

Editorial

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This special issue of the *Journal of Neural Transmission* is a collection of original research results as well as reviews of new developments in the field of interdisciplinary neuroscience dedicated to Peter Riederer. The issue covers neurodegenerative diseases as well as psychiatric disorders and their models discussing the role of iron and energy metabolism, immunological and degenerative processes, stem cells and prospects for neuroprotection and neuroregeneration as well as the development of new pharmacological strategies. This special issue was conceived as a celebration of the work of Professor Peter Riederer, Professor of Clinical Neurochemistry in the Department of Psychiatry, Psychosomatics and Psychotherapy at the University Hospital Würzburg, Germany, at the occasion of his 70th birthday. Many of Peter's colleagues have contributed manuscripts to this issue. The broad range of topics

demonstrates the interdisciplinary nature of the work in which Peter Riederer has been and still is involved.

Peter Riederer has authored over 900 scientific manuscripts, a body of work which has contributed much to our understanding of the aetiology and possible new treatment strategies for Parkinson's disease (PD) and Alzheimer's disease (AD), depression, schizophrenia and many more. Recently, Peter Riederer was listed in the top-100 list of the most prolific AD investigators from 1 January 1985 to 21 April 2008 with more than 180 original publications in PubMed (Sorensen 2009). Similarly, he was listed in a more recent review of productivity and impact of the top-100 cited PD investigators since 1985, with 159 original publications in PubMed (Sorensen and Weedon 2011). His great impact on these two fields of research is well-documented by this, but it is obvious, that his work has a great impact also on other fields of interdisciplinary neuroscience, be they basic, translational or clinical.

This fact is represented well in this special issue with contributions from many of his collaborators and friends not only from various fields of neuroscience, but also from all over the world such as M. van den Buuse (Australia), P. Halley (Australia), G. Münch (Australia), K. Jellinger (Austria), P. Fischer (Austria), W.D. Lee (China), Z. Lackovic (Croatia), M. Salkovic-Petrisic (Croatia), A.J. Fallgatter (Germany), J. Deckert (Germany), P. Falkai (Germany), A. Schmitt (Germany), E. Koutsilieri (Germany), A. Brunbauer (Germany), M. Romanos (Germany), A. Warnke (Germany), G. Laux (Germany), G. Bagdy (Hungary), L. Hunyady (Hungary), S.A. Mandel (Israel), O. Weinreb (Israel), M.B.H. Youdim (Israel), W. Maruyama (Japan), T. Nagatsu (Japan), M. Naoi (Japan), T. Saito (Japan), E.C. Walters (Netherlands), S. Walitza (Switzerland), J. Jankovic (USA) and I. Bodis-Wollner (USA). This volume is thus intended to serve as a reference source for

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basic researchers and clinicians involved in interdisciplinary neuroscience and neuropsychiatry.

To his 70th birthday, we congratulate and thank Peter Riederer for his many valuable and ongoing contributions to interdisciplinary neuroscience. We wish him many more successful and fruitful years to come and in particular hope that he will continue to act as a mentor to young scientists many of whom he has lead to the level of Associate Professors and even further (Koutsilieri E, Double K and Grünblatt E). We thank all those who contributed their work to this volume, the managing editor Christian Riederer and Springer Publisher, Vienna, New York.

Manfred Gerlach and Jürgen Deckert (Würzburg, 2012)
Edna Grünblatt (Zürich, 2012)

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