

## ***Brain Imaging and Behavior: A Message from the Editor***

**Andrew J. Saykin**

Published online: 24 March 2010  
© Springer Science+Business Media, LLC 2010

*Brain Imaging and Behavior*, launched in 2007, has completed three volumes and the present issue represents the beginning of our fourth volume. I am delighted to report that *Brain Imaging and Behavior* (BIB) has been accepted for inclusion in PubMed, the National Library of Medicine's database of Medline and Pre-Medline articles. In addition, we were recently informed by Thomson Reuters that starting retrospectively with 1:1, *Brain Imaging and Behavior* has been selected for indexing and abstraction in Science Citation Index Expanded (SciSearch), Current Contents/Physical Chemical and Earth Sciences, Current Contents/Clinical Medicine, and the Neuroscience Citation Index. These are in addition to the citation databases already indexing *Brain Imaging and Behavior*. In the next year we will begin to see determination of an Impact Factor, which given the quality and timeliness of the recent and pending articles, is certain to grow in the coming years.

At this time, it is highly appropriate to thank Professors Erin Bigler and Martha Shenton who have served as Associate Editors and trusted sources of advice since the early preparation phase of the journal. Heather Pixley, Editorial Assistant, has been highly effective in keeping manuscripts flowing through the review process and with technical assistance to authors of accepted papers. Janice Stern, Senior Editor, Health and Behavior, Springer, has been very supportive of *Brain Imaging and Behavior* since its inception. Janice has done a great job of advocating for

and promoting the journal. In addition, the production group at Springer has also been remarkably quick at getting proofs to authors and papers published online.

*Brain Imaging and Behavior* has benefited from an exceptionally strong Editorial Board composed of distinguished scientists from a range of neuroscience and imaging specialties, who despite their other extensive commitments did not decline when asked to help initiate a new journal. We also are grateful to the authors who despite the newness of the journal submitted some of their best research to *BIB*. In addition to the authors, the quality of the initial volumes is also due to the expert reviewers, listed below, who provided rigorous critiques coupled with supportive advice for authors leading to clear presentation and balanced interpretation of emergent findings. Over 270 referees helped to enhance the scientific quality of the issues to date.

This has been an extraordinary time for multidisciplinary research exploiting the scientific potential of advanced brain imaging and related methods. Articles in the initial volumes have addressed numerous clinical conditions including Alzheimer's disease and other neurodegenerative disorders, traumatic brain injury, autism, obsessive-compulsive disorder, schizophrenia, depression, alcoholism and other addictions, stress and HIV among other disorders. Imaging studies have encompassed all age ranges from children and adolescents to the young, middle age and older adult populations. In some cases developmental factors and aging processes were the research focus. Where some research reported on neural processes underlying normal cognition, other work has addressed the substrates of cognitive abnormalities. Domain areas have included memory, visual perception, language, judgment and motor function. Other studies have examined topics as diverse as aggression and violent video games, musical processing

---

A. J. Saykin (✉)  
IU Center for Neuroimaging,  
Department of Radiology and Imaging Sciences,  
Indiana University School of Medicine,  
950 W Walnut St., R2 E124,  
Indianapolis, IN 46202, USA  
e-mail: asaykin@iupui.edu

and eyewitness decision-making. Although most papers to date have focused on human participants, several reports involve translational studies of rodents and canines. The neuroimaging methods used to investigate scientific questions posed by authors also have represented a broad array of techniques including structural, functional, diffusion, perfusion and spectroscopic MRI, metabolic and targeted tracer PET and SPECT, ERPs and MEG. Brain connectivity has become an increasingly prominent topic with several reports addressing structural connectivity using DTI and functional connectivity using fMRI methods. Several articles examined resting state connectivity and the default mode network that is typically active during resting conditions relative to goal directed mental activity.

An important emergent direction is indicated by the increasing number of studies using fMRI and other imaging methods as a biomarker for assessing therapeutic response to pharmacological, surgical or behavioral interventions. As we move into the era of personalized therapeutics, imaging biomarkers can be expected to show increased application including image-guided treatment strategies. Another set of papers described novel algorithms and analytic strategies including automated morphometric analysis and validation studies. Looking ahead, an increasingly important topic is likely to be imaging genetics, which several recent reports addressed. To date, there has been one special issue, guest edited by Jack Van Horn and colleagues, that provided an

update on the impressive developments in brain imaging research in the Pacific Rim countries.

Volume 4 will continue the tradition of diverse applications of leading edge brain imaging approaches to important subject populations and problems in neuroscience. Articles included in the first issue address a broad array of topics including the temporal dynamics of working memory recruitment, neuroimaging characteristics of critically ill patients in the ICU, the influence of age of onset of OCD on basal ganglia changes, the relationship between atrophy and perfusion in fronto-temporal dementia, sex differences in face processing, the relation between cognitive performance and DTI tractography in HIV-infected patients, activation during real compared to imagined sequential finger movements, manual versus automated hippocampal volumetric analysis in MCI and early AD, fronto-limbic interactions during overwhelmingly high working memory load, and finally disordered cortical functional connectivity during semantic processing in patients with schizophrenia or genetic risk for schizophrenia.

In summary, the first 3 years of *Brain Imaging and Behavior* has been a productive developmental period and we look forward to an exciting next phase as the Journal's impact expands.

Andrew J. Saykin  
Editor-in-Chief  
Indianapolis

## Referees Volumes 1–3 and 4(1)

Jeffrey Alger  
Mark Allen  
Jorge Almeida  
Eckart Altenmuller  
Amit Anand  
David Arciniegas  
Konstantinos Arfanakis  
Seiki Ayano  
Carol Baird  
Peter Bandettini  
George Bartzokis  
Leslie Baxter  
James Becker  
Michal Ben-Shachar  
Jamshed Bhurucha  
Erin Bigler  
Robert Bilder  
James Blair  
Susan Bookheimer  
Paolo Brambilla  
Alfredo Brancucci  
Stephan Brandt  
Alan Breler  
J.D. Bremner  
Adam Brickman  
Arthur Brody  
Franklin Brown  
Monte Buchsbaum  
Brian Caffo  
Victor Candia  
Valerie Cardenas-Nicolson  
Agnes Chan  
Michael Chee  
Joan Chiao  
Peter Chiu  
Christopher Christodoulou  
Brett Clementz  
Lisa Connor  
Paul Connor  
Roshan Cools  
Denise Correa  
Susan Courtney  
C. Cullum  
Paul Czoty  
Alain Dagher  
Terrance Darcey  
Helen Dawes  
Eco de Geus  
Floris de Lange  
Béatrice Desgranges  
Mark D'Esposito  
John Detre  
Sol Diamond  
Brad Dickerson  
Marianne Dieterich  
Blaine Ditto  
Robert Dougherty  
Jeng-Ren Duann  
Julie Dumas  
Timothy Durazzo  
Ulrike Dydak  
Mario Dzemidzic  
Dawn Eagle  
Gary Egan  
Igor Elman  
Christian Enzinger  
Karla Evans  
Lisa Eyler  
Martin Farlow  
Scott Faro  
Michael Fearing  
Evelina Fedorenko  
Robert Ferguson  
Hakan Fischer  
Laura Flashman  
James Ford  
Judith Ford  
Tatiana Foroud  
Teresa Franklin  
Scott Frey  
Julius Fridriksson  
Angela Friederici  
Seth Friedman  
Nicole Gage  
William Gaillard  
Shawn Gale  
Matthew Garlinghouse  
Alisa Gean  
Yonas Geda  
Guido Gerig  
Gary Glover  
Alexandra Golby  
Meredith Golomb  
Michael Greicius  
Jeffrey Grethe  
Georg Grön  
John Gunstad  
Ruben Gur  
Andreana Haley  
Todd Handy  
Ryu Hashimoto  
Uri Hasson  
Marc Haut  
Yong He  
Dawson Hedges  
Juergen Hennig  
Frank Hillary  
Yoshio Hirayasu  
Dorothy Holinger  
Ramona Hopkins  
Matthew Hoptman  
Andrew Horti  
Kate Hoy  
Colin Humphries  
Judy Illes  
James Jackson  
William Jagust  
Renaud Jardri  
Terry Jernigan  
Sterling Johnson  
Derek Jones  
Rex Jung  
Andrew Kalnin  
David Kareken  
Klyoto Kasai  
Jan Kassubek  
Marc Kaufman  
Shelli Kesler  
Ron Killiany  
Jieun Kim  
Brock Kirwan  
Stefan Kloppel  
Harold Koenigsberg  
Nancy Koven  
Marek Kubicki  
Jun Soo Kwon  
Renee Lajiness-O'Neill  
Todd Lencz  
Catherine Leveroni  
Meng Liang  
Gregory Light  
Donny Likosky  
Kelvin Lim  
Martin Lindquist  
Xun Liu  
Stuart MacDonald  
Arthur Maerlender  
Krisztina Malisza  
George Mangun  
William Marchand  
Wayne Martin  
Masaharu Maruishi  
Daniel Mathalon

John Matochik  
Thomas McAllister  
Brenna McDonald  
Vasilis Megalooikonomou  
John Meyer  
Michelle Mielke  
Kristine Mosier  
John Murray  
Michael Nader  
Sharon Naismith  
David Nash  
Paul Nestor  
Paul Newhouse  
Mary Newsome  
Raymond Niaura  
Sara Jo Nixon  
Margaret Niznikiewicz  
Eric Nofzinger  
Laura Nummenmaa  
Lars Nyberg  
Brian O'Donnell  
Robert Ogg  
Takashi Ono  
Marlene Oscar-Berman  
Barton Palmer  
Nadia Paré  
Sohee Park  
Robert Paul  
Godfrey Pearlson  
Michael Petrides  
Nicole Petrovich  
Stephan Posse  
Bradley Postle  
Andrea Protzner  
Maurice Ptito  
Ann Ragin  
Stephen Rao  
Susanne Reiterer  
Grega Repovs  
C. Harker Rhodes  
Peter Robinson  
Alard Roebroek  
Joshua Roffman  
Serge Rombouts  
Jed Rose  
David Rosenberg  
Robert Roth  
Ronald Ruff  
Bart Rypma  
BettyJo Salmeron  
David Salmon  
Anca-Larisa Sandu  
Roberto Sassi  
Robert Savoy  
Philip Schatz  
Matthias Schlesewsky  
Tilman Schulte  
Martin Schulte-Rüther  
Adam Schwartz  
R. D. Seidler  
Alessandro Serretti  
Li Shen  
Martha Shenton  
Yong Shin  
Steven Siegel  
Lisa Silbert  
Chantel Sloan  
Iris Sommer  
Kevin Spencer  
Reisa Sperling  
Roger Staff  
Glenn Stebbins  
Elliot Stein  
Joel Steinberg  
Andrew Stenger  
Klass Enno Stephan  
Kimberly Stigler  
Philip Szeszko  
Hidehiko Takahashi  
Vanessa Taler  
Li Hai Tan  
Susan Tapert  
David Tate  
Christiane Thiel  
Robert Thoma  
Bruce Turetsky  
And Turken  
Jessica Turner  
Shiro Usui  
Vincent Van De Hen  
Jack Van Horn  
Guido van Wingen  
Brent Vogt  
Yang Wang  
Julianna Ward  
James Warwick  
John West  
Paul Whalen  
Susan Whitfield-Gabrieli  
Thomas Whitford  
Cynthia Wible  
Christian Wienbruch  
Elisabeth Wilde  
Heather Wishart  
Donald Wong  
John Woodward  
Karmen Yoder  
Bryan Young  
Deborah Yurgelun-Todd  
Leonard Zaichkowsky  
Robert Zatorre  
Ying Zhu  
Andrew Zimmerman