Dr. Ambedkar College, Deekshabhoomi ,Nagpur.

Science students motivation cum education Activity

Topic: Guest Lecture by Dr. Pooja Saraf-Dogra, University of Tennessee, Knoxville, USA

Seeding Labs Campus Chapter

Date: 1st March 2019

Report

The Department of Biochemistry and Biotechnology in association with Seeding Labs, Campus Chapter, DACN organized a Guest lecture of **Dr. Mrs. Pooja Saraf-Dogra, Ph.D. (Microbiology and population genetics) University of Tennessee, Knoxville**, on the topic, **"Investigating The Role Of Human CD47 Expression On Porcine Islet Xenograft Rejection" on 1st March 2019 at 11:30 am in Mini Auditorium.**

Dr. Pooja Delivering her Lecture *Dr. Begde Introducing Dr. Pooja*

Around 80 UG and PG students and faculty members belonging to the field of Biological sciences (Biochemistry, Biotechnology, Botany and Zoology) attended this guest lecture. Dr. Pooja, presently a postdoctoral fellow at the Columbia Center for Translational Immunology, Columbia University, USA, under research advisor Dr.Xiaojuan Chen deliberated upon her current research interest of how to Examine the impact of CD47 expression on preventing the xenograft clearance in humanized mice reconstituted with human immune system. She explained the technique of Islet isolation to study the islet Allo-transplantation in non-human primate's model through use of *In vitro* assays, cell culture. Flow cytometry, Mouse renal capsule surgery, harvesting organs, isolation of islet cells from organs. Through her lucid presentation skills she motivated the participating young minds as well as the faculty members. Through her work she emphasized upon her endeavor to deliver to the society with a sustainable cure for Type I Diabetes.

Shri. R. V. Patil, Officiating Principal, Presided over the function and Mrs. B.A. Mehere, Head, Department of Biochemistry and Biotechnology with Dr. D. N. Begde and all the Seeding Labs Campus Chapter Student members and Faculty Members of Department of Biochemistry & Biotechnology participated in the event.