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[Extracellular RNA: Methods and Protocols 1st ed. 2018 Edition](#)

"Extracellular RNA: Methods and Protocols," edited by John D. MacKenzie, is an essential resource for researchers and practitioners in the rapidly evolving field of extracellular RNA (exRNA) research. Published by Springer in 2018, this first edition presents a comprehensive collection of advanced methodologies aimed at isolating, characterizing, and analyzing exRNAs, which are crucial for understanding intercellular communication and various physiological processes. The book addresses significant challenges faced by scientists working with exRNAs and offers a detailed exploration of diverse techniques, ranging from extraction methods to high-throughput sequencing and bioinformatics analysis. By providing step-by-step protocols, in-depth discussions, and practical tips, this volume serves as both a foundational guide for novices and an advanced reference for seasoned researchers. The contributions from leading experts in the field ensure that the protocols are not only reliable but also adaptable to diverse experimental settings. Whether you are studying exRNA's role in disease, biomarker discovery, or therapeutic applications, this book is an indispensable addition to your laboratory toolkit. With its thorough approach and clear explanations, "Extracellular RNA: Methods and Protocols" aims to facilitate the progress of exRNA research and enhance the understanding of its implications in health and disease. For anyone looking to delve into this fascinating area of molecular biology, this book stands out as a pivotal reference. The ISBN for this valuable resource is 978-1493972234, making it easily accessible for those seeking to expand their knowledge and expertise in extracellular RNA methodologies.