

## SNM NEWSLINE

- 13N Wagner Highlights Tradition Ends**  
*Henry N. Wagner, Jr.*
- 13N Heartfelt Gratitude—and a Challenge for All**  
*Michael M. Graham*
- 14N SNM Leadership Update: SNM Conjoint Mid-Winter Meetings Expand Offerings**  
*Virginia Pappas*
- 14N Molecular Imaging Update: Summit Explores Issues in Nanomedicine and Molecular Imaging**  
*Julie Sutcliffe*
- 15N Newsbriefs**
- 20N From the Literature**

## FOCUS ON MOLECULAR IMAGING

- 1915 <sup>18</sup>F-FDOPA: A Multiple-Target Molecule**  
*Heikki Minn, Saira Kauhanen, Marko Seppänen, and Pirjo Nuutila*

## INVITED PERSPECTIVE

- 1919 Improving Lung Scintigraphy**  
*J. Anthony Parker*

## CLINICAL INVESTIGATIONS

- 1921 Nonrigid Versus Rigid Registration of Thoracic <sup>18</sup>F-FDG PET and CT in Patients with Lung Cancer: An Intraindividual Comparison of Different Breathing Maneuvers**  
*Aleksandar Grgic, Ursula Nestle, Andrea Schaefer-Schuler, Stephanie Kremp, Elena Ballek, Jochen Fleckenstein, Christian Rübe, Carl-Martin Kirsch, and Dirk Hellwig*
- 1927 A Comparison of <sup>68</sup>Ga-DOTATATE and <sup>18</sup>F-FDG PET/CT in Pulmonary Neuroendocrine Tumors**  
*Irfan Kayani, Brendon G. Conry, Ashley M. Groves, Thida Win, John Dickson, Martyn Caplin, and Jamshed B. Bomanji*
- 1933 A Curve-Fitting Approach to Estimate the Arterial Plasma Input Function for the Assessment of Glucose Metabolic Rate and Response to Treatment**  
*Dennis Vriens, Lioe-Fee de Geus-Oei, Wim J.G. Oyen, and Eric P. Visser*
- 1940 <sup>18</sup>F-FDG PET as a Routine Posttreatment Surveillance Tool in Oral and Oropharyngeal Squamous Cell Carcinoma: A Prospective Study**  
*Christiaan A. Krabbe, Jan Pruim, Pieter U. Dijkstra, Hans Balink, Bernard F. van der Laan, Jan G. de Visscher, and Jan L. Roodenburg*

- 1948 Pathophysiologic Correlation Between <sup>62</sup>Cu-ATSM and <sup>18</sup>F-FDG in Lung Cancer**  
*Talakad Goolaiah Lohith, Takashi Kudo, Yoshiki Demura, Yukihiko Umeda, Yasushi Kiyono, Yasuhisa Fujibayashi, and Hidehiko Okazawa*

- 1954 A Pilot Study to Assess the Efficacy of Tariquidar to Inhibit P-glycoprotein at the Human Blood-Brain Barrier with (R)-<sup>11</sup>C-Verapamil and PET**  
*Claudia C. Wagner, Martin Bauer, Rudolf Karch, Thomas Feurstein, Stephan Kopp, Peter Chiba, Kurt Kletter, Wolfgang Löscher, Markus Müller, Markus Zeitlinger, and Oliver Langer*

- 1962 Methyl-L-<sup>11</sup>C-Methionine PET as a Diagnostic Marker for Malignant Progression in Patients with Glioma**  
*Roland T. Ullrich, Lutz Kracht, Anna Brunn, Karl Herholz, Peter Frommolt, Hrvoje Miletic, Martina Deckert, Wolf-Dieter Heiss, and Andreas H. Jacobs*

- 1969 Hypoperfusion and Ischemia in Cerebral Amyloid Angiopathy Documented by <sup>99m</sup>Tc-ECD Brain Perfusion SPECT**  
*Yong-An Chung, Joo Hyun O, Jee-Young Kim, Ki-Jun Kim, and Kook-Jin Ahn*

- 1975 Reference Tissue Models and Blood-Brain Barrier Disruption: Lessons from (R)-[<sup>11</sup>C]PK11195 in Traumatic Brain Injury**  
*Hedy Folkersma, Ronald Boellaard, W. Peter Vandertop, Reina W. Kloet, Mark Lubberink, Adriaan A. Lammertsma, and Bart N.M. van Berckel*

- 1980 Endothelial Dysfunction in Diabetic Patients with Abnormal Myocardial Perfusion in the Absence of Epicardial Obstructive Coronary Artery Disease**  
*Roxana Djaberi, Jos op 't Roodt, Joanne D. Schuijff, Ton J. Rabelink, Eelco J. de Koning, Alberto M. Pereira, Marcel P. Stokkel, Jan W. Smit, Jeroen J. Bax, and J. Wouter Jukema*

- 1987 Detection of Pulmonary Embolism with Combined Ventilation-Perfusion SPECT and Low-Dose CT: Head-to-Head Comparison with Multidetector CT Angiography**  
*Henrik Gutte, Jann Mortensen, Claus Verner Jensen, Camilla Bardram Johnbeck, Peter von der Recke, Claus Leth Petersen, Jesper Kjærgaard, Ulrik Sloth Kristoffersen, and Andreas Kjær*

- 1993 Changes in Cerebral Blood Flow Detected by SPECT in Type 1 and Type 2 Diabetic Patients**  
*Miklós Káplár, György Paragh, Annamária Erdei, Éva Csongrádi, Éva Varga, Ildikó Garai, Lajos Szabados, László Galuska, and József Varga*

## CONTINUING EDUCATION

- 1999 SPECT in Acute Pulmonary Embolism**  
*Paul D. Stein, Leonard M. Freeman, H. Dirk Sostman, Lawrence R. Goodman, Pamela K. Woodard, David P. Naidich, Alexander Gottschalk, Dale L. Bailey, Fadi Matta, Abdo Y. Yaekoub, Charles A. Hales, Russell D. Hull, Kenneth V. Leeper Jr., Victor F. Tapson, and John G. Weg*

## BASIC SCIENCE INVESTIGATIONS

- 2008** **Pretargeted Radioimmunotherapy of Pancreatic Cancer Xenografts: TF10-<sup>90</sup>Y-IMP-288 Alone and Combined with Gemcitabine**  
*Habibe Karacay, Robert M. Sharkey, David V. Gold, Dan R. Ragland, William J. McBride, Edmund A. Rossi, Chien-Hsing Chang, and David M. Goldenberg*
- 2017** **<sup>177</sup>Lu-AMBA Biodistribution, Radiotherapeutic Efficacy, Imaging, and Autoradiography in Prostate Cancer Models with Low GRP-R Expression**  
*Mary Ellen Maddalena, Jaclyn Fox, Jianqing Chen, Weiwei Feng, Aldo Cagnolini, Karen E. Linder, Michael F. Tweedle, Adrian D. Nunn, and Laura E. Lantry*
- 2025** **Efficacy of Systemic Radionuclide Therapy with p-<sup>131</sup>I-Iodo-L-Phenylalanine Combined with External Beam Photon Irradiation in Treating Malignant Gliomas**  
*Samuel Samnick, Bernd F. Romeike, Thomas Lehmann, Ina Israel, Christian Rube, Angelika Mautes, Christoph Reiners, and Carl-Martin Kirsch*
- 2033** **Noninternalizing Monoclonal Antibodies Are Suitable Candidates for <sup>125</sup>I Radioimmunotherapy of Small-Volume Peritoneal Carcinomatosis**  
*Lore Santoro, Samir Boutaleb, Véronique Garambois, Caroline Bascoul-Molleli, Vincent Boudousq, Pierre-Olivier Kotzki, Monique Pèlerin, Isabelle Navarro-Teulon, André Pèlerin, and Jean-Pierre Pouget*
- 2042** **Assessment of an <sup>18</sup>F-Labeled Phosphoramidate Peptidomimetic as a New Prostate-Specific Membrane Antigen-Targeted Imaging Agent for Prostate Cancer**  
*Suzanne E. Lapi, Hilla Wahnish, David Pham, Lisa Y. Wu, Jessie R. Nedrow-Byers, Tiancheng Liu, Kaveh Vejdani, Henry F. VanBrocklin, Clifford E. Berkman, and Ella F. Jones*
- 2049** **Construction of Mutant TKGFP for Real-Time Imaging of Temporal Dynamics of HIF-1 Signal Transduction Activity Mediated by Hypoxia and Reoxygenation in Tumors in Living Mice**  
*Chia-Hung Hsieh, Jung-Wen Kuo, Yi-Jang Lee, Chi-Wei Chang, Juri G. Gelovani, and Ren-Shyan Liu*
- 2058** **Imaging Vascular Endothelial Growth Factor (VEGF) Receptors in Turpentine-Induced Sterile Thigh Abscesses with Radiolabeled Single-Chain VEGF**  
*Zoia Levashova, Marina Backer, Joseph M. Backer, and Francis G. Blankenberg*

- 2064** **<sup>11</sup>C-GSK189254: A Selective Radioligand for In Vivo Central Nervous System Imaging of Histamine H<sub>3</sub> Receptors by PET**

*Christophe Plisson, Roger N. Gunn, Vincent J. Cunningham, Dirk Bender, Cristian A. Salinas, Andrew D. Medhurst, Jennifer C. Roberts, Marc Laruelle, and Antony D. Gee*

- 2073** **Therapeutic Efficacy Evaluation of <sup>111</sup>In-Labeled PEGylated Liposomal Vinorelbine in Murine Colon Carcinoma with Multimodalities of Molecular Imaging**

*Tong-Hsien Chow, Yi-Yu Lin, Jeng-Jong Hwang, Hsin-Ell Wang, Yun-Long Tseng, Victor Fei Pang, Ren-Shyan Liu, Wu-Jyh Lin, Chung-Shi Yang, and Gann Ting*

- 2082** **Targeting of CCK-2 Receptor-Expressing Tumors Using a Radiolabeled Divalent Gastrin Peptide**

*Jane K. Sosabowski, Torkjel Matzow, Julie M. Foster, Ciara Finucane, David Ellison, Susan A. Watson, and Stephen J. Mather*

## DEPARTMENTS

- 2090** **Book Reviews**

- 2092** **Erratum**

**11A** **This Month in JNM**

**25A** **Recruitment Advertising**

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## UPCOMING EDUCATION ARTICLES

**Innovations in Radiotherapy Planning of Head and Neck Cancers: Role of PET**

*Esther G.C. Troost, Dominic A.X. Schinagl, Johan Bussink, Otto C. Boerman, Albert J. van der Kogel, Wim J.G. Oyen, and Johannes H.A.M. Kaanders*

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