

## SNMMI NEWSLINE

- 15N** 2020 SNMMI Highlights Lecture: Cardiovascular Nuclear and Molecular Imaging  
Mehran M. Sadeghi
- 23N** SNMMI Leadership Update: Research—The Key to Nuclear Medicine's Past and Future  
Alan B. Packard
- 24N** Newsbriefs

## DISCUSSIONS WITH LEADERS

- 1541** 20 Years of PET/CT: A Conversation with David Townsend and Thomas Beyer  
David Townsend, Thomas Beyer, and Johannes Czernin

## THE STATE OF THE ART

- 1544** Combination Strategies to Improve Targeted Radionuclide Therapy  
Tiffany G. Chan, Edward O'Neill, Christine Habjan, and Bart Cornelissen

## CONTINUING EDUCATION

- 1553** Imaging the Cancer Immune Environment and Its Response to Pharmacologic Intervention, Part 2: The Role of Novel PET Agents  
Amir Iravani and Rodney J. Hicks

## ONCOLOGY

### Clinical

- 1560** Prognostic Value of <sup>18</sup>F-FDG PET/CT in a Large Cohort of Patients with Advanced Metastatic Neuroendocrine Neoplasms Treated with Peptide Receptor Radionuclide Therapy  
Jingjing Zhang, Qingxing Liu, Aviral Singh, Christiane Schuchardt, Harshad R. Kulkarni, and Richard P. Baum
- 1570** <sup>18</sup>F-FDG PET Assessment of Malignant Pleural Mesothelioma: Total Lesion Volume and Total Lesion Glycolysis—The Central Role of Volume  
James C. Reynolds, Roberto Maass-Moreno, Anish Thomas, Alexander Ling, Emerson B. Padiernos, Seth M. Steinberg, and Raffit Hassan
- 1576** ■ **BRIEF COMMUNICATION.** PET Imaging Quantifying <sup>68</sup>Ga-PSMA-11 Uptake in Metastatic Colorectal Cancer  
Tahleesa J. Cuda, Andrew D. Riddell, Cheng Liu, Vicki L. Whitehall, Jennifer Borowsky, David K. Wyld, Matthew E. Burge, Elizabeth Ahern, Alison Griffin, Nicholas J.R. Lyons, et al.
- 1580** First-in-Humans Trial of Dasatinib-Derivative Tracer for Tumor Kinase-Targeted PET  
Simone Krebs, Darren R. Veach, Lukas M. Carter, Milan Grkovski, Monica Fornier, Michael J. Mauro, Martin H. Voss, Daniel C. Danila, Eva Burnazi, Manda Null, et al.

### Basic

- 1588** ■ **FEATURED BASIC SCIENCE ARTICLE.** Receptor-Targeted Photodynamic Therapy of Glucagon-Like Peptide 1 Receptor-Positive Lesions  
Marti Boss, Desiree Bos, Cathelijne Frielink, Gerwin Sandker, Patricia Bronkhorst, Sanne A.M. van Lith, Maarten Brom, Mijke Buitinga, and Martin Gotthardt
- 1594** The Biodistribution of a CD3 and EpCAM Bispecific T-Cell Engager Is Driven by the CD3 Arm  
Frans V. Suurs, Grit Lorenczewski, Sabine Stienen, Matthias Friedrich, Elisabeth G.E. de Vries, Derk Jan A. de Groot, and Marjolijn N. Lub-de Hooge

## THERANOSTICS

### Clinical

- 1602** ■ **BRIEF COMMUNICATION.** Neuroendocrine Differentiation and Response to PSMA-Targeted Radioligand Therapy in Advanced Metastatic Castration-Resistant Prostate Cancer: A Single-Center Retrospective Study  
Thorsten Derlin, Rudolf A. Werner, Marcel Lafos, Christoph Henkenberens, Christoph A.J. von Klot, Jan M. Sommerlath Sohns, Tobias L. Ross, and Frank M. Bengel
- 1607** <sup>68</sup>Ga-PSMA-Guided Bone Biopsies for Molecular Diagnostics in Patients with Metastatic Prostate Cancer  
Anouk C. de Jong, Minke Smits, Job van Riet, Jurgen J. Fütterer, Tessa Brabander, Paul Hamberg, Inge M. van Oort, Ronald de Wit, Martijn P. Lolkema, Niven Mehra, et al.
- 1615** <sup>18</sup>F-DCFPyL PET/CT in Patients with Subclinical Recurrence of Prostate Cancer: Effect of Lesion Size, Smoothing Filter, and Partial-Volume Correction on PROMISE Criteria  
Claudia Ortega, Josh Schaefferkoetter, Patrick Veit-Haibach, Reut Anconina, Alejandro Berlin, Nathan Perlis, and Ur Metser

## NEUROLOGY

### Clinical

- 1621** ■ **FEATURED ARTICLE OF THE MONTH.** Moving Toward Multicenter Therapeutic Trials in Amyotrophic Lateral Sclerosis: Feasibility of Data Pooling Using Different Translocator Protein PET Radioligands  
Donatienne Van Weehaeghe, Suma Babu, Joke De Vocht, Nicole R. Zürcher, Sheena Chew, Chieh-En J. Tseng, Marco L. Loggia, Michel Koole, Ahmadreza Rezaei, Georg Schramm, et al.
- 1628** Confirmation of <sup>123</sup>I-FP-CIT SPECT Quantification Methods in Dementia with Lewy Bodies and Other Neurodegenerative Disorders  
Daniela D. Maltais, Lennon G. Jordan, Hoon-Ki Min, Toji Miyagawa, Scott A. Przybelski, Timothy G. Lesnick, Robert R. Reichard, Dennis W. Dickson, Melissa E. Murray, Kejal Kantarci, et al.
- 1636** Kinetic Modeling and Test-Retest Reproducibility of <sup>11</sup>C-EKAP and <sup>11</sup>C-FEKAP, Novel Agonist Radiotracers for PET Imaging of the  $\kappa$ -Opioid Receptor in Humans  
Mika Naganawa, Songye Li, Nabeel Nabulsi, Shu-fei Lin, David Labaree, Jim Ropchan, Hong Gao, Michael Mei, Shannan Henry, David Matuskey, et al.

## CARDIOVASCULAR

### Basic

- 1643** Folate Receptor  $\beta$ -Targeted PET Imaging of Macrophages in Autoimmune Myocarditis  
Arghavan Jahandideh, Sauli Uotila, Mia Stähle, Jenni Virta, Xiang-Guo Li, Ville Kytö, Päivi Marjamäki, Heidi Liljenbäck, Pekka Taimen, Vesa Oikonen, et al.

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## PULMONARY

### Basic

- 1650** **Assessing the Activity of Multidrug Resistance–Associated Protein 1 at the Lung Epithelial Barrier**  
Severin Mairinger, Johannes A. Sake, Irene Hernández Lozano, Thomas Filip, Michael Sauberer, Johann Stanek, Thomas Wanek, Carsten Ehrhardt, and Oliver Langer

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## DOSIMETRY

### Clinical

- 1658** **The Impact of Radiobiologically Informed Dose Prescription on the Clinical Benefit of <sup>90</sup>Y SIRT in Colorectal Cancer Patients**  
Elliot M. Abbott, Nadia Falzone, Boon Q. Lee, Christiana Kartsonaki, Helen Winter, Tessa A. Greenhalgh, Daniel R. McGowan, Nigar Syed, Ana M. Denis-Bacelar, Philip Boardman, et al.

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## GENITOURINARY

### Translational

- 1665** **<sup>11</sup>C-PABA as a PET Radiotracer for Functional Renal Imaging: Preclinical and First-in-Human Study**  
Camilo A. Ruiz-Bedoya, Alvaro A. Ordonez, Rudolf A. Werner, Donika Plyku, Mariah H. Klunk, Jeff Leal, Wojciech G. Lesniak, Daniel P. Holt, Robert F. Dannals, Takahiro Higuchi, et al.

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## MOLECULAR IMAGING

### Clinical

- 1672** **PET Imaging of Phosphodiesterase-4 Identifies Affected Dysplastic Bone in McCune–Albright Syndrome, a Genetic Mosaic Disorder**  
Lora D. Weidner, Yuichi Wakabayashi, Louise A. Stolz, Michael T. Collins, Lori Guthrie, Milalynn Victorino, Joyce Chung, William Miller, Sami S. Zoghbi, Victor W. Pike, et al.

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## PHYSICS AND INSTRUMENTATION

### Clinical

- 1678** **Data-Driven Respiratory Gating Outperforms Device-Based Gating for Clinical <sup>18</sup>F-FDG PET/CT**  
Matthew D. Walker, Andrew J. Morgan, Kevin M. Bradley, and Daniel R. McGowan

### Basic

- 1684** **Benefit of Improved Performance with State-of-the Art Digital PET/CT for Lesion Detection in Oncology**  
Suleman Surti, Varsha Viswanath, Margaret E. Daube-Witherspoon, Maurizio Conti, Michael E. Casey, and Joel S. Karp

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## DEPARTMENTS

**5A** Recruitment

**14A** This Month in JNM

**1691** Letters to the Editor