

Humana

1st  
edition1st ed. 2019, XI, 248 p. 66  
illus., 54 illus. in color.**Printed book**

Hardcover

**Printed book**

Hardcover

ISBN 978-1-4939-9573-8

\$ 199,99

Available

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Professional Books (2)

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## Life Sciences : Stem Cells

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# Stem Cell Mobilization

**Methods and Protocols**

- Includes cutting-edge techniques
- Provides step-by-step detail essential for reproducible results
- Contains key implementation advice from the experts

This book provides detailed state-of-the-art protocols for analyzing individual aspects of stem cell mobilization at the molecular and cellular level with contributions encompassing the most recent technological developments. Specifically, the volume covers cell adhesion and migration assays in three-dimensional models, imaging techniques for the determination of blood flow or hypoxic status, innovative biomechanical studies of stem cells, and assays to determine the involvement of proteases or complement factors, as well as other key topics. Written for the highly successful Methods in Molecular Biology series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, Stem Cell Mobilization: Methods and Protocols is an ideal guide for all laboratories in their endeavors to decipher the mechanisms of stem cell mobilization, ultimately helping stem cell donors and patients around the world.

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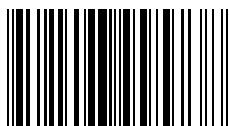
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