



Humana

1st
edition1st ed. 2018, XIII, 488 p.
95 illus., 68 illus. in color.**Printed book**

Hardcover

Printed book

Hardcover

ISBN 978-1-4939-7648-5

\$ 139,00

Available

Discount group

Professional Books (2)

Product category

Contributed volume

Series

Methods in Molecular Biology

Other renditions

Softcover

ISBN 978-1-4939-9254-6

Life Sciences : Cell Biology

Monje, Paula V., Kim, Haesun A. (Eds.)

Schwann Cells

Methods and Protocols

- Include cutting-edge methods and protocols
- Provides step-by-step detail essential for reproducible results
- Contains key notes and implementation advice from the experts

This volume presents an assortment of traditional and emerging experimental procedures relevant to Schwann cell research. The chapters are divided into four parts. Part I contains protocols for in vitro culture, purification, and characterization of primary Schwann cells from diverse species and stages of nerve development. It also contains protocols to create cancer cell lines and engineered Schwann cells from unconventional sources via chemical conversion, induced differentiation or genetic intervention. Parts II and III outline a wide range of methodologies used to study Schwann cells within in vitro and in vivo systems relevant to the analysis of peripheral nerve development, cancer, axon degeneration/regeneration, and myelination. Last but not least, part IV outlines protocols for Schwann cell production, collection, labeling and transplantation in the injured peripheral nerve and spinal cord of experimental animals and human subjects. Authoritative and practical, Schwann Cells: Methods and Protocols aims to aid both experienced and new investigators to make progress in their research endeavors involving Schwann cells.

Order online at springer.com/book sellers**Springer Nature Customer Service Center LLC**

233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

customerservice@springernature.com

ISBN 978-1-4939-7648-5 / BIC: PSF / SPRINGER NATURE: SCL16008

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**