

## SNM NEWSLINE

- 15N** New SNM/SNMITS Officers
- 17N** Recall of CardioGen-82
- 18N** Updates from the ABNM  
*Henry D. Royal*
- 20N** Guidelines Differentiate Alzheimer Dementia and Disease
- 20N** Molecular Imaging Update: CMIIT Award Winners  
*Carolyn J. Anderson*
- 23N** SNM Leadership Update: Planning for the Future of Nuclear and Molecular Imaging  
*George Segall*
- 24N** Newsbriefs
- 26N** From the Literature

## FOCUS ON MOLECULAR IMAGING

- 1333** Hyperpolarized  $^{13}\text{C}$  MRI and PET: In Vivo Tumor Biochemistry  
*Ferdia A. Gallagher, Sarah E. Bohndiek, Mikko I. Kettunen, David Y. Lewis, Dmitry Soloviev, and Kevin M. Brindle*

## INVITED PERSPECTIVE

- 1337** P-Selectin Imaging in Cardiovascular Disease: What You See Is What You Get?  
*Hendrikus H. Boersma, Hans J. de Haas, Chris P.M. Reutelingsperger, and Riemer H.J.A. Slart*

## CLINICAL INVESTIGATIONS

- 1339** Human Dosimetry and Preliminary Tumor Distribution of  $^{18}\text{F}$ -Fluoropaclitaxel in Healthy Volunteers and Newly Diagnosed Breast Cancer Patients Using PET/CT  
*Karen A. Kurdziel, Joseph D. Kalen, Jerry I. Hirsch, John D. Wilson, Harry D. Bear, Jean Logan, James McCumisky, Kathy Moorman-Sykes, Stephen Adler, and Peter L. Choyke*
- 1346** The Usefulness of a Preoperative Compact Imager, a Hand-Held  $\gamma$ -Camera for Breast Cancer Sentinel Node Biopsy: Final Results of a Prospective Double-Blind, Clinical Study  
*Khaldoun Kerrou, Stéphanie Pitre, Charles Coutant, Roman Rouzier, Pierre-Yves Ancel, Cécile Lebeaux, Virginie Huchet, Françoise Montravers, Odile Pascal, Marie-Alix-Duval, Françoise Lefebvre, Laurent Menard, Serge Uzan, Yves Charon, and Emmanuel Barranger*

- 1354** Radioimmunotherapy Confers Long-Term Survival to Lymphoma Patients with Acceptable Toxicity: Registry Analysis by the International Radioimmunotherapy Network  
*Karin Hohloch, Angelika Bischof Delaloye, Christiane Windemuth-Kieselbach, Jose Gómez-Codina, Werner Linkesch, Wojciech Jurczak, Roberto Cacchione, Cheolwon Suh, Pier Luigi Zinzani, and Lorenz Trümper*
- 1361** Quality of Life in 265 Patients with Gastroenteropancreatic or Bronchial Neuroendocrine Tumors Treated with [ $^{177}\text{Lu}$ -DOTA $^0$ ,Tyr $^3$ ]Octreotate  
*Saima Khan, Eric P. Krenning, Martijn van Essen, Boen L. Kam, Jaap J. Teunissen, and Dik J. Kwekkeboom*
- 1369** Coronary Circulatory Function in Patients with the Metabolic Syndrome  
*Marcelo F. Di Carli, David Charytan, Graham T. McMahon, Peter Ganz, Sharmila Dorbala, and Heinrich R. Schelbert*
- 1378** Impaired Lung  $^{123}\text{I}$ -MIBG Uptake on SPECT in Pulmonary Emphysema  
*Kazuyoshi Suga, Munemasa Okada, Mitsue Kunihiro, Osamu Tokuda, Hideyuki Iwanaga, and Naofumi Matsunaga*
- 1385** Prognostic Value of  $^{18}\text{F}$ -FDG PET in Monosegmental Stenosis and Myelopathy of the Cervical Spinal Cord  
*Frank W. Floeth, Gabriele Stoffels, Jörg Herdmann, Sven Eicker, Norbert Galldiks, Hans-Jakob Steiger, and Karl-Josef Langen*
- 1392** MRI-Based Attenuation Correction for Whole-Body PET/MRI: Quantitative Evaluation of Segmentation- and Atlas-Based Methods  
*Matthias Hofmann, Ilja Bezrukov, Frederic Mantlik, Philip Aschoff, Florian Steinke, Thomas Beyer, Bernd J. Pichler, and Bernhard Schölkopf*
- 1400** Preoperative Central Benzodiazepine Receptor Binding Potential and Cerebral Blood Flow Images on SPECT Predict Development of New Cerebral Ischemic Events and Cerebral Hyperperfusion After Carotid Endarterectomy  
*Yuiko Sato, Kuniaki Ogasawara, Hiroki Kuroda, Taro Suzuki, Kohei Chida, Shunrou Fujiwara, Kenta Aso, Masakazu Kobayashi, Kenji Yoshida, Kazunori Terasaki, and Akira Ogawa*

## BRIEF COMMUNICATIONS

- 1408** Incidental Diagnosis of Thrombus Within an Aneurysm on  $^{18}\text{F}$ -FDG PET/CT: Frequency in 926 Patients  
*Razi Muzaffar, Ganesh Kudva, Nghi C. Nguyen, and Medhat M. Osman*
- 1412** First Clinical Evidence That Imaging with Somatostatin Receptor Antagonists Is Feasible  
*Damian Wild, Melpomeni Fani, Martin Behe, Ingo Brink, Jean E.F. Rivier, Jean Claude Reubi, Helmut R. Maecke, and Wolfgang A. Weber*
- 1418** Extravasation of a Therapeutic Dose of  $^{131}\text{I}$ -Metaiodobenzylguanidine: Prevention, Dosimetry, and Mitigation  
*Dacian V. Bonta, Raghuvver K. Halkar, and Naomi Alazraki*

## CONTINUING EDUCATION

- 1423** **The Japanese Tsunami and Resulting Nuclear Emergency at the Fukushima Daiichi Power Facility: Technical, Radiologic, and Response Perspectives**  
*Lawrence T. Dauer, Pat Zanzonico, R. Michael Tuttle, Dennis M. Quinn, and H. William Strauss*

## BASIC SCIENCE INVESTIGATIONS

- 1433** **Radiolabeled Fucoidan as a P-Selectin Targeting Agent for In Vivo Imaging of Platelet-Rich Thrombus and Endothelial Activation**  
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- 1441** **Targeting Somatostatin Receptors: Preclinical Evaluation of Novel <sup>18</sup>F-Fluoroethyltriazole-Tyr<sup>3</sup>-Octreotate Analogs for PET**  
*Julius Leyton, Lisa Iddon, Meg Perumal, Bard Indrevoll, Matthias Glaser, Edward Robins, Andrew J.T. George, Alan Cuthbertson, Sajinder K. Luthra, and Eric O. Aboagye*
- 1449** **<sup>11</sup>C-NS14492 as a Novel PET Radioligand for Imaging Cerebral  $\alpha$ 7 Nicotinic Acetylcholine Receptors: In Vivo Evaluation and Drug Occupancy Measurements**  
*Anders Ettrup, Jens D. Mikkelsen, Szabolcs Lehel, Jacob Madsen, Elsebet Ø. Nielsen, Mikael Palner, Daniel B. Timmermann, Dan Peters, and Gitte M. Knudsen*
- 1457** **<sup>99m</sup>Tc-Hydrazinonicotinamide Epidermal Growth Factor–Polyethylene Glycol–Quantum Dot Imaging Allows Quantification of Breast Cancer Epidermal Growth Factor Receptor Expression and Monitors Receptor Downregulation in Response to Cetuximab Therapy**  
*Kyung-Ho Jung, Yearn Seong Choe, Jin-Young Paik, and Kyung-Han Lee*
- 1465** **Auger Electron Radioimmunotherapeutic Agent Specific for the CD123<sup>+</sup>/CD131<sup>-</sup> Phenotype of the Leukemia Stem Cell Population**  
*Jeffrey Victor Leyton, Meiduo Hu, Catherine Gao, Patricia V. Turner, John E. Dick, Mark Minden, and Raymond M. Reilly*

- 1474** **Patient-Specific Radiation Dosimetry of <sup>99m</sup>Tc-HYNIC-Tyr<sup>3</sup>-Octreotide in Neuroendocrine Tumors**  
*Joshua Grimes, Anna Celler, Bozena Birkenfeld, Sergey Shcherbinin, Maria H. Listewnik, Hanna Piwowarska-Bilska, Renata Mikołajczak, and Piotr Zorga*
- 1482** **MRI Measurement of Bone Marrow Cellularity for Radiation Dosimetry**  
*Jose C. Pichardo, Rowan J. Milner, and Wesley E. Bolch*
- 1490** **Phase I, First-in-Human Study of BMS747158, a Novel <sup>18</sup>F-Labeled Tracer for Myocardial Perfusion PET: Dosimetry, Biodistribution, Safety, and Imaging Characteristics After a Single Injection at Rest**  
*Jamshid Maddahi, Johannes Czernin, Joel Lazewatsky, Sung-Cheng Huang, Magnus Dahlbom, Heinrich Schelbert, Richard Sparks, Alexander Ehlgen, Paul Crane, Qi Zhu, Marybeth Devine, and Michael Phelps*

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## UPCOMING EDUCATION ARTICLES

**Multimodality Assessment of Brain Tumors and Tumor Recurrence**  
*Wolf-Dieter Heiss, Peter Raab, and Heinrich Lanfermann*

For CE credit, you can access Continuing Education Activities through the SNM Web site ([http://www.snm.org/ce\\_online](http://www.snm.org/ce_online))