

Editorial focus on the current MCP Mission Statement and Scope

As a follow-up to our editorial of January 2018, we have updated the MCP Mission Statement and Scope to 1) re-emphasize our interest in advancing technological and computational tools, and 2) to provide clarification of our new interest in metabolomics that are supportive and complementary to our primary focus on deciphering and understanding the nature and functions of proteins of all living systems.

REVISED MISSION STATEMENT

The mission of MCP is to foster the development and applications of proteomics in both basic and translational research. MCP will publish manuscripts that report significant new biological or clinical discoveries underpinned by proteomic observations across all kingdoms of life. Manuscripts must define the biological roles played by the proteins investigated or their mechanisms of action.

The journal also emphasizes articles that describe innovative new computational methods and technological advancements that will enable future discoveries. Manuscripts describing such approaches do not have to include a solution to a biological problem, but must demonstrate that the technology works as described, is reproducible and is appropriate to uncover yet unknown protein/proteome function or properties using relevant model systems or publicly available data.

Scope of the Journal

- Fundamental studies in biology, including integrative “omics” studies, that provide mechanistic insights
- Novel experimental and computational technologies
- Proteogenomic data integration and analysis that enable greater understanding of physiology and disease processes
- Pathway and network analyses of signaling that focus on the roles of post-translational modifications
- Studies of proteome dynamics and quality controls, and their roles in disease
- Studies of evolutionary processes effecting proteome dynamics, quality and regulation
- Chemical proteomics, including mechanisms of drug action
- Proteomics of the immune system and antigen presentation/recognition
- Microbiome proteomics, host-microbe and host-pathogen interactions, and their roles in health and disease
- Clinical and translational studies of human diseases
- Metabolomics to understand functional connections between genes, proteins and phenotypes

Al Burlingame, Steve Carr and Anne-Claude Gingras.