi



Prof Sanjeev Srivastava PhD FRS,
Dept Bioengineering &
Proteomics,
IITB Powai, Mumbai



Dr Alan J Stewart PhD FRS,
School of Medicine,
St Andrew's University,
Scotland, UK



Prof Joshua LaBaer MD PhD, VGP
Center for Personalized
Diagnostics, Arizona State Univ
USA



Prof Stephen Pennington MD PhD,
School of Medicine,
Univ College of Dublin,
Dublin Ireland



Prof Sudhir Srivastava MD PhD,
National Cancer Institute, NIH,
Maryland Bethesda USA



Prof A Witta MD PhD,
Bioengineering & Therapeutic Scs,
University of California San Francisco,
USA



Dr Judith Steen PhD,
Boston Children's Hospital,
Harvard Medical School,
Boston Mass USA



Prof Sanjiv Dhingra PhD,
Institute of Cardiovascular Sciences,
University of Manitoba, Canada



Dr Ayoade Adedolapo PhD,
Hydrobiology & Fisheries Unit,
Univ of Ibadan, Ibadan,



Dr Gokul Krishnan Kuppan
PhD, Dept of Neurochemistry,
NIMHANS, Bangalore



Dr Rachel Bolatito Aleji PhD,
Federal Univ of Technology,
Minna, Nigeria