Mission statement: The goal of Neuro-Oncology is to provide the international neuro-oncology community with high-quality, rapid publication of information in all fields. The journal welcomes submissions from throughout the world and encourages the participation of neuro-oncologists in a wide array of subspecialties. Areas covered include, but are not limited to, biochemistry and biophysics, clinical neuro-oncology, clinical therapy trials, epidemiology, imaging, immunology, medical neuro-oncology, neuropathology, molecular genetics, pediatric neuro-oncology, preclinical experimental therapeutics, retrospective clinical studies, surgical neuro-oncology, and tumor biology. Published by Oxford University Press, Neuro-Oncology is the official journal for the Society for Neuro-Oncology (SNO), the Japan Society for Neuro-Oncology, the European Association for Neuro-Oncology, and the World Federation of Neuro-Oncology Societies.

Volume 15 | Number 11 November 2013

Editorial

Neuro-Oncology: Past Milestones and the Journey Ahead
W.K. Alfred Yung 1453

Letters to the Editor

Letter to the Editor
Kristin J. Redmond, E. Mark Mahone, and Alena Horska 1455

Reply to “Association between radiation dose to neuronal progenitor cell niches and temporal lobes and performance on neuropsychological testing in children: a prospective study” by Redmond et al.
Jesse C. Bledsoe and David Breiger 1456

Basic and Translational Investigations

Toll-like receptor 2 mediates microglia/brain macrophage MT1-MMP expression and glioma expansion
Katyayni Vinnakota, Feng Hu, Min-Chi Ku, Petya B. Georgieva, Frank Szulzewsky, Andreas Pohlmann, Sonia Waiczies, Helmar Waiczies, Thoralf Niendorf, Seija Lehnardt, Uwe-Karsten Hanisch, Michael Synowitz, Darko Markovic, Susanne A. Wolf, Rainer Glass, and Helmut Kettenmann 1457

Comparative drug pair screening across multiple glioblastoma cell lines reveals novel drug-drug interactions
Linnéa Schmidt, Teresia Kling, Naser Monsefi, Maja Olsson, Caroline Hansson, Sathishkumar Baskaran, Bo Lundgren, Ulf Martens, Maria Hägglund, Bengt Westermark, Karin Forsberg Nilsson, Lene Uhrbom, Linda Karlsson-Lindahl, Philip Gerlee, and Sven Neland 1469

The immune cell infiltrate populating meningiomas is composed of mature, antigen-experienced T and B cells

Overexpressed let-7a inhibits glioma cell malignancy by directly targeting K-ras, independently of PTEN
Xi-Rui Wang, Hui Luo, Hai-Lin Li, Lei Cao, Xie-Feng Wang, Wei Yan, Ying-Yi Wang, Jun-Xia Zhang, Tao Jiang, Chun-Sheng Kang, Ning Liu, and Yong-Ping You, Chinese Glioma Cooperative Group (CGCG) 1491

Temozolomide downregulates P-glycoprotein expression in glioblastoma stem cells by interfering with the Wnt3a/glycogen synthase-3 kinase/β-catenin pathway
Chiara Riganti, Iris Chiara Salaroglio, Valentina Caldera, Ivana Campia, Joanna Kopecka, Marta Mellai, Laura Annozvazzi, Amalia Bosia, Dario Ghigo, and Davide Schiffer 1502

Na⁺/K⁺-ATPase β2-subunit (AMOG) expression abrogates invasion of glioblastoma-derived brain tumor-initiating cells
Matthew Z. Sun, Joseph M. Kim, Michael C. Oh, Michael Saefae, Guruvinder Kaur, Aaron J. Clark, Orin Bloch, Michael E. Ivan, Rajwant Kaur, Taemin Oh, Shaun D. Fouse, Joanna J. Phillips, Mitchel S. Berger, and Andrew T. Parsa 1518

The cost-effectiveness of temozolomide in the adjuvant treatment of newly diagnosed glioblastoma in the United States
Andrew Messali, Joel W. Hay, and Reginald Villacorta 1532

Clinical Investigations

Neuropsychological functions and quality of life in survived patients with intracranial germ cell tumors after treatment
Shih-Yuan Liang, Tsui-Fen Yang, Yi-Wei Chen, Muh-Lii Liang, Hsin-Hung Chen, Kai-Ping Chang, Jian-Kai Shan, Ying-Sheue Chen, and Tai-Tong Wang 1543

Proton radiotherapy for pediatric central nervous system ependymoma: clinical outcomes for 70 patients
Shannon M. MacDonald, Rosahat Sethi, Beverly Lavally, Beow Y. Yeap, Karen J. Marcus, Paul Caruso, Margaret Pulsifer, Mary Huang, David Ebb, Nancy J. Tarbell, and Torunn I. Yock 1552

Detection of tumor progression in optic pathway glioma with and without neurofibromatosis type 1
John P. Kelly and Avery H. Weiss 1560

New validated prognostic models and prognostic calculators in patients with low-grade gliomas diagnosed by central pathology review: a pooled analysis of EORTC/ROG/NCCTG phase III clinical trials
Thierry Gorilla, Wenting Wu, Meihua Wang, Brigitte G. Baumert, Minesh Mehta, Jan C. Buckner, Edward Shaw, Paul Brown, Roger Stupp, Eavantha Galanis, Denis Lacombe, and Martin J. van den Bent 1568

Establishing standard performance measures for adult brain tumor patients: a nationwide inpatient sample database study
Maryam Rahman, Dan Neal, Kyle M. Fargen, and Brian L. Hoh 1580

News and Announcements 1589