

## SNMMI NEWSLINE

- 13N** 2022 SNMMI Highlights Lecture: Oncology and Therapy, Part 1  
Heiko Schöder
- 19N** SNMMI Leadership Update: SNMMI Adopts New Strategic Plan  
Munir Ghesani
- 21N** Newsbriefs
- 22N** From the Literature

## DISCUSSIONS WITH LEADERS

- 1783** Leading in Urology and Pioneering in Social Media Outreach: A Conversation Among Declan Murphy, Ken Herrmann, and Michael Hofman  
Declan Murphy, Ken Herrmann, and Michael Hofman

## THE STATE OF THE ART

- 1786** Fibroblast Activation Protein Inhibitor Imaging in Nonmalignant Diseases: A New Perspective for Molecular Imaging  
Christian Schmidkonz, Torsten Kuwert, Armin Atzinger, Michael Cordes, Georg Schett, Andreas Ramming, and Theresa Götz

## CONTINUING EDUCATION

- 1793** From Concept to Regulatory Drug Approval: Lessons for Theranostics  
Marlon Perera and Michael J. Morris

## FOCUS ON MOLECULAR IMAGING

- 1802** Nanoparticle Diagnostics and Theranostics in the Clinic  
Roger M. Pallares, Felix M. Mottaghy, Volkmar Schulz, Fabian Kiessling, and Twan Lammers

## THERANOSTICS

### Clinical

- 1809** Validation of  $^{18}\text{F}$ -rhPSMA-7 and  $^{18}\text{F}$ -rhPSMA-7.3 PET Imaging Results with Histopathology from Salvage Surgery in Patients with Biochemical Recurrence of Prostate Cancer  
Markus Kroenke, Lilit Schweiger, Thomas Horn, Bernhard Haller, Kristina Schwamborn, Alexander Wurzer, Tobias Maurer, Hans-Jürgen Wester, Matthias Eiber, and Isabel Rauscher
- 1815** Using  $^{68}\text{Ga}$ -PSMA-11 PET/CT for Therapy Response Assessment in Patients with Metastatic Castration-Resistant Prostate Cancer: Application of EAU/EANM Recommendations in Clinical Practice  
Chloé S. Denis, François Cousin, Bram De Laere, Roland Hustinx, Brieuc R. Sautois, and Nadia Withofs

- 1822**  $^{68}\text{Ga}$ -PSMA-11 PET/MRI in Patients with Newly Diagnosed Intermediate- or High-Risk Prostate Adenocarcinoma: PET Findings Correlate with Outcomes After Definitive Treatment

Farshad Moradi, Heying Duan, Hong Song, Guido A. Davidzon, Benjamin I. Chung, Alan E. C. Thong, Andreas M. Loening, Pejman Ghanouni, Geoffrey Sonn, and Andrei Iagaru

- 1829** Correlation of  $^{68}\text{Ga}$ -RM2 PET with Postsurgery Histopathology Findings in Patients with Newly Diagnosed Intermediate- or High-Risk Prostate Cancer

Heying Duan, Lucia Baratto, Richard E. Fan, Simon John Christoph Soerensen, Tie Liang, Benjamin Inbeh Chung, Alan Eih Chih Thong, Harcharan Gill, Christian Kunder, Tanya Stoyanova, et al.

- 1836** ■ **SPECIAL CONTRIBUTION.** Joint EANM, SNMMI, and IAEA Enabling Guide: How to Set up a Theranostics Center

Ken Herrmann, Luca Giovannella, Andrea Santos, Jonathan Gear, Pinar Ozgen Kiratli, Jens Kurth, Ana M. Denis-Bacelar, Roland Hustinx, Marianne Patt, Richard L. Wahl, et al.

- 1844** Repetitive Early  $^{68}\text{Ga}$ -FAPI PET Acquisition Comparing  $^{68}\text{Ga}$ -FAPI-02,  $^{68}\text{Ga}$ -FAPI-46, and  $^{68}\text{Ga}$ -FAPI-74: Methodologic and Diagnostic Implications for Malignant, Inflammatory/Reactive, and Degenerative Lesions

Frederik M. Glattig, Jorge Hoppner, Dawn P. Liew, Antonia van Genabith, Anna-Maria Spektor, Levin Steinbach, Alexander Hubert, Clemens Kratochwil, Frederik L. Giesel, Katharina Dendl, et al.

### Basic

- 1852** A Dimeric FAP-Targeting Small-Molecule Radioconjugate with High and Prolonged Tumor Uptake

Andrea Galbiati, Aureliano Zana, Matilde Bocci, Jacopo Millul, Abdullah Elsayed, Jacqueline Mock, Dario Neri, and Samuele Cazzamalli

- 1859** ■ **FEATURED ARTICLE OF THE MONTH.** Improved Tumor Responses with Sequential Targeted  $\alpha$ -Particles Followed by Interleukin 2 Immunocytokine Therapies in Treatment of CEA-Positive Breast and Colon Tumors in CEA Transgenic Mice

Megan Minnix, Maciej Kujawski, Erasmus Poku, Paul J. Yazaki, Jeffrey Y. Wong, and John E. Shively

## ONCOLOGY

### Clinical

- 1865**  $^{18}\text{F}$ -DOPA PET/CT at the Forefront of Initial or Presurgical Evaluation of Small-Intestine Neuroendocrine Tumors

Eric Ouvrard, Louis De Mestier, Caroline Boursier, Boumediene Lachachi, Nicolas Sahakian, Elodie Chevalier, Nidaa Mikail, Josefina Carullo, Aurélie Bando-Delaunay, Thomas Walter, et al.

- 1871** First-in-Humans PET Imaging of Tissue Factor in Patients with Primary and Metastatic Cancers Using  $^{18}\text{F}$ -labeled Active-Site Inhibited Factor VII ( $^{18}\text{F}$ -ASIS): Potential as Companion Diagnostic

Mathias Loft, Camilla Christensen, Malene M. Clausen, Esben A. Carlsen, Carsten P. Hansen, Niels Kroman, Seppo W. Langer, Claus Høgdall, Jacob Madsen, Nic Gillings, et al.

## 1880 <sup>89</sup>Zr-Labeled High-Density Lipoprotein Nanoparticle PET Imaging Reveals Tumor Uptake in Patients with Esophageal Cancer

Kang H. Zheng, Jeffrey Kroon, Jasper Schoormans, Oliver Gurney-Champion, Sybren L. Meijer, Suzanne S. Gisbertz, Maarten C.C.M. Hulshof, Danielle J. Vugts, Guus A.M.S. van Dongen, Bram F. Coolen, et al.

## 1887 ■ BRIEF COMMUNICATION. <sup>18</sup>F-FDG PET/CT Staging of Head and Neck Cancer: Interobserver Agreement and Accuracy—Results from Multicenter ACRIN 6685 Clinical Trial

Rathan M. Subramaniam, Fenghai M. Duan, Justin Romanoff, Jian Qin Yu, Twyla Bartel, Farrokh Dehdashti, Charles M. Intenzo, Lilja Solnes, JoRean Sicks, Brendan C. Stack Jr, et al.

## 1891 Safety and Efficacy of <sup>166</sup>Ho Radioembolization in Hepatocellular Carcinoma: The HEPAR Primary Study

Margot T.M. Reinders, Karel J. van Erpecum, Maarten L.J. Smits, Arthur J.A.T. Braat, Joep de Bruijne, Rutger Bruijnen, Dave Sprengers, Robert A. de Man, Erik Vegt, Jan N.M. IJzermans, et al.

## 1899 Noninvasive Assessment of Acute Graft-Versus-Host Disease of the Gastrointestinal Tract After Allogeneic Hemopoietic Stem Cell Transplantation Using <sup>18</sup>F-FDG PET

Martin H. Cherk, Robert Khor, Thomas W. Barber, Kenneth S.K. Yap, Sushrut Patil, Patricia Walker, Sharon Avery, Stuart Roberts, William Kemp, Alan Pham, et al.

## CARDIOVASCULAR

### Clinical

## 1906 ■ FEATURED CLINICAL INVESTIGATION ARTICLE. Prevalence and Outcomes of Cardiac Amyloidosis in All-Comer Referrals for Bone Scintigraphy

Christian Nitsche, Katharina Mascherbauer, Raffaella Calabretta, Matthias Koschutnik, Carolina Dona, Varius Dannenberg, Felix Hofer, Kseniya Halavina, Andreas A. Kammerlander, Tatjana Traub-Weidinger, et al.

## NEUROLOGY

### Basic

## 1912 Evaluation of (*rac*)-, (*R*)-, and (*S*)-<sup>18</sup>F-OF-NB1 for Imaging GluN2B Subunit-Containing *N*-Methyl-D-Aspartate Receptors in Nonhuman Primates

Hazem Ahmed, Ming-Qiang Zheng, Kelly Smart, Hanyi Fang, Li Zhang, Paul R. Emery, Hong Gao, Jim Ropchan, Ahmed Haider, Gilles Tamagnan, et al.

### Translational

## 1919 First-in-Human Evaluation of <sup>18</sup>F-PF-06445974, a PET Radioligand That Preferentially Labels Phosphodiesterase-4B

Yuichi Wakabayashi, Per Stenkrona, Ryosuke Arakawa, Xuefeng Yan, Maia G. Van Buskirk, Madeline D. Jenkins, Jose A. Montero Santamaria, Kevin P. Maresca, Akihiro Takano, Jieih-San Liow, et al.

## AI/ADVANCED IMAGE ANALYSIS

### Clinical

## 1925 <sup>18</sup>F-FDG PET Maximum-Intensity Projections and Artificial Intelligence: A Win-Win Combination to Easily Measure Prognostic Biomarkers in DLBCL Patients

Kibrom B. Girum, Louis Rebaud, Anne-Ségolène Cottureau, Michel Meignan, Jérôme Clerc, Laetitia Vercellino, Olivier Casanovas, Franck Morschhauser, Catherine Thieblemont, and Irène Buvat

## 1933 Distinction of Lymphoma from Sarcoidosis on <sup>18</sup>F-FDG PET/CT: Evaluation of Radiomics-Feature-Guided Machine Learning Versus Human Reader Performance

Pierre Lovinfosse, Marta Ferreira, Nadia Withofs, Alexandre Jadoul, Céline Derwael, Anne-Noelle Frix, Julien Guiot, Claire Bernard, Anh Nguyen Diep, Anne-Françoise Donneau, et al.

## 1941 Fully Automated, Semantic Segmentation of Whole-Body <sup>18</sup>F-FDG PET/CT Images Based on Data-Centric Artificial Intelligence

Lalith Kumar Shiyam Sundar, Josef Yu, Otto Muzik, Oana C. Kulterer, Barbara Fueger, Daria Kifjak, Thomas Nakuz, Hyung Min Shin, Annika Katharina Sima, Daniela Kitzmantl, et al.

## ENDOCRINOLOGY

### Translational

## 1949 Development of Fluorinated NP-59: A Revival of Cholesterol Use Imaging with PET

Allen F. Brooks, Wade P. Winton, Jenelle Stauff, Janna Arteaga, Bradford Henderson, Jeremy Niedbala, Peter J.H. Scott, and Benjamin L. Vigiante

## GASTROENTEROLOGY

### Basic

## 1956 Staging Liver Fibrosis by Fibroblast Activation Protein Inhibitor PET in a Human-Sized Swine Model

Ali Pirasteh, Sarvesh Periyasamy, Jennifer Jean Meudt, Yongjun Liu, Laura M. Lee, Kyle M. Schachtschneider, Lawrence B. Schook, Ron C. Gaba, Lu Mao, Adnan Said, et al.

## ILLUSTRATED POST

## 1962 A Long Axial Field of View Enables PET/CT in Toddler Without Sedation

Michala Reichkender, Flemming L. Andersen, Lise Borgwardt, Ulrikka Nygaard, Elisabeth Albrecht-Beste, Kim F. Andersen, Anna Ljunggren, Nynne Abrahamsen, Annika Loft, Liselotte Højgaard, et al.

## DEPARTMENTS

### 10A Recruitment

### 12A This Month in JNM