

Guest Lecture on ‘Translational Sciences- Liver Injury and Repair’

RUHS CMS organized a guest lecture on 18th Feb 2016 at 2 p.m., in LT-2 of Administrative Block, RUHS CMS. The talk was given by **Dr. Sanjeev Gupta** on ‘**Translational Sciences- Liver Injury and Repair**’. It was attended by the faculty and undergraduate and post graduate students of RUHS and its constituent colleges.

Dr. Rajesh Sharma, Principal, RUHS CMS extended his warm welcome to Dr. Gupta and introduced him to the audience. Dr. Sanjeev Gupta is Professor in Medicine (Gastroenterology and Liver Diseases), and Pathology at Albert Einstein College of Medicine and holds the Eleazar & Feige Reicher Chair in Translational Medicine, Department of Medicine. He is a world leader in liver-directed cell and gene therapy and stem cell biology. He has received numerous academic awards, lectured globally at major professional organizations and served as a visiting professor at leading universities worldwide.

Dr. Gupta presented a very informative and science driven monologue wherein he discoursed about liver cell-based therapies and relevant aspects of stem cell biology. Major part of his talk was directed towards understanding mechanisms by which transplanted cells may engraft, proliferate and function in the liver, providing insights into cell-cell interactions that may benefit transplanted cells, and addressing the potential of liver cell types for treating major diseases of interest. Dr. Gupta being pioneer in the development of cell therapy talked in detail about various innovative ways for treating health problems such as high cholesterol, hemophilia, liver failure, and hepatitis. He made a special mention of diseases like acute liver failure (mechanisms for inducing liver regeneration), genetic deficiency states (e.g., Wilson's disease with copper toxicities with opportunities for cell/gene therapy approaches using hepatocytes for liver repopulation), and hemophilia.

At the end of the talk, Vice Dean, Academics and Research, RUHS CMS delivered the vote of thanks. He admired Dr. Gupta for his achievements in the field of cell transplantation and expressed his gratefulness to Dr. Gupta for inspiring the audience by his exemplary work. Dr. Gupta was overwhelmed to see the immense interest of many research scholars in his work and guided them further in the same.