



**Neil L. Kelleher, PhD**

Walter and Mary E. Glass Professor of Molecular Biosciences; Professor of Chemistry; Professor of Medicine (Hematology & Oncology), Feinberg School of Medicine; Director, Chemistry of Life Processes Institute; Director, Northwestern Proteomics Northwestern University

Neil L. Kelleher, PhD, is the director of the 50-person Proteomics Center of Excellence, the director of the Chemistry of Life Processes Institute, and a member of the Robert H. Lurie Comprehensive Cancer Center of Northwestern University. His research is focused on the areas of top-down proteomics, natural product discovery, and cancer biology.

Neil and his team drive both technology development and applications of very high-performance mass spectrometry in proteomics and metabolomics. For bacteria and fungi, new platforms now feed compounds from the natural world into pharmaceutical pipelines. In proteomics, Neil has emerged as a leading voice in calling for an analog of the Human Genome Project applied to human proteins. This effort is called the Human Proteoform Project and has recently been endorsed by research consortia. Neil is a serial entrepreneur with experience in spinning out four small companies, including a software shop providing the leading search engine used in >1,500 labs for “top-down proteomics”. His contributions to the fields of proteomics and natural products chemistry have been recognized by multiple awards, including the Biemann Medal from the American Society for Mass Spectrometry, the Pfizer Award in Enzyme Chemistry from the American Chemical Society, a Searle Scholar Award, a Packard Fellowship, and the Allen Distinguished Investigator Award.

Basic metrics for the Kelleher academic operation are H-factor ~75; >350 total publications; 50 Ph.D. students; >150 postdoctoral trainees.

Website: [www.kelleher.northwestern.edu](http://www.kelleher.northwestern.edu)