



## Microfluidics for Biotechnology, Second Edition

By Jean Berthier, Pascal Silberzan

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The application of microfluidics to biotechnology is an exciting new area that has already begun to revolutionize how researchers study and manipulate macromolecules like DNA, proteins and cells in vitro and within living organisms. Now in a newly revised and expanded second edition, the Artech House bestseller, "Microfluidics for Biotechnology" brings professionals and students to the cutting edge of this burgeoning field. Featuring numerous updates and including three entirely new chapters, this book provides a detailed look at the mechanical behavior of the different types of micro/nano particles and macromolecules that are used in biotechnology. Engineers and laboratory researchers involved with the conception and design of bio-tech microdevices, as well as graduate and post-graduate students in related courses.

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### **About the Author**

Jean Berthier is a scientist at CEA/LETI and teaches at the University of Grenoble. He holds a masters degree in mathematics from the University of Grenoble and both an engineers and masters degree in fluid mechanics from the Institut National Polytechnique. Pascal Silberzan is a senior scientist at the Physico-Chimie Curie Laboratory, a joint laboratory of the Centre National of the Recherche Scientifique and the Institut Curie in Paris. He received his Ph.D. from the College of France and the University Paris 6.

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