NATIONAL CENTER FOR PROTEOMICS (NCP)

Proteomics is being utilized as a core technology globally to understand the role of protein molecules involved in health and disease. The cutting edge technologies used in Proteomics have much greater impact in terms of early diagnosis and offers tremendous potential in prevention and therapeutics. A recently established Institute, NCP is working to facilitate fundamental understanding of disease states by discovery of biomarkers and translation of these advances to improved clinical diagnostics using laboratory investigations and bioinformatics methods.

Degree Programs Available
• MS/Ph.D.

Admission requirement
MS: BS/M.Sc.
Ph.D: M.Phil/MS

Estimated Seats 10

Facilities
NCP has state-of-the-art facilities in the field of Proteomics. The Institute is equipped with instruments such as one and two dimensional electrophoresis, gel doc and image analysis facility, spot cutter, HPLC, FPLC, PCR and LC-MS along with complete in-silico solutions for data analysis, protein docking and simulation studies.

Research
Currently, NCP focuses on studying protein structure function relationship using proteomics and bioinformatics tools. Various projects on different types of cancers, diabetes, eye disorders, role of glycation and antioxidants in aging are in progress.

Publications

Faculty Members
Professor
Dr. Shamshad Zarina (Director)

Assistant Professors
Dr. Shamim Mushtaq
Dr. Skinader Azam

Senior Research Assistant
Dr. Zehra Hashim

Further Enquiries
Telephone: 021-34656511
Email: ncp@uok.edu.pk
Website: http://www.ncp-uok.edu.pk