

SNMMI NEWSLINE

- 11N** 2018 SNMMI Highlights Lecture: Oncology and Therapy
Andrew Scott
- 19N** SNMMI 2018–2020 Wagner–Torizuka Fellows Announced
- 20N** NRC Advisory Committee on Medical Uses of Isotopes Fall Meeting
Caitlin B. Kubler
- 21N** 60th Anniversary of ^{99m}Tc Generator Celebrated at BNL
- 22N** SNMMI Leadership Update: New Initiatives in Research and Discovery
Richard L. Wahl

LEADERSHIP PERSPECTIVES

- 1783** Discussions with Leaders: A Conversation Between Sam Gambhir and Johannes Czernin
Johannes Czernin and Sanjiv Sam Gambhir

ISSUES AND CONTROVERSIES

- 1786** Are We Approaching the End of the Linear No-Threshold Era?
Mohan Doss

THE STATE OF THE ART

- 1794** Nuclear Neuroimaging in Social Anxiety Disorder: A Review
Alexander G. Doruyter, Patrick Dupont, Dan J. Stein, Christine Lochner, and James M. Warwick

CONTINUING EDUCATION

- 1801** Treatment of Primary Liver Tumors and Liver Metastases, Part 2: Non–Nuclear Medicine Techniques
Francois H. Cornelis and Stephen B. Solomon

ONCOLOGY

Clinical

- 1809** ^{18}F -Alfatide II PET/CT for Identification of Breast Cancer: A Preliminary Clinical Study
Jiang Wu, Shaohua Wang, Xianzhong Zhang, Zhaogang Teng, Jingjie Wang, Bryant C. Yung, Gang Niu, Hong Zhu, Guangming Lu, and Xiaoyuan Chen
- 1817** Feasibility of ^{18}F -FDG Dose Reductions in Breast Cancer PET/MRI
Bert-Ram Sah, Soleen Ghafoor, Irene A. Burger, Edwin E.G.W. ter Voert, Tetsuro Sekine, Gaspar Delso, Martin Huellner, Konstantin J. Dedes, Andreas Boss, and Patrick Veit-Haibach

- 1823** Prospective Study of Serial ^{18}F -FDG PET and ^{18}F -Fluoride PET to Predict Time to Skeletal-Related Events, Time to Progression, and Survival in Patients with Bone-Dominant Metastatic Breast Cancer

Lanell M. Peterson, Janet O'Sullivan, Qian (Vicky) Wu, Alena Novakova-Jiresova, Isaac Jenkins, Jean H. Lee, Andrew Shields, Susan Montgomery, Hannah M. Linden, Julie Gralow, et al.

- 1831** Interobserver Agreement of Interim and End-of-Treatment ^{18}F -FDG PET/CT in Diffuse Large B-Cell Lymphoma: Impact on Clinical Practice and Trials

Coreline N. Burggraaff, Alexander C. Cornelisse, Otto S. Hoekstra, Pieterella J. Lugtenburg, Bart De Keizer, Anne I.J. Arens, Filiz Celik, Julia E. Huijbregts, Henrica C.W. De Vet, and José M. Zijlstra on behalf of the HOVON Imaging Working Group

Translational

- 1837** A First-in-Human Study of ^{68}Ga -Nanocolloid PET/CT Sentinel Lymph Node Imaging in Prostate Cancer Demonstrates Aberrant Lymphatic Drainage Pathways

Jacki A. Doughton, Michael S. Hofman, Peter Eu, Rodney J. Hicks, and Scott Williams

Basic

- 1843** Combined VLA-4-Targeted Radionuclide Therapy and Immunotherapy in a Mouse Model of Melanoma

Jaeyeon Choi, Wissam Beaino, Ronald J. Fecek, Kelsye P.L. Fabian, Charles M. Laymon, Brenda F. Kurland, Walter J. Storkus, and Carolyn J. Anderson

THERANOSTICS

Clinical

- 1850** ■ **FEATURED CLINICAL INVESTIGATION ARTICLE.** One-Stop-Shop Whole-Body ^{68}Ga -PSMA-11 PET/MRI Compared with Clinical Nomograms for Preoperative T and N Staging of High-Risk Prostate Cancer

Mark Thalgott, Charlotte Düwel, Isabel Rauscher, Matthias M. Heck, Bernhard Haller, Andrei Gafita, Jürgen E. Gschwend, Markus Schwaiger, Tobias Maurer, and Matthias Eiber

- 1857** ■ **SPECIAL CONTRIBUTION.** Interobserver Agreement for the Standardized Reporting System PSMA-RADS 1.0 on ^{18}F -DCFPyL PET/CT Imaging

Rudolf A. Werner, Ralph A. Bundschuh, Lena Bundschuh, Mehrbod S. Javadi, Jeffrey P. Leal, Takahiro Higuchi, Kenneth J. Pienta, Andreas K. Buck, Martin G. Pomper, Michael A. Gorin, et al.

Basic

- 1865** ■ **BRIEF COMMUNICATION.** Monosodium Glutamate Reduces ^{68}Ga -PSMA-11 Uptake in Salivary Glands and Kidneys in a Preclinical Prostate Cancer Model

Etienne Rousseau, Joseph Lau, Hsiou-Ting Kuo, Zhengxing Zhang, Helen Merckens, Navjit Hundal-Jabal, Nadine Colpo, Kuo-Shyan Lin, and François Bénard

NEUROLOGY

Translational

1869 ■ FEATURED ARTICLE OF THE MONTH.

Characterization of 3 Novel Tau Radiopharmaceuticals, ¹¹C-RO-963, ¹¹C-RO-643, and ¹⁸F-RO-948, in Healthy Controls and in Alzheimer Subjects

Dean F. Wong, Robert A. Comley, Hiroto Kuwabara, Paul B. Rosenberg, Susan M. Resnick, Susanne Ostrowitzki, Cristina Vozzi, Frank Boess, Esther Oh, Constantine G. Lyketsos, et al.

1877 Evaluation of ¹⁸F-RO-948 PET for Quantitative Assessment of Tau Accumulation in the Human Brain

Hiroto Kuwabara, Robert A. Comley, Edilio Borroni, Michael Honer, Kelly Kitmiller, Joshua Roberts, Lorena Gapasin, Anil Mathur, Gregory Klein, and Dean F. Wong

Basic

1885 ■ FEATURED BASIC SCIENCE ARTICLE. Antibody-Based In Vivo PET Imaging Detects Amyloid- β Reduction in Alzheimer Transgenic Mice After BACE-1 Inhibition

Silvio R. Meier, Stina Syvänen, Greta Hultqvist, Xiaotian T. Fang, Sahar Roshanbin, Lars Lannfelt, Ulf Neumann, and Dag Sehlin

MOLECULAR IMAGING

Basic

1892 ■ INVITED PERSPECTIVE. Reporter Genes for PET Imaging of CAR T Cells Offers Insight into Adoptive Cell Transfer

Benjamin M. Larimer

1894 Antibody with Infinite Affinity for In Vivo Tracking of Genetically Engineered Lymphocytes

Simone Krebs, Afruja Ahad, Lukas M. Carter, Justin Eyquem, Christian Brand, Meghan Bell, Vladimir Ponomarev, Thomas Reiner, Claude F. Meares, Stephen Gottschalk, et al.

1901 The Use of Ostrich Eggs for In Ovo Research: Making Preclinical Imaging Research Affordable and Available

Martin Freesmeyer, Christian Kuehnel, Thomas Opfermann, Tobias Niksch, Steffen Wiegand, Ronny Stolz, Ralph Huonker, Otto W. Witte, and Thomas Winkens

INFECTION/INFLAMMATION

Basic

1907 Evaluation of Two Potent and Selective PET Radioligands to Image COX-1 and COX-2 in Rhesus Monkeys

Min-Jeong Kim, Stal S. Shrestha, Michelle Cortes, Prachi Singh, Cheryl Morse, Jieih-San Liow, Robert L. Gladding, Chad Brouwer, Katharine Henry, Evan Gallagher, et al.

PHYSICS AND INSTRUMENTATION

1913 The Effect of Including Bone in Dixon-Based Attenuation Correction for ¹⁸F-Fluciclovine PET/MRI of Prostate Cancer

Mattijs Elschoot, Kirsten M. Selnæs, Håkon Johansen, Brage Krüger-Stokke, Helena Bertilsson, and Tone F. Bathen

DEPARTMENTS

10A This Month in JNM

1918 Letters to the Editor