**Uddeep CHAUDHURY**

Status Ph.D. student

Affiliation Department of Immunology and Microbiology, University of Colorado Anschutz SoM

Address 12800 E. 19th Ave, Aurora, CO 80045

Date of Birth 29 September 1997

Nationality India

E-mail uddeep.chaudhury@cuanschutz.edu

**References**

# Name Dr. Leslie J. BERG

Position Professor, Chair

Affiliation Department of Immunology and Microbiology, University of Colorado Anschutz SoM Mailing Address Mail Stop 8333, RC1N 8101, 12800 E. 19th Ave, Aurora, CO 80045-2537

Phone : +1-303-724-2214

E-mail leslie.berg@cuanschutz.edu

**Research Fields of Interest**

Examples: Acquired immunity, CD8 T cells, signalling, cytokines, tumor immunology

**Education and Appointment**

2016-2020 Vellore Institute of Technology, School of Biosciences and BioTechnology (B.Tech)

2020-2021 Technician/Junior Research Fellow, All India Institute of Medical Sciences

2021-Present University of Colorado Anschutz School of Medicine (Ph.D.)

**Publications**

1. A. Sharma, S.C. Achi, S.R. Ibeawuchi, M.S. Anandachar, H. Gementera, **U. Chaudhury**, F. Usmani, K. Vega, I.M. Sayed and S. Das: The Crosstalk between Microbial Sensors ELMO1 and NOD2 Shape Intestinal Immune Responses. *Virulence*. Vol 14(1). Article: 2171690 (2023).
2. R. Kumari, S. Chakraborty, R. Jain, S. Mitra, A. Mohan, R. Guleria, S. Pandey, **U. Chaudhury**, and D. K. Mitra: Inhibiting OX40 Restores Regulatory T-Cell Function and Suppresses Inflammation in Pulmonary Sarcoidosis. *Chest*. Vol 160(3). P969-P982 (2021).

**Statement from the applicant (regarding your reasons or purpose for attending the program)**

My purpose for applying to the 3rd International School on Advanced Immunology is to participate is two-pronged: to advance my understanding of immunology through scholarly discussions with peers and experts in the field, and to showcase my research on a platform uniquely suited to provide invaluable feedback for future steps.

Since starting in 2021, I am currently about three years into my Ph.D. Program in Immunology under the supervision of Dr. Leslie Berg at the University of Colorado (CU) Anschutz School of Medicine. When I was interviewing for my graduate degree across universities in the US in 2021, one aspect of CU’s Immunology Program stood out to me – I felt that the students and the faculty were part of a close knit-community of scientists who looked out for one-another. Being here for almost three years, I can say that there is a sense of oneness amongst the different labs, a desire to help each other out by sharing expertise and tools between each other. I feel fortunate that my advisor Dr. Berg embodies this philosophy as the chair of our department. She has told me that science should not be done in isolation; you lose more than you stand to ever gain. She has also been very encouraging of having her trainees get exposure to a breadth of research expertise, enabling ideas from outside the box of familiarity. As such, it was no surprise to me that she was instantly supportive of my desire to attend the 3rd International School on Advanced Immunology. This event to be held in Awaji island, Japan, will be an exciting scientific congregation of lecturers who not only span a range of specializations within immunology, but who also bring diverse interdisciplinary approaches towards answering cutting-edge research questions in the field. From mucosal immunology and host-pathogen interactions (Dr. Fagarasan) to tumors and immune checkpoints (Dr. Okazaki), successful applicants will have the rare privilege of learning from the scientists actively pushing the frontiers of knowledge in immunology. In fact, our lab regularly cites Dr. Dietmar Zehn’s work in our publications for his seminal contributions to understanding CD8 T cell differentiation. This presents a rare opportunity to learn and get feedback from renowned experts from across the globe at a stage of my career where it can make a lasting impact on my future as an immunologist.

Equally exciting is the prospect of connecting with my peers at a similar stage of their scientific career and make long-lasting friendships/networks to help each other out in our journeys. I enjoy being in a space with others who share the same goal of furthering our understanding of immunity. I am keen on learning about the ongoing work other participants all over the world are engaged in and to hear their thoughts on my evolving research project. I appreciate the organizing committee for scheduling in late discussions to foster further engagement and exchange of ideas amongst the participants.

Finally, I am very grateful that the program includes the opportunity to visit the Immunology Frontier Research Center labs at Osaka University. The laboratory of Immune Regulation, the laboratory of Human Single Cell Immunology, and the Cellular Immunotherapy laboratory are some of the research groups I am particularly interested in interacting with. Dr. Shimon Sakaguchi’s foundational work on Treg biology has been highlighted to us in many of our courses during my Ph.D. training; it would be an honor to meet with him and learn about current research in this area.

Overall, I am enthusiastic about being a part of this school for young immunologists, taught by leaders in this field. I thank the organizing committee for their thoughtful planning and efforts to make this 3rd school as success and hope to be a part of it. If accepted, the school can expect my active participation in this program. I express my gratitude to the selection committee for their time in reviewing my application.