

DHANANJAY KUMAR SINGH, PhD

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<https://scholar.google.co.il/citations?user=P8Bij14AAAAJ&hl=en>

<https://www.cusb.ac.in/index.php/14-sample-data-articles/1055-dr-dhananjay-kumar-singh>

Academic Qualifications

PhD, Pharmaceutical Sciences

2012- 2017

Jawaharlal Nehru University, New Delhi, India

(Supervisor: Dr. Suaib Luqman, CSIR-CIMAP, Lucknow)

Master in pharmacy, (Pharmacology)

2010- 2012

BB Ambedkar University, Lucknow, India

Bachelor of Pharmacy

2006-2010

Amrita School of Pharmacy Kochi, India

Research/teaching Experience: 03 year post PhD + 05-year pre-PhD

Assistant Professor

2020-Present

Department of Pharmacy, Central University of South Bihar, Gaya, India

Overview: My major assignment here is to teach Master in Pharmacy students and also supervise them to complete research dissertation. I will also be supervising PhD from next session. I am interested in identification of Aging and Cancer associated novel biomarkers and exploration of therapeutic intervention. The research is mainly focussed to understand the aging process and cancer progression due to genome instability. We are also trying to understand the link of cellular senescence with aging and cancer. The major aim is to identify and develop some plant based therapeutic leads to modulate pathway(s) associated with aging and cancer in order to delay it and improve life span and health span.

Post-Doctoral Researcher

2019-2020

Department of Cancer Pharmacology, Linköping University, Sweden

Supervisor: Prof. Stig Linder

Research topic: To understand the mechanism of action of a novel DUBs inhibitor of the ubiquitin-proteasome system.

Overview: Objective of current research was to investigate the role of the proteasome deubiquitinases (DUBs) such as UCHL5 and USP14 in normal and malignant conditions and to identify and develop novel DUBs inhibitors for clinical use. To achieve the objective, various combinations of biological and chemical studies were performed using suitable cell and mouse model and techniques. Our lab has generated conditional USP14 and UCHL5 knockout cell lines by infecting cre-lentivirus. The purpose of generating USP-/- mouse model was to investigate the role of USP14 gene in cellular development and its contribution to cancer. For these purposes a conditional knockout model for DUB USP14 has been developed and further research is going on.