



Introduction to Experimental Biophysics: Biological Methods for Physical Scientists

Jay Nadeau

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Increasing numbers of physicists, chemists, and mathematicians are moving into biology, reading literature across disciplines, and mastering novel biochemical concepts. To succeed in this transition, researchers must understand on a practical level what is experimentally feasible. The number of experimental techniques in biology is vast and often specific to particular subject areas; nonetheless, there are a few basic methods that provide a conceptual underpinning for broad application. **Introduction to Experimental Biophysics** is the ideal benchtop companion for physical scientists interested in getting their hands wet.

Assuming familiarity with basic physics and the scientific method but no previous background in biology or chemistry, this book provides:

- A thorough description of modern experimental and analytical techniques used in biological and biophysical research
- Practical information and step-by-step guidance on instrumentation and experimental design
- Recipes for common solutions and media, lists of important reagents, and a glossary of biological terms used

Developed for graduate students in biomedical engineering, physics, chemical engineering, chemistry, mathematics, and computer science, **Introduction to Experimental Biophysics** is an essential resource for scientists to overcoming conceptual and technical barriers to working in a biology wet lab.



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