“Harnessing the Power of Proteomics: From Genome to Proteome and Beyond”

Prof. Akhilesh Pandey, MD PhD

Dear colleagues,

We proudly announce a lecture and meet-the-expert meeting with prof. dr. Akhilesh Pandey.

The Pandey Lab at Johns Hopkins University School of Medicine is a systems biology lab that combines molecular biology, analytical chemistry and computational biology with various "-omics" technologies, including genomics and proteomics, to understand signaling pathways and to identify therapeutic targets and biomarkers in a number of cancers.

His Lab has a special interest in developing mass spectrometric methods for highly sensitive and accurate detection of molecules. In collaboration with the Institute of Bioinformatics in Bangalore, India, the Pandey Lab has developed several resources focusing on human proteins and pathways: Human Protein Reference Database, NetPath and Human Proteinpedia.

Next to the lecture there is a possibility for a limited number of highly motivated PhD students and post-docs to register for the meet-the-expert session. These attendees will be asked to read 2-3 papers and prepare some questions/ discussion points. This will catalyze scientific discussion in an informal setting and may provide new ideas for your research.

Date:	15th March 2018
Time lecture:	10:00 – 11:00h
Time MtE-session:	11:15 – 12:45h
EC points:	0.3
Target audience lecture:	Researchers in Oncology
Target audience MtE:	OOA PhD students in Oncology
Price:	free of charge
Location lecture:	O2 Auditorium
Location MtE:	CCA1.34
Registration:	Please register by sending the registration form to e.ruhe@vumc.nl
Organisation:	prof. C.R. Jimenez, PhD and Prof. H.M.W. Verheul (VUmc)
Information:	www.ooa-graduateschool.org or dr. E.M. Ruhé, PhD e.ruhe@vumc.nl

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Professor Akhilesh Pandey, MD. PhD.

Dr. Akhilesh Pandey is a professor of biological chemistry, oncology and pathology at the Johns Hopkins University School of Medicine. He is also a professor of molecular microbiology and immunology at Johns Hopkins Bloomberg School of Public Health. Dr. Pandey's research focuses on global analysis of signal transduction pathways using mass spectrometry as well as bioinformatics, sequence databases and annotation.

Dr. Pandey earned his medical degree from Armed Forces Medical College and completed his residency in pathology at the Brigham and Women's Hospital (Harvard Medical School). He obtained his Ph.D. from the University of Michigan in molecular biology. He was a postdoctoral fellow in the laboratory of Dr. Harvey Lodish at the Massachusetts Institute of Technology's Whitehead Institute for Biomedical Research.

Dr. Pandey's laboratory is known for taking a systems biology approach by combining many "-omics" technologies. In 2014 Dr. Pandey published the "**Draft human proteome**" in Nature.

He significantly contributed towards scientific data management and sharing of scientific data among research community. Human Protein Reference database (HPRD) was developed by his group and provides an important resource to the scientific community in providing easy access to all available published data on human proteins. HPRD gets 2 million hits per month and it has been cited in data published in Nature Biotechnology, Nature Genetics, Nucleic Acids Research, Genome Research, Genome Biology and BMC Bioinformatics among others. Another major initiative towards public sharing of scientific data is the development of Human Proteinpedia, which serves as a model for data dissemination among researchers.

Prof. Pandey has authored or co-authored more than 200 journal publications, abstracts and book chapters.

He has received numerous prestigious awards including the Experimental Pathologist-In-Training Award by the American Society for Investigative Pathology, Howard Temin Award from the National Cancer Institute, and the Sidney Kimmel Scholar Award by the Sidney Kimmel Foundation for Cancer Research. He has also received the Era of Hope Scholar Award by the United States Department of Defense.