

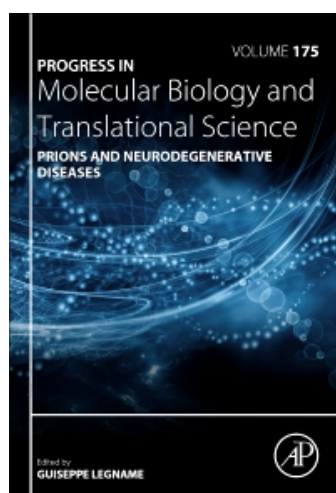
BOOK NEWS from Elsevier

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複数の編集者がチームで担当し、年に最低1冊以上発行されるジャーナルを補完する必須文献です。共通の特性を持つトピックのさまざまな面に重点を置き、ジャーナルより長い記述でテーマを掘り下げたり、成熟した研究分野の権威ある情報を集め、手法について参照しやすくまとめています。

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Progress in Molecular Biology and Translational Science

ISSN: 1877-1173

E-ISSN: 1878-0814

Series Editor:

David B. Teplow Ph.D., Professor Emeritus, Department of Neurology, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA

第一線で活躍する研究者によるレビューを多数掲載する生物化学分野における金字塔。1963年創刊。

*旧タイトル:

Progress in Nucleic Acid Research and Molecular Biology (ISSN: 0079-6603、1963~2008)

Progress in Molecular Biology and Translational Science (PMBTS) provides in-depth reviews on topics of exceptional scientific importance. If today you read an Article or Letter in Nature or a Research Article or Report in Science reporting findings of exceptional importance, you likely will find comprehensive coverage of that research area in a future PMBTS volume. Each volume is edited by an internationally recognized expert who selects contributors at the forefront of a field. Because PMBTS publishes 8 volumes each year, the serial covers a broad range of topics on a timely basis.

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Praise for the Series: "Maintains the tradition and set-up of the previous volumes and certainly provides up-to-date data on varied aspects of cytology... a valuable acquisition to any library." - THE NUCLEUS

Upcoming / Recent Volumes

2020 刊行

Volume 176: The Microbiome

Coming Soon

Editor: Lora Kasseleman

eBppk ISBN: 9780128207987 Hardcover ISBN: 9780128207970

The Microbiome, Volume 176 assembles known facts and provides guidance for their implementation on topics relating to associations between the gut microbiome and personality traits, depression, anxiety, autism, schizophrenia, cognition, dementia and neurodegeneration. Additionally, this volume considers the influence of the maternal microbiome on brain development, with chapters covering Intervention, prevention, and the brain: prebiotics, probiotics, and fecal transplants, The microbiota-gut-brain axis: focus on the fundamental communication pathways, and Microbiome composition and locations.

Upcoming / Recent Volumes

2020 年刊行

Volume 175: Autophagy in health and disease **Coming Soon**

Serial Volume Editor: Lorenzo Galluzzi & Aitziber Buqué Martínez

eBook ISBN: 9780128220221 Hardcover ISBN: 9780128220214

Prions and Neurodegenerative Diseases, Volume 172, in the Progress in Molecular Biology and Translational Science series, provides the most topical, informative and exciting monographs available on a wide variety of research topics. The series includes in-depth knowledge on the molecular biological aspects of organismal physiology, with this release including chapters on Cell-free amplification of prions: where do we stand? Transgenic mouse models for the study of prion diseases and much more.

Volume 174: Dancing protein clouds: Intrinsically disordered proteins in health and disease, Part B

Serial Volume Editor: Vladimir Uversky

eBook ISBN: 9780128226049 Hardcover ISBN: 9780128226155

Dancing Protein Clouds: Intrinsically Disordered Proteins in Health and Disease, Part B, represents a set of selected studies on a variety of research topics related to intrinsically disordered proteins. Topics in this update include structural and functional characterization of several important intrinsically disordered proteins, such as 14-3-3 proteins and their partners, as well as proteins from muscle sarcomere; representation of intrinsic disorder-related concept of protein structure-function continuum; discussion of the role of intrinsic disorder in phenotypic switching; consideration of the role of intrinsically disordered proteins in the pathogenesis of neurodegenerative diseases and cancer; discussion of the roles of intrinsic disorder in functional amyloids; demonstration of the usefulness of the analysis of translational diffusion of unfolded and intrinsically disordered proteins; consideration of various computational tools for evaluation of functions of intrinsically disordered regions; and discussion of the role of shear stress in the amyloid formation of intrinsically disordered regions in the brain.

Volume 173: Autism

Serial Volume Editors: Mirolyuba Ilieva and Way Kwok-Wai Lau

eBook ISBN: 9780128212431 Hardcover ISBN: 9780128212424

Autism, Volume 173 in the Progress in Molecular Biology and Translational Science series, provides the most topical, informative and exciting monographs available on a wide variety of research topics. Chapters in this new release include updates on atypical brain development in autism spectrum disorder, predicting early diagnosis of autism spectrum disorder using neural and behavioral measures, the roles of the endocannabinoid system in autism spectrum disorder, the neurobiology of sensory processing in autism spectrum disorder, the effects of oxytocin administration on individuals with ASD, resting-state abnormalities of posterior cingulate in autism spectrum disorder, and more.

Volume 172: Prions and neurodegenerative diseases

Serial Volume Editor: Guiseppe Legname

eBook ISBN: 9780128200032 Hardcover ISBN: 9780128200025

Autophagy in Health and Disease, Volume 175 presents the latest insights from renowned experts in the field who discuss the key role of autophagic responses in the preservation of cellular and organismal homeostasis and how defects in the molecular apparatus for autophagy drive or accompany disease. Specific chapters in this new release include Crosstalk between autophagy and cell death signaling: mechanisms and therapeutic relevance, C. elegans to model autophagy-related human disorders, Autophagy in Kidney Disease: advances and therapeutic potential, Autophagy in Chronic Lung Disease, Autophagy in motoneuronal disorders, Strategies employed by viruses to manipulate autophagy, and much more.

Volume 171: The Microbiome in health and disease

Serial Volume Editor: Jun Sun

eBook ISBN: 9780128200018 Hardcover ISBN: 9780128200001

The Microbiome in Health and Disease, Volume 171 in the Progress in Molecular Biology and Translational Science series, provides the most topical, informative and exciting monographs available on a wide variety of research topics.

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