

***Protein Science* Aims and Scope**

Protein Science is the flagship journal of The Protein Society. The mission of the journal is to serve the international Society membership and the broader community of protein scientists by providing a professionally published journal edited by working scientists. *Protein Science* efficiently disseminates rigorous research results, emerging methods, and expert opinions throughout the research community. *Protein Science* provides excellent author support and open-access publication options. All content is free to all Protein Society members, accessible to a broad base of subscribers worldwide, and free to the entire world after 12 months.

Protein Science publishes original reports on all scientific aspects of protein molecules. The journal publishes papers by leading scientists from around the world that report on advances in the understanding of proteins in the broadest sense. *Protein Science* aims to unify fields by cutting across established disciplinary lines and focusing on “protein-centered” science.

The scope of the journal encompasses the structure, function, and material properties of proteins, their physical chemistry, their roles in molecular and cell biology, their regulation and mechanisms of action, and their evolution. Topics of particular interest include, but are not limited to:

- Structure of proteins and strategies for determining protein structure
- Protein folding, stability, and dynamics
- Protein design
- Protein evolution
- Enzyme action and regulation
- Allostery and cooperativity
- Chaperones and molecular machines
- Membrane proteins
- Protein assemblies and materials
- Protein synthesis, trafficking, sorting, and degradation
- Interactions of proteins with nucleic acids, lipids, ligands, and other proteins
- Receptor-mediated signal transduction and other trans-membrane phenomena
- The functions of proteins in replication, supramolecular assembly, immune reactions, development, and other biological processes

The journal also publishes work involving approaches and methodologies in protein science including but not limited to:

- X-ray crystallography, cryo-EM, NMR, SAXS, AFM
- Super-resolution microscopy
- Mass spectrometry and proteomics
- Computational analysis of proteins, including bioinformatics, structure prediction, computational design, and molecular dynamics
- Chemical biology
- Single-molecule methods
- Novel expression and purification strategies
- Library screening

Protein Science publishes full-length original research papers as well as reviews and book reviews. Recollections (by invitation only) are historical reviews that are intended to give an overview of how a particular topic in the science of proteins has developed. A special section, *For the Record*, features brief refereed reports of recent developments in the field (e.g., this section may report a new protein structure and/or function). Reviews (by invitation only) are intended to familiarize the general reader with the current status and future trends of rapidly evolving topics of current interest. Special topics issues are published two to three times per year and include an annual issue focused on *Tools in Protein Science*. Other topical issues focus on a particular area of protein science and are guest-edited by a leader in that particular area. Papers in special topics issues are often reviews, but can also be primary research articles.