



proteomes



Special Issue Reprint

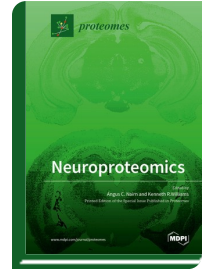
Neuroproteomics

www.mdpi.com/books/reprint/2022

Edited by

Angus C. Nairn

Kenneth R. Williams



ISBN 978-3-03928-106-0 (Softback)

ISBN 978-3-03928-107-7 (PDF)

The Neuroproteomics Special Issue overviews the unique challenges that must be addressed to carry out meaningful MS/proteomics analyses on neural tissues and the technologies that are available to meet these challenges. The articles on Alzheimer's disease, addiction, and schizophrenia illustrate how MS/proteomics technologies can be used to improve our ability to diagnose and understand the molecular basis for neurological diseases. Several articles will be of interest to investigators beyond the field of neurological disorders. The review on the discovery of biofluid biomarkers of neurodegenerative dementias will be of interest to investigators searching for other disease biomarkers. Similarly, the review on the role of neuroproteomics in elucidating mechanisms of drug addiction provides an overview of the utility of MS/proteomics approaches for addressing critical questions in addiction neuroscience that should be applicable to investigators involved in virtually any area of biomedical research. Likewise, the article on developing targeted MS approaches for quantifying postsynaptic density proteins will be useful for any investigator who wishes to design targeted assays for virtually any protein. Finally, the peroxidase-mediated proximity labeling technology, described in the article on mapping the proteome of the synaptic cleft, will be of interest to investigators interested in mapping other spatially restricted proteomes.



Order Your Print Copy

You can order print copies at

www.mdpi.com/books/reprint/2022

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.