

SNM NEWSLINE

- 15N** Nobel in Chemistry Recognizes GFP Innovations
- 16N** In Memoriam: John G. McAfee, MD, 1926–2008
Alexander Gottschalk
- 19N** In Memoriam: Robert N. Beck 1928–2008
- 20N** Health Policy and Regulatory Affairs Update: CMS Reopens Comment Period for PET National Coverage Decision
Hugh Cannon
- 23N** Molecular Imaging Update: Taking Molecular Imaging Development to the Next Level
George Mills
- 23N** Maintenance of Certification: ABMS: What Is It, and Why Should I Care?
Henry D. Royal
- 26N** SNM Leadership Update: Clinical Trial Development of Nonproprietary Imaging Agents
Robert W. Atcher, Michael Graham, and Alexander J. McEwan
- 28N** Alavi Receives Honorary Doctorate
- 30N** Newsbriefs
- 36N** From the Literature

FOCUS ON MOLECULAR IMAGING

- 1735** Peptide-Based Probes for Cancer Imaging
Jean Claude Reubi and Helmut R. Maecke

INVITED PERSPECTIVE

- 1739** To PLOPED, or Not to PLOPED
Patrick Reinartz

CLINICAL INVESTIGATIONS

- 1741** Sensitivity and Specificity of Perfusion Scintigraphy Combined with Chest Radiography for Acute Pulmonary Embolism in PLOPED II
H. Dirk Sostman, Massimo Miniati, Alexander Gottschalk, Fadi Matta, Paul D. Stein, and Massimo Pistolesi
- 1749** Quantitative Analysis of NK₁ Receptor in the Human Brain Using PET with ¹⁸F-FE-SPA-RQ
Masaki Okumura, Ryosuke Arakawa, Hiroshi Ito, Chie Seki, Hidehiko Takahashi, Harumasa Takano, Eisuke Haneda, Ryuji Nakao, Hidenori Suzuki, Kazutoshi Suzuki, Yoshiro Okubo, and Tetsuya Suhara

- 1756** First Demonstration of Leukemia Imaging with the Proliferation Marker ¹⁸F-Fluorodeoxythymidine
Andreas K. Buck, Martin Bommer, Malik E. Juweid, Gerhard Glatting, Stephan Stilgenbauer, Felix M. Mottaghy, Melanie Schulz, Thomas Kull, Donald Bunjes, Peter Möller, Hartmut Döhner, and Sven N. Reske

- 1763** Reproducibility of Tumor Perfusion Measurements Using ¹⁵O-Labeled Water and PET
Adrianus J. de Langen, Mark Lubberink, Ronald Boellaard, Marieke D. Spreuwenberg, Egbert F. Smit, Otto S. Hoekstra, and Adriaan A. Lammertsma

- 1769** Optimal Detection of Sentinel Lymph Node Metastases by Intraoperative Radioactive Threshold and Molecular Analysis in Patients with Melanoma
Gianpiero Manca, Antonella Romanini, Daniela Pellegrino, Elisa Borsò, Marianna Rondini, Cinzia Orlandini, Vanna Zucchi, Francesco Pasqualetti, and Giuliano Mariani

- 1776** Preparation with Recombinant Human Thyroid-Stimulating Hormone for Thyroid Remnant Ablation with ¹³¹I Is Associated with Lowered Radiotoxicity
Pedro Wesley Rosário, Michelle Aparecida Ribeiro Borges, and Saulo Purisch

- 1783** Prognostic Value of Tumor ¹⁸F-FDG Uptake in Patients with Untreated Extranodal Natural Killer/T-Cell Lymphomas of the Head and Neck
Cheolwon Suh, Yoon-Koo Kang, Jong-Lyel Roh, Mi Ra Kim, Jae Seung Kim, Jooryung Huh, Jeong Hyun Lee, Yong Ju Jang, and Bong-Jae Lee

- 1790** Automatic Global and Regional Phase Analysis from Gated Myocardial Perfusion SPECT Imaging: Application to the Characterization of Ventricular Contraction in Patients with Left Bundle Branch Block
Serge D. Van Kriekinge, Hidetaka Nishina, Muneo Ohba, Daniel S. Berman, and Guido Germano

BRIEF COMMUNICATIONS

- 1798** Clinical Correlate of Brain SPECT Perfusion Abnormalities in Fibromyalgia
Eric Guedj, Serge Cammilleri, Jean Niboyet, Patricia Dupont, Eric Vidal, Jean-Pierre Dropinski, and Olivier Mundler

- 1804** Reproducibility of Standardized Uptake Value Measurements Determined by ¹⁸F-FDG PET in Malignant Tumors
Claude Nahmias and Lindi M. Wahl

- 1809** ⁹⁰Y-Ibritumomab Therapy in Refractory Non-Hodgkin's Lymphoma: Observations from ¹¹¹In-Ibritumomab Pretreatment Imaging
Andrei Iagaru, Sanjiv Sam Gambhir, and Michael L. Goris

CONTINUING EDUCATION

- 1813** Nuclear Imaging and Minimally Invasive Surgery in the Management of Hyperparathyroidism
Benjamin L. Judson and Ashok R. Shaha

BASIC SCIENCE INVESTIGATIONS

- 1819** Preparation and Biological Evaluation of ^{64}Cu -CB-TE2A-sst₂-ANT, a Somatostatin Antagonist for PET Imaging of Somatostatin Receptor-Positive Tumors
Thaddeus J. Wadas, Martin Eiblmaier, Alexander Zheleznyak, Christopher D. Sherman, Riccardo Ferdani, Kexian Liang, Samuel Achilefu, and Carolyn J. Anderson
- 1828** Engineered Antibody Fragments with Infinite Affinity as Reporter Genes for PET Imaging
Liu H. Wei, Tove Olafsen, Caius Radu, Isabel J. Hildebrandt, Mark R. McCoy, Michael E. Phelps, Claude Meares, Anna M. Wu, Johannes Czernin, and Wolfgang A. Weber
- 1836** Comparison Between Adenoviral and Retroviral Vectors for the Transduction of the Thymidine Kinase PET Reporter Gene in Rat Mesenchymal Stem Cells
Véronique Roelants, Daniel Labar, Carole de Meester, Xavier Havaux, Antonio Tabilio, Sanjiv S. Gambhir, Mauro Di Ianni, Anne Bol, Luc Bertrand, and Jean-Louis Vanoverschelde
- 1845** Fluorescence Reflectance Imaging of Macrophage-Rich Atherosclerotic Plaques Using an $\alpha_v\beta_3$ Integrin-Targeted Fluorochrome
Jens Waldeck, Florian Häger, Carsten Höltnke, Christian Lanckohr, Angelika von Wallbrunn, Giovanni Torsello, Walter Heindel, Gregor Theilmeier, Michael Schäfers, and Christoph Bremer
- 1852** Impact of Contamination from Scattered Photons in Singles-Mode Transmission Data on Quantitative Small-Animal PET Imaging
Eric Vandervoort and Vesna Sossi
- 1862** In Vitro and In Vivo Evaluations of a Hydrophilic ^{64}Cu -Bis(Thiosemicarbazonato)-Glucose Conjugate for Hypoxia Imaging
Simon R. Bayly, Robert C. King, Davina J. Honess, Peter J. Barnard, Helen M. Betts, Jason P. Holland, Rebekka Huetting, Paul D. Bonnitcha, Jonathan R. Dilworth, Franklin I. Aigbirhio, and Martin Christlieb
- 1869** Use of Adrenomedullin Derivatives for Molecular Imaging of Pulmonary Circulation
François Harel, Yan Fu, Quang Trinh Nguyen, Myriam Letourneau, Louis P. Perrault, Alexandre Caron, Alain Fournier, and Jocelyn Dupuis

- 1875** MRI-Based Attenuation Correction for PET/MRI: A Novel Approach Combining Pattern Recognition and Atlas Registration

Matthias Hofmann, Florian Steinke, Verena Scheel, Guillaume Charpiat, Jason Farquhar, Philip Aschoff, Michael Brady, Bernhard Schölkopf, and Bernd J. Pichler

SPECIAL CONTRIBUTION

- 1884** MIRD Pamphlet No. 20: The Effect of Model Assumptions on Kidney Dosimetry and Response—Implications for Radionuclide Therapy
Barry W. Wessels, Mark W. Konijnenberg, Roger G. Dale, Hazel B. Breitz, Marta Cremonesi, Ruby F. Meredith, Alan J. Green, Lionel G. Bouchet, A. Bertrand Brill, Wesley E. Bolch, George Sgouros, and Stephen R. Thomas

DEPARTMENTS

- 1900** Book Reviews
- 1902** Letter to the Editor
- 11A** This Month in JNM
- 42A** Recruitment Advertising

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UPCOMING EDUCATION ARTICLES

Novel Tracers and Their Development for the Imaging of Metastatic Prostate Cancer

Andrea B. Apolo, Neeta Pandit-Taskar, and Michael J. Morris

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