

A WORLD-CLASS, CONCISE GUIDE TO ALL THINGS PROTEOMICS

This book provides a highly authoritative introduction to the promising and fast-advancing field of proteomics, examining the role proteomics plays in the study of biological systems in general and disease in particular. It helps readers understand the structure, function, and interactions of proteins and how this knowledge is used for identifying diseases and developing new drugs.

Nawin Mishra, a world-renowned speaker and leader in proteomics studies who has worked with the late Nobel Laureate E. L. Tatum when proteomics was in its infancy, offers an expert perspective on the entire field, including:

- Easily accessible overview of the principles of proteomics
- Coverage of real-world, cutting-edge medical applications, including personalized medicine
- Clear guidelines on how to operate the complex instrumentation involved in proteomics
- Discussion of the future of proteomics

Complete with handy study questions and assuming only a basic understanding of biology, *Introduction to Proteomics* is an invaluable reference for novices and research scientists alike.



NAWIN C. MISHRA, PhD, is an Emeritus Professor of Molecular Genetics and Genomics at the Department of Biological Sciences at the University of South Carolina. Professor Mishra has also served as a scientific consultant to the FAO of the United Nations, as Chairman of the Program Committee of the Genetics Society of America, and on the review panel of the Human Genome Project for the United States DOE. Professor Mishra has published over sixty articles in prominent research journals, including *Nature*, the *Proceedings of the United States National Academy of Sciences*, and *Genetics*.

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