

CONTENTS

Preface	ix
Byron Goldstein and Carla Wofsy	
Mathematical questions in axonal transport	1
Michael C. Reed and Jacob J. Blum	
Curvature segregation of proteins in the Golgi	23
Eric Odell and George Oster	
Measurements of molecular transport in small systems	37
Elliot L. Elson and Hong Qian	
On peeling an adherent cell from a surface	51
Micah Dembo	
Toward quantifying the activation of helper T lymphocytes by antigen presenting cells	79
Jennifer J. Linderman, Nancy G. Berry, and Debra F. Singer	
Aggregation of cell surface receptors	109
Byron Goldstein and Carla Wofsy	