



**MEMORANDUM OF UNDERSTANDING**  
*Between*  
**SWAMI RAMA HIMALAYAN UNIVERSITY**  
(Hereinafter known as "SRHU")



&  
**DEPT. OF SYSTEMS BIOLOGY AND  
BIOINFORMATICS, ROSTOCK UNIVERSITY, ROSTOCK, GERMANY**  
(Hereinafter known as "SBI-RU")

**WHEREAS, the Swami Rama Himalayan University, DEHRADUN** is located in the newly formed state of Uttarakhand, one of the under- developed states of India. A bold vision, to bring medical services to the millions of underprivileged people in northern India, began modestly in 1989 with a small outpatient department. Today it is the site of a world class medical city and education campus offering a full range of medical specialties and services. The transformation is the result of the vision of H.H. Dr. Swami Rama.

Swami Rama Himalayan University has been established under section 2(f) UGC Act, 1956 and enacted vide Uttarakhand Act No. 12 of 2013. The University is promoted by the Promoting Society '**Himalayan Institute Hospital Trust**' (HIHT). The Promoting Society, i.e. HIHT, is a registered Society founded by **H.H. Dr. Swami Rama** who was the personification of not only a spiritual guru, but was also a painter, poet, author, musician, philosopher, scientist and above all, a humanitarian with a vision. This visionary sage conceived, designed and established HIHT to translate his dream projects for the benefit of mankind into reality. It is this iron-willed sage who has turned the barren land at the foothills of Himalayas into a eco-friendly Medical & Educational city comprising of Himalayan Institute of Medical Sciences, Himalayan College of Nursing, Himalayan School of Engineering & Technology, Himalayan School of Management Studies, Rural Development Institute, Ayurveda Centre, a 1000 bed multispecialty Himalayan Hospital, Cancer Research Institute, Himalayan School of Biosciences, SRHU - IL&FS Institute of Skills and Swami Rama Himalayan University. HIHT has evolved as a major teaching and training institution, healthcare services provider and a center of social outreach activities within a span of twenty seven years.

*Rohini Shrivastava*  
Registrar, SRHU  
Dehradun, India

*Olaf Wollmer*

Chair, Dept. of Systems Biology & Bioinformatics  
SBI-RU, Rostock, Germany

All the constituent colleges and academic units of the University are equipped with advanced infrastructure, large faculty base consisting of trained super specialists, academicians and researchers.


The University is currently offering Under Graduate (MBBS), Post Graduate (MD/MS/Diploma) medical programmes, Under Graduate & Post Graduate programmes in Paramedical, Nursing, Engineering, Management, Biosciences along with B.Voc. and Ph.D Programmes .


Since the inception of SRHU, a good number of research project have been successfully completed. Presently, many research project in various discipline are in progress. The establishment of Post graduate medical students have given additional momentum to the ongoing research activities of the Institute, being an integral part of the academic activities of the medical college.

University has submitted a mega project, "Digital Health of The Ganges River in The State of Uttarakhand: A Metagenomic Approach to Define the Microbial Diversity and its Impact on Human Health" in collaboration with the Rajiv Gandhi Center for Biotechnology. I believe that this is a very special project for the State of Uttarakhand, and the outcome of this will have a major impact on the mission of Ganga Rejuvenation in the nation; hence the keen interest of the Government of Uttarakhand.

**WHEREAS**, Tradition and innovation are the trademarks of Rostock University almost 600-year history. Education and research started in Rostock even 73 years before Columbus discovered America as the university was founded already in 1419. A lot has changed in the meantime. Such as the technical faculty founded in 1951 - the first one ever established at a classical university. Plenty of new, modern buildings, as the completely new campus for natural sciences in the district Suedstadt, represent the innovative strength and modernity of our university.

Today, with about 14,000 students and 2,933 staff members (in the medical care sector: 2,926), the University of Rostock offers fascinating perspectives into nearly all scientific fields. With the four profile lines Life, Light and Matter / Maritime Systems / Aging Science and Humanities / Knowledge – Culture – Transformation, the University of Rostock has at its disposal excellent

  
**Registrar, SRHU**  
**Dehradun, India**

  
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**SBI-RU, Rostock, Germany**

interdisciplinary research fields in the areas of natural and technological sciences, medicine, life sciences, humanities and cultural studies. The standard set for all our actions: we want to impress with our performance.

**The DEPT. OF SYSTEMS BIOLOGY AND BIOINFORMATICS, ROSTOCK UNIVERSITY, ROSTOCK, GERMANY** is significantly contributing to the computational and system biology with growing scientific and technological knowledge and professional excellence in science and technology by undertaking industrial and applied research and consultancy.

### **OBJECTIVES**

Both SRHU and SBI-RU

- a) Recognizing the importance of research and development in the areas of biomedical science, computational and system biology.
- b) Appreciating the need for integrating the reservoir of highly qualified manpower in the field of Medical, Bioscience, Computational and System Biology.
- c) Desiring to amalgamate their efforts by pooling their expertise and resources,

Now agree upon, for the mutual benefit, to form a nucleus for promoting excellent research in the field of biomedical and system biology and allied areas.

### **SCOPE AND GENERAL ACTIVITIES**

- 1) Exchange of the research facilities and expertise for the establishment of System Biology Laboratory in SRHU, Dehradun.
- 2) Visits of faculties, PG & Ph.D. Students (Medical & Biosciences) to each other's campus (During visits, Faculty/Students would be provided appropriate accommodation in hostel/guest house). Rostock University can fund some students to visit their campus in Germany for 2 to 3 months training in the research domains which aligned to their research domains.
- 3) Participation of both the University in global funding scheme for collaborative research.

*Neelam Bhatnagar*  
**Registrar, SRHU  
Dehradun, India**

*Olef Gollner*  
**Chair, Dept. of Systems Biology & Bioinformatics  
SBI-RU, Rostock, Germany**

- 4) Submission of joint project seeking external support for collaboration in research & consultancy.
- 5) Make available laboratory, library, Software and such other resources for bilateral applications without any financial burden on either party.

#### FINANCIAL TERMS

There is no direct financial obligation on either Institute unless specifically agreed to.

#### DURATION

This agreement shall come into effect on the day of the approval by both institutes with an initial duration of five years.

#### TERMINATION


Either institute may terminate this agreement provided that a written notice of this intent is given at least six months prior to the termination.

#### INTELLECTUAL PROPERTY RIGHT (IPR)


Right regarding publications, Patents, royalty. Ownership of software/ design/ product developed. Etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

Signed this 22/11/2017

(Date)


  
**Mr. Nalin Bhatnagar**  
Registrar  
SRHU,  
Dehradun, India

Witness:

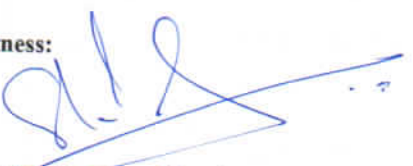
  
**Dr. Uma Bhardwaj**  
Dean, Research  
SRHU,  
Dehradun, India

at Dehradun

(Place)

  
**Prof. Olaf Wolkenhauer**  
Chair,  
Dept. of Systems Biology & Bioinformatics  
SBI-RU, Rostock, Germany

Witness:

  
**Dr. Shailendra Gupta**  
Scientist,  
Dept. of Systems Biology & Bioinformatics  
SBI-RU, Rostock, Germany