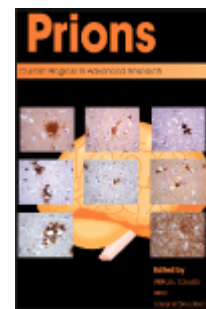


Prions

Current Progress in Advanced Research



Edited by: Akikazu Sakudo and Takashi Onodera

*Laboratory of Biometabolic Chemistry, School of Health Sciences, University of the Ryukyus, Okinawa, Japan
Research Center for Food Safety, The University of Tokyo, 1-1-1 Yayoi, Tokyo, Japan*

Published: August 2013 (book); October 2013 (ebook). **Pages:** viii + 134

Book: ISBN 978-1-908230-24-9 £120, \$240. **Ebook:** ISBN 978-1-908230-89-8 £120, \$240

Published by: Caister Academic Press www.caister.com

Prions are infectious, self-propagating proteinaceous agents that cause fatal neurodegenerative diseases, including Creutzfeldt-Jakob Disease (CJD) in humans, scrapie in sheep and goats, and bovine spongiform encephalopathy (BSE) in cattle. In recent years great strides have been made in our understanding of the mechanism of prion propagation and neurotoxicity, however much remains to be discovered. A better understanding of the cell biology of the prion protein is essential for this and to allow the development of novel anti-prion strategies.

In this book, renowned prion experts review the most recent advances to provide a timely and up-to-date overview of the field. Topics covered include: prion proteins (PrP) and their family members; PrP function; molecular mechanisms of prion diseases; immunological strategies for the prevention and treatment of prion disease; microglial inflammation and prion diseases; methods for prion inactivation; clinical aspects of CJD; the BSE and scrapie prions; chronic wasting disease; future strategies for the prevention and treatment of prion diseases. The book closes with a look to the future of prion research. Essential reading for everyone with an interest in prions and prion diseases. A recommended book for all biology, veterinary and medical libraries.

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