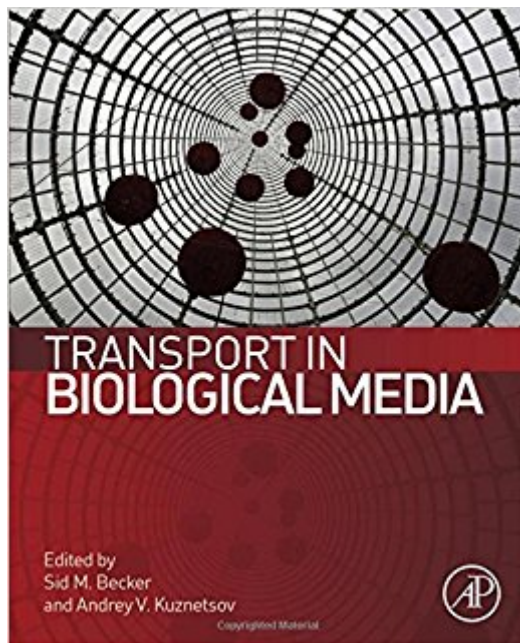


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# Transport In Biological Media



## Synopsis

Transport in Biological Media is a solid resource of mathematical models for researchers across a broad range of scientific and engineering problems such as the effects of drug delivery, chemotherapy, or insulin intake to interpret transport experiments in areas of cutting edge biological research. A wide range of emerging theoretical and experimental mathematical methodologies are offered by biological topic to appeal to individual researchers to assist them in solving problems in their specific area of research. Researchers in biology, biophysics, biomathematics, chemistry, engineers and clinical fields specific to transport modeling will find this resource indispensable. Provides detailed mathematical model development to interpret experiments and provides current modeling practices Provides a wide range of biological and clinical applications Includes physiological descriptions of models

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## Customer Reviews

"Transport in Biological Media. Edited by Sid M. Becker and Andrey V. Kuznetsov. Academic Press. Amsterdam (The Netherlands) and Boston (Massachusetts): Elsevier. \$149.95. xiii 559 p.; ill.; index. ISBN: 978-0-12-415824-5. 2013." - The Quarterly Review of Biology, September 2014 "Biochemists and biochemical engineers present interdisciplinary modeling strategies and theoretical tools that are used to understand the diverse phenomena associated with transport within biological media."--Reference and Research Book News, August 2013

Dr. Becker is a Senior Lecturer in the Department of Mechanical Engineering at the University of Canterbury. He is an Alexander von Humboldt Fellow and is a recipient of the Royal Society's Marsden Grant. He has held academic positions in Germany, the United States, and New Zealand. His research is primarily in computational and analytical modelling of heat and mass transfer processes in biological media. Dr. Becker is also the co-editor of the previous two books: Heat Transfer and Fluid Flow in Biological Processes (2015) and Transport in Biological Media (2013).

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