



AASCP Zoom Lecture 7:30pm (EST)

Himanshu Arora, Ph.D. - “Leydig stem cell therapy for men with low testosterone”

Brief Bio – Dr. Arora completed his Master’s degrees in biotechnology from Devi Ahilya University, Indore India. He was awarded the Korean Government Scholarship for PhD degree in molecular Biology from National Institute of International Education [NIIED]. He was the recipient of Brain Korea 21 [BK21] scholarship in 2009- 2010 from Seoul National University for the superior performance in research and development. Then he was awarded Young Investigator award from Regional center for Biotechnology, DBT, India where he worked on the mechanisms of resistance development in colorectal cancer before moving to CNRS, France, where he spent two years as a Postdoc and explored regenerative mechanisms in developmental biology. Later he joined the University of Miami in 2016 as a Postdoc fellow where he explored the 1) Use of Leydig stem cells to increase the serum testosterone levels; 2) role of nitric oxide donors and their anti-inflammatory and anti-proliferative effects on tumor microenvironment of castration resistant prostate cancer. Dr Arora joined University of Miami as a faculty in 2019 and his lab is currently focusing on 1) Studying paracrine factors that are released by testicular microenvironment to aid in Leydig stem cell differentiation, 2) Exploring therapeutic efficacy of Nitric oxide donors (Immunotherapy)



against different stages of Prostate cancer progression, 3) Using Nitric oxide donors in combination with currently available immune checkpoint inhibitors like PD-L1 inhibitors, MIA series compounds, CSF1R inhibitors, 4) using machine learning tools to study the progression of prostate cancer and applying this knowledge in building up translational tools that could be used by researchers, clinicians and patients. Dr Arora received the American Urological Research Scholar Award in 2020 and Early Investigator Award from Endocrine Society in 2021 in recognition of his contributions.