

REVIEWS IN THE NEUROSCIENCES

EDITOR-IN-CHIEF

Joseph P. Huston, *Düsseldorf*

ASSOCIATE EDITOR

Bianca Topic, *Düsseldorf*

EDITORIAL BOARD

Hojjat Adeli, *Columbus, OH*

Gyorgy Buzsaki, *New York, NY*

Jacqueline N. Crawley, *Bethesda, MD*

Tim J. Crow, *Headington*

Paul E. Gold, *Champaign, IL*

Florian Holsboer, *Munich*

Carsten Korth, *Düsseldorf*

Jay-Shake Li, *Taiwan*

Gert Lubec, *Vienna*

Claudia Mattern, *Emmetten*

Bruce S. McEwen, *New York, NY*

Weihong Pan, *Baton Rouge, LA*

Mikhail V. Pletnikov, *Baltimore, MD*

Trevor W. Robbins, *Cambridge*

Alfons Schnitzler, *Düsseldorf*

Charles F. Stevens, *La Jolla, CA*

Oswald Steward, *Irvine, CA*

John Q. Trojanowski, *Philadelphia, PA*

DE GRUYTER

ABSTRACTED/INDEXED IN AGRICOLA (National Agricultural Library) · Baidu Scholar · Cabell's Whitelist · Case · Chemical Abstracts Service (CAS): CAPlus; SciFinder · CNKI Scholar (China National Knowledge Infrastructure) · CNPIEC: cnpLINKer · Dimensions · EBSCO (relevant databases) · EBSCO Discovery Service · Embase · Gale/Cengage · Genamics JournalSeek · Google Scholar · Japan Science and Technology Agency (JST) · J-Gate · Journal Citation Reports/Science Edition · JournalGuide · JournalTOCs · KESLI-NDSL (Korean National Discovery for Science Leaders) · Medline · Meta · Microsoft Academic · MyScienceWork · Naviga (Softweco) · Norwegian Register for Scientific Journals, Series and Publishers · Pathway Studio · Primo Central (ExLibris) · ProQuest (relevant databases) · PsycINFO · Publons · PubMed · QOAM (Quality Open Access Market) · ReadCube · Reaxys · SCImago (SJR) · SCOPUS · Semantic Scholar · Sherpa/RoMEO · Summon (ProQuest) · TDNet · Text Mining · Ulrich's Periodicals Directory/ulrichsweb · WanFang Data · Web of Science: BIOSIS Previews; BIOSIS Reviews Reports and Meetings; Science Citation Index Expanded · WorldCat (OCLC)

The publisher, together with the authors and editors, has taken great pains to ensure that all information presented in this work (programs, applications, amounts, dosages, etc.) reflects the standard of knowledge at the time of publication. Despite careful manuscript preparation and proof correction, errors can nevertheless occur. Authors, editors and publisher disclaim all responsibility for any errors or omissions of liability for the results obtained from use of the information, or parts thereof, contained in this work.

The citation of registered names, trade names, trademarks, etc. in this work does not imply, even in the absence of a specific statement, that such names are exempt from laws and regulations protecting trademarks etc. and therefore free for general use.

ISSN 0334-1763 · e-ISSN 1607-8470

All information regarding notes for contributors, subscriptions, Open access, back volumes and orders is available online at www.degruyter.com/revneuro

RESPONSIBLE EDITORS Dr. Joseph P. Huston, Center for Behavioral Neuroscience, University of Düsseldorf, Universitätsstraße 1, 40225 Düsseldorf, Germany, e-mail: jph@uni.duesseldorf.de

PUBLISHER Walter de Gruyter GmbH, Berlin/Boston, Genthiner Straße 13, 10785 Berlin, Germany

JOURNAL MANAGER Dr. Torsten Krüger, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany, Tel.: +49 (0)30 260 05 – 176, Fax: +49 (0)30 260 05 – 298, e-mail: rev.neurosci.editorial@degruyter.com

RESPONSIBLE FOR ADVERTISEMENTS Kevin Göthling, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany. Tel.: +49 (0)30.260 05-170, e-mail: anzeigen@degruyter.com

© 2021 Walter de Gruyter GmbH, Berlin/Boston, Germany

TYPESETTING TNQ Technologies, Chennai, India

PRINTING Franz X. Stückle Druck und Verlag e.K., Ettenheim

COVER ILLUSTRATION Hemera / Thinkstock



Contents

Yi Sun and Xiping Sun

Exploring the interstitial system in the brain: the last mile of drug delivery — 363

Asiamah Ernest Amponsah, Ruiyun Guo, Desheng Kong, Baofeng Feng, Jingjing He, Wei Zhang, Xin Liu, Xiaofeng Du, Zhenhuan Ma, Boxin Liu, Jun Ma and Huixian Cui

Patient-derived iPSCs, a reliable *in vitro* model for the investigation of Alzheimer's disease — 379

Harish Iyer, Abhipradnya B. Wahul, Annapoorna P. K., Bharvi S. Sawant and Arvind Kumar

A BRD's (BiRD's) eye view of BET and BRPF bromodomains in neurological diseases — 403

Dian Eurike Septyaningtrias and Rina Susilowati

Neurological involvement of COVID-19: from neuroinvasion and neuroimmune crosstalk to long-term consequences — 427

Jian Wang, Ye Hong, Mengmeng Ma, Muke Zhou, Jian Guo, Ning Chen, Jinghuan Fang, Wanping Liu, Yang Zhang, Lizhang Chen, Nanya Hao, Yi Wang, Dong Zhou and Li He

Mitigating the impact of coronavirus disease 2019 on emergency stroke care: an original study and meta-analysis — 443