Contents

Changzheng Zhang, Peiling Zhou and Tifei Yuan
The cholinergic system in the cerebellum: from structure to function —— 769

Sana Javed, Ameema Tariq, Touqueer Ahmed, Barbara Budzyńska, Silvia Tejada, Maria Daglia, Seyed Fazel Nabavi, Eduardo Sobarzo-Sánchez and Seyed Mohammad Nabavi
Tanshinones and mental diseases: from chemistry to medicine —— 777

Jian-jiao Chen, Tao Wang, Cai-di An, Chun-yan Jiang, Jie Zhao and Shao Li
Brain-derived neurotrophic factor: a mediator of inflammation-associated neurogenesis in Alzheimer’s disease —— 793

Siew Ying Wong and Bor Luen Tang
SIRT1 as a therapeutic target for Alzheimer’s disease —— 813

Catherine Winsper, Steven Marwaha, Suzet Tanya Lereya, Andrew Thompson, Julie Eyden and Swaran P. Singh
A systematic review of the neurobiological underpinnings of borderline personality disorder (BPD) in childhood and adolescence —— 827

Nickolay K. Isaev, Elena V. Stelmashook, Elisaveta E. Genrikhs, Galina A. Korshunova, Natalya V. Sumbatyan, Marina R. Kapkaeva and Vladimir P. Skulachev
Neuroprotective properties of mitochondria-targeted antioxidants of the SkQ-type —— 849

Golrokh Mirzaei, Anahita Adeli and Hojjat Adeli
Imaging and machine learning techniques for diagnosis of Alzheimer’s disease —— 857

Golrokh Mirzaei and Hojjat Adeli
Resting state functional magnetic resonance imaging processing techniques in stroke studies —— 871