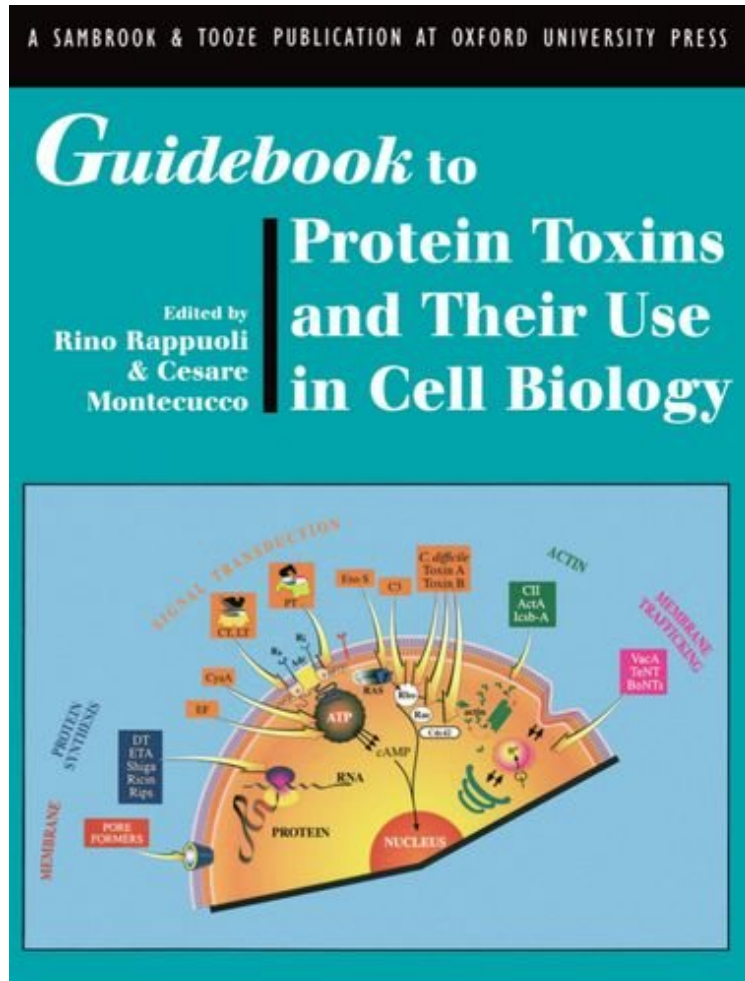


# Guidebook to Protein Toxins and Their Use in Cell Biology (Sambrook Tooze Guidebook Series)

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#3541807 in Books Rino Rappuoli 1997-07-31 Original language: English PDF # 1 9.69 x .67 x 7.381, 1.70  
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78.Mb

From Rino Rappuoli : **Guidebook to Protein Toxins and Their Use in Cell Biology (Sambrook Tooze Guidebook Series)** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Guidebook to Protein Toxins and Their Use in Cell Biology (Sambrook Tooze Guidebook Series):

Many bacteria, animals, and plants produce toxins that can prove lethal to other organisms. Toxins are a form of "biological warfare" that helps their producer to survive and so confer an evolutionary advantage. They display an extraordinary range of complexity, from the formic acid provided by ants to bacterial proteins composed of thousands

of amino acids. This Guidebook considers the more complex protein and peptide toxins and groups them according to their mode of action. Topics covered include: membrane-permeabilizing toxins; toxins affecting signal transduction and protein synthesis; cytoskeleton-affecting toxins; toxins affecting the immune and inflammatory response. This class of biomolecules will be of interest to a wide range of researchers in cell biology, neuroscience, and toxicology.

The authors have concisely compiled structure, function, and toxicity data for 78 protein toxins in a unique, accessible format that allows cell biologists to learn how protein toxins have aided in the dissection of cellular processes. -- Journal of Chemical Education"Both our understanding of the actions of protein toxins and their uses as tools in cell biology have undergone an explosion in recent years. It almost seems that there is now a toxin to disrupt every aspect of cell metabolism. This volume is composed of short (1 to 3 page) summaries on the mechanism of action and uses of over 75 different protein toxins. It will be an invaluable reference for biological sciences and medical school libraries. Given the rapid pace of progress in this area, an additional attraction of this work is that updated information will be available on the World Wide Web."--The Quarterly of BiologyAbout the AuthorRino Rappuoli is at Istituto Richerche Immunobiologiche Siena, Siena. Cesare Montecucco is at Istituto di Patalogia Generale, Universita di Padova.