Proteomics

Targeted Technology, Innovations and Applications

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Published: September 2014 (book); August 2014 (ebook). **Pages:** x + 186
Book: ISBN 978-1-908230-46-1 £159, $319. **Ebook:** ISBN 978-1-908230-62-1 £159, $319
Published by: Caister Academic Press www.caister.com

Targeted proteomics is a technology for detecting proteins of interest with high sensitivity, quantitative accuracy and reproducibility. The analysis of a pre-defined group of proteins provides precise, quantitative and sensitive data to scientists and clinicians and can provide information on a subset of proteins important for their biological function.

In this book a panel of high-profile authors provides an overview of targeted proteomics in biomedical science. The book is focused on current, state-of-the-art technology and applications and is a valuable source of information for everyone working in this field. The first part of the book provides detailed examples of the application of targeted proteomics in biomarker discovery and pathogenesis. The second part is focused on the various tools used in targeted proteomics including bioinformatics approaches while the final section is dedicated to biobanks, a vital aspect of targeted proteomics.

This volume is highly recommended for anyone interested in proteomics, disease pathogenesis, clinical protein science and biomarker discovery.

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