SNM NEWSLINE

13N SNM Annual Meeting Energized by Launch of Molecular Imaging Initiative

14N 2006 Image of the Year: Focus on Cardiac SPECT/CT

16N New SNM/SNMTS Officers Recognized at San Diego Meeting

25N Gottschalk Recognized with Cassen Prize

26N Aebersold Award Presented to Gambhir

27N Wolf Receives 2006 de Hevesy Award

28N Guarasci Named SNMTS Outstanding Educator

33N Outstanding JNM Articles for 2005

34N Outstanding JNMT Articles for 2005

35N SNMTS Leadership Update: High Standards

D. Scott Holbrook

36N SNM Leadership Update: A Defining Moment: Nuclear Medicine, Molecular Imaging, SNM

Martin P. Sandler

37N Public Affairs Update: Nuclear Medicine Coalition Report

Hugh Cannon

38N Newsbriefs

40N From the Literature

INVITED PERSPECTIVES

1067 Dynamic Imaging of Transient Metabolic Processes: PDT Is Just the Beginning

Paul D. Acton

1070 Radioimmunotherapy Against the Tumor Vasculature: A New Target?

Robert M. Sharkey

CLINICAL INVESTIGATIONS

1075 Integrating PET and CT Information to Improve Diagnostic Accuracy for Lung Nodules: A Semiautomatic Computer-Aided Method

Yongkang Nie, Qiang Li, Feng Li, Yonglin Pu, Daniel Appelbaum, and Kunio Doi

1081 “Flying Through” and “Flying Around” a PET/CT Scan: Pilot Study and Development of 3D Integrated 18F-FDG PET/CT for Virtual Bronchoscopy and Colonoscopy

Andrew Quon, Sandy Napel, Christopher F. Beaulieu, and Sanjiv S. Gambhir

CONTINUING EDUCATION

1107 Roles of Nuclear Cardiology, Cardiac Computed Tomography, and Cardiac Magnetic Resonance: Noninvasive Risk Stratification and a Conceptual Framework for the Selection of Noninvasive Imaging Tests in Patients with Known or Suspected Coronary Artery Disease

Daniel S. Berman, Rory Hachamovitch, Leslee J. Shaw, John D. Friedman, Sean W. Hayes, Louise E.J. Thomson, David S. Fieno, Guido Germano, Nathan D. Wong, Xingping Kang, and Alan Rozanski

1119 Dynamic Imaging of Transient Metabolic Processes by Small-Animal PET for the Evaluation of Photosensitizers in Photodynamic Therapy of Cancer

Véronique Béard, Jacques A. Rousseau, Jules Cadorette, Laurent Hubert, M’hamed Bentourkia, Johan E. van Lier, and Roger Lecomte

BASIC SCIENCE INVESTIGATIONS

1127 Radioimmunotherapy of Head and Neck Cancer Xenografts Using 131I-Labeled Antibody L19-SIP for Selective Targeting of Tumor Vasculature


1136 Tumor-Specific In Vivo Transfection with HSV-1 Thymidine Kinase Gene Using a Sindbis Viral Vector as a Basis for Prodrug Ganciclovir Activation and PET

Jen-Chieh Tseng, Pat B. Zanzonico, Brandi Levin, Ronald Finn, Steven M. Larson, and Daniel Meruelo
1144 177Lu-AMBA: Synthesis and Characterization of a Selective 177Lu-Labeled GRP-R Agonist for Systemic Radiotherapy of Prostate Cancer
Laura E. Lantry, Enrico Cappelletti, Mary Ellen Maddalena, Jaclyn S. Fox, Weiwei Feng, Jianqing Chen, Regi Thomas, Stephen M. Eaton, Nancy J. Bogdan, Thangavel Arunachalam, Jean Claude Reubi, Natarajan Raju, Edmund C. Metcalfe, Luciano Lattuada, Karen E. Linder, Rolf E. Swenson, Michael F. Tweedle, and Adrian D. Nunn

1153 Synthesis and Preclinical Evaluation of a Folic Acid Derivative Labeled with 18F for PET Imaging of Folate Receptor-Positive Tumors
Andrea Bettio, Michael Honer, Cristina Müller, Matthias Bihrlemeier, Ursina Müller, Roger Schibli, Viola Groehn, August P. Schubiger, and Simon M. Ametamey

1161 Molecular Imaging with 123I-FIAU, 18F-FUdR, 18F-FET, and 18F-FDG for Monitoring Herpes Simplex Virus Type 1 Thymidine Kinase and Ganciclovir Prodrug Activation Gene Therapy of Cancer
Hsin-Ell Wang, Hung-Man Yu, Ren-Shyan Liu, Mai Lin, Juri G. Gelovani, Jeng-Jong Hwang, Hon-Jian Wei, and Win-Ping Deng

1172 A Thiol-Reactive 18F-Labeling Agent, N-[2-[4-(18F-Fluorobenzamido)Ethyl]Maleimide, and Synthesis of RGD Peptide-Based Tracer for PET Imaging of αvβ3 Integrin Expression
Weibo Cai, Xianzhong Zhang, Yun Wu, and Xiaoyuan Chen

1181 Semiautomated Analysis of Small-Animal PET Data
Adam L. Kesner, Magnus Dahlbom, Sung-Cheng Huang, Wei-Ann Hsueh, Betty S. Pio, Johannes Czernin, Michael Kreissl, Hsiao-Ming Wu, and Daniel H.S. Silverman

1187 Method of Generating Multiple Sets of Experimental Phantom Data
Arkadiusz Sitek, Bryan W. Reutter, Ronald H. Huesman, and Grant T. Gullberg

1193 Reproducibility of Measurements of Regional Myocardial Blood Flow in a Model of Coronary Artery Disease: Comparison of H215O and 13NH3 PET Techniques
Panithaya Charoenthaitawee, Stuart D. Christenson, Jill L. Anderson, Brad J. Kemp, David O. Hodge, Erik L. Ritman, and Raymond J. Gibbons

1202 Organ and Fetal Absorbed Dose Estimates from 99mTc-Sulfur Colloid Lymphoscintigraphy and Sentinel Node Localization in Breast Cancer Patients
Neeta Pandit-Taskar, Lawrence T. Dauer, Leslie Montgomery, Jean St. Germain, Pat B. Zanzonico, and Chaitanya R. Divgi

1209 Dosimetric Techniques in 90Y-Microsphere Therapy of Liver Cancer: The MIRD Equations for Dose Calculations
Seza A. Gulec, Geraldine Mesoloras, and Michael Stabin

1212 Noninvasive Molecular Imaging to Detect Transgene Expression of Lentiviral Vector in Nonhuman Primates
William E. Sander, Mark E. Metzger, Kouki Morizono, Aylin Bonifacino, Scott R. Penzak, Yi-Ming Xie, Irvin S.Y. Chen, Jeffrey Bacon, Stephen G. Sestrich, Lawrence P. Szajek, and Robert E. Donahue

SPECIAL CONTRIBUTION

1220 The Radioactive Drug Research Committee: Background and Retrospective Study of Reported Research Data (1975-2004)
Orhan H. Saleiman, Richard Fejka, Florence Houn, and Maria Walsh

PROCEDURE GUIDELINE

1227 Procedure Guideline for SPECT/CT Imaging 1.0
Dominique Delbeke, R. Edward Coleman, Milton J. Guiberteau, Manuel L. Brown, Henry D. Royal, Barry A. Siegel, David W. Townsend, Lincoln L. Berland, J. Anthony Parker, George Zubal, and Valerie Cronin

DEPARTMENTS

11A This Month in JNM
45A Recruitment Advertising
50A JNM Direct Response

JNM ONLINE

jnm.snmjournals.org
Newsline Online
www.snm.org/newsline
Information for Authors
http://www.snm.org/journals/jnm_author_info

UPCOMING EDUCATION ARTICLES

The Role of PET in Lymphoma
Yuliya S. Jhanwar and David J. Straus

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