### SNMNI NEWSLINE

9N  Canadian NRU Extended; Medical Isotope Partnership Announced

10N  NIH Partnership Launches Big Data Portal for AD Drug Discovery

11N  History Corner: From the New SNMNI Historian Frederic Fahey

12N  AMA, 99 Other Groups Call for ICD-10 Transition Contingencies

12N  Lenvatinib Receives Approval in DTC

13N  SNMNI Leadership Update: SNMNI Annual Meeting Heads to Baltimore Virginia Pappas

14N  Newsbriefs

16N  From the Literature

### FOCUS ON MOLECULAR IMAGING

497  The Role of Exploratory Investigational New Drugs for Translating Radiopharmaceuticals into First-in-Human Studies Sally W. Schwarz and Reiko Oyama

### INVITED PERSPECTIVES

501  γ-H2AX Foci in Peripheral Blood Lymphocytes to Quantify Radiation-Induced DNA Damage After 177Lu-DOTA-Octreotate Peptide Receptor Radionuclide Therapy Johan Bussink and Paul N. Span

503  PET Assessment of Vascular Inflammation and Atherosclerotic Plaques: SUV or TBR? Wengen Chen and Vasken Dilsizian

### CLINICAL INVESTIGATIONS

505  Analysis of 177Lu-DOTA-Octreotate Therapy-Induced DNA Damage in Peripheral Blood Lymphocytes of Patients with Neuroendocrine Tumors Delphine Denoyer, Pavel Lobachevsky, Price Jackson, Mick Thompson, Olga A. Martin, and Rodney J. Hicks


518  Metabolic PET/CT-Guided Lung Lesion Biopsies: Impact on Diagnostic Accuracy and Rate of Sampling Error Ludmila Gurakhin, Radu Rozenberg, Alex Fenkel, Ora Israel, and Zohar Keidar

523  Improving Patient Selection for 18F-FDG PET Scanning in the Staging of Gastric Cancer Yui Kaneko, William K Murray, Emma Link, Rodney J. Hicks, and Cuong Duong

530  PET Response Criteria in Solid Tumors Predicts Progression-Free Survival and Time to Local or Distant Progression After Chemotherapy with Regional Hyperthermia for Soft-Tissue Sarcoma Wolfgang P. Fendler, Mona Lehmann, Andrei Todica, Ken Herrmann, Thomas Knösel, Martin K. Angele, Hans Roland Dürr, Josefine Rauch, Peter Bartenstein, Clemens C. Cyran, Marcus Hacker, and Lars H. Lindner


552  Variability and Uncertainty of 18F-FDG PET Imaging Protocols for Assessing Inflammation in Atherosclerosis: Suggestions for Improvement Pauline Huet, Samuel Burg, Dominique Le Guludec, Fabien Hyafil, and Irène Buvat


575  Establishing Age-Associated Normative Ranges of the Cerebral 18F-FDG Uptake Ratio in Children Chiaho Hua, Thomas E. Merchant, Xingyu Li, Yimey Li, and Barry L. Shulkin
Aromatase Imaging with [N-Methyl-11C]Vorozole PET in Healthy Men and Women
Anat Biegon, David L. Alcoxoff, Sung Won Kim, Jean Logan, Deborah Pareto, David Schlyer, Gene-Jack Wang, and Joanna S. Fowler

Characterization in Humans of 18F-MNI-444, a PET Radiotracer for Brain Adenosine 2A Receptors
Olivier Barret, Jonas Hannestad, Christine Vala, David Alagille, Adriana Tavares, Marc Laruelle, Danna Jennings, Ken Marek, David Russell, John Seibyl, and Gilles Tamagnan

CONTINUING EDUCATION

Approaches to Reducing Radiation Dose from Radionuclide Myocardial Perfusion Imaging
Sharmila Dorbala, Ron Blankstein, Hicham Skali, Mi-Ae Park, Jolene Fantony, Charles Mauceri, James Semer, Stephen C. Moore, and Marcelo F. Di Carli

BASIC SCIENCE INVESTIGATIONS

Mesenchymal Stem Cell–Mediated, Tumor Stroma–Targeted Radioiodine Therapy of Metastatic Colon Cancer Using the Sodium Iodide Symporter as Theranostic Gene
Kerstin Knoop, Nathalie Schwenk, Kathrin Schmohl, Andrea Müller, Christian Zach, Clemens Cyan, Janette Carlsen, Guido Böning, Peter Bartenstein, Burkhard Göke, Ernst Wagner, Peter J. Nelson, and Christine Spitzweg

The Reverse Warburg Effect and 18F-FDG Uptake in Non–Small Cell Lung Cancer A549 in Mice: A Pilot Study
Guojian Zhang, Jianbo Li, Xuemei Wang, Yuanyuan Ma, Xindao Yin, Feng Wang, Huiyi Zheng, Xiaoxian Duan, Gregory C. Postel, and Xiao-Feng Li

Triple-Peptide Receptor Targeting In Vitro Allows Detection of All Tested Gut and Bronchial NETs
Jean Claude Reubi and Beatrice Waser

PET Imaging of Tenascin-C with a Radiolabeled Single-Stranded DNA Aptamer
Orit Jacobson, Xuefeng Yan, Gang Niu, Ido D. Weiss, Ying Ma, Lawrence P. Szajek, Baozhong Shen, Dale O. Kiesewetter, and Xiaoyuan Chen

Comparative Studies of Three 68Ga-Labeled [Des-Arg10]Kallidin Derivatives for Imaging Bradykinin B1 Receptor Expression with PET
Kuo-Shyan Lin, Guillaume Amouroux, Jinhe Pan, Zhengxing Zhang, Silvia Jenni, Joseph Lau, Zhibo Liu, Navjit Hundal-Jabal, Nadine Colpo, and François Bénard

Preclinical Evaluation of 86Y-Labeled Inhibitors of Prostate-Specific Membrane Antigen for Dosimetry Estimates

Impact of Time-of-Flight PET on Quantification Errors in MR Imaging–Based Attenuation Correction
Abolfazl Mehranian and Habib Zaidi

American College of Radiology and Society of Nuclear Medicine and Molecular Imaging Joint Credentialing Statement for PET/MR Imaging: Brain

Frederic H. Fahey, Henry Hee-Seong Bom, Arturo Chiti, Yun Young Choi, Gang Huang, Michael Lassmann, Norman Laurin, Fernando Mut, Rodolfo Nuñez-Miller, Darin O’Keeffe, Prasanta Pradhan, Andrew M. Scott, Shaoli Song, Nischal Soni, Mayuki Uchiyama, and Luis Vargas

DEPARTMENTS

Book Reviews

Letters to the Editor

This Month in JNM

Recruitment Advertising

Information for Authors

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UPCOMING EDUCATION ARTICLE

Lymphoscintigraphy and Sentinel Nodes: An Update
Valeria M. Moncayo, John N. Aarsvold, and Naomi P. Alazraki

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