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EDITORIAL

Recent perspectives in neurology

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This supplementum of the *Journal of Neural Transmission* is a collection of review articles demonstrating the advances in the field of clinical neurology over the last decades. This issue covers neurodegenerative diseases as well as neuroinflammatory, neurovascular and neuromuscular diseases up to stem-cell therapy and prospects for neuroprotection and neuroregeneration. This special issue is dedicated to the work of Professor Heinz Reichmann, Professor of Neurology at the Dresden University Clinic Carl Gustav Carus, Germany at the occasion of his 60th birthday. Many of Professor Reichmann's colleagues have contributed manuscripts to this issue. The broad range of topics demonstrates the fascination of clinical neurology which was brought to Dresden by Professor Reichmann in the last 17 years.

Professor Reichmann is the Professor of Neurology and Dean of the Medical Faculty at Dresden University of Technology, Dresden, Germany. As well as being a member of numerous scientific societies, including The Movement Disorder Society (MDS), the European Neurological Society (ENS) and the American Academy of Neurology (AAN), he is a past President of the German Neurological Society (DGN) and the German Parkinson's Society (DPG), and currently serves as President of the ENS. He is member of numerous editorial boards such as of the *European Journal of Neurology*, the *Journal of Neural Transmission*, *Acta Myologica* and *Aktuelle Neurologie*. In 2010, he was honoured by becoming a Fellow of the Royal College of Physicians (FRCP).

Professor Reichmann′s research involves biochemical and genetic analyses of energy metabolism, particularly in neurodegenerative disorders such as Parkinson's disease as well as mitochondrial cytopathies (Reichmann et al. 1986, 1993; Reichmann 1988; Lestienne et al. 1990, 1991). He has published more than 280 original papers in peer-reviewed journals. In the recent years, he is following on numerous clinical aspects and the gut-to-brain hypothesis in the pathophysiology of Parkinson's disease (Pan-Montojo et al. 2010, 2012; Reichmann 2011; Haehner et al. 2009; Jost and Reichmann 2011). His work thus largely contributes to our current understanding of the involvement of mitochondrial function and dysfunction in the etiopathophysiology of various neurological diseases.

The extraordinary role of Professor Reichmann is represented well in this special issue with contributions from many of his collaborators and current team members in Dresden. This volume is thus intended to serve as a state of the art reference to demonstrate the fascination and advances of neurology and neuroscience in the last years.

We congratulate Heinz Reichmann on his 60th birthday and sincerely thank him for his many valuable and ongoing contributions to the scientific and political field of clinical neurology. We wish him many more successful and fruitful years to come. We thank all authors of this volume for their excellent contributions, as well as the managing editor, Christian Riederer, and Springer Publisher, Vienna, New York, for their help in publishing this special issue.

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