

## SNM NEWSLINE

- 16N** New NRC Guidance on Release of Patients After  $^{131}\text{I}$  Treatment
- 17N** Commentary: A Closer Look at the Latest NRC Patient Release Guidance  
*Jeffrey A. Siegel and Edward B. Silberstein*
- 22N** Molecular Imaging Update: Imaging Biomarkers Roundtable Report  
*Daniel C. Sullivan*
- 22N** Maintenance of Certification: Maintenance of Licensure and Maintenance of Certification  
*Henry D. Royal*
- 23N** SNM Leadership Update: Facing New Horizons, Meeting New Challenges  
*Robert W. Atcher*
- 26N** SNMTS Leadership Update: Beginning Again—Again  
*Mark Wallenmeyer*
- 27N** Newsbriefs
- 30N** From the Literature

## INVITED PERSPECTIVE

- 1035** Imaging Regulation of Endogenous Gene Expression Using Spliceosome-Mediated *Trans*-Splicing  
*Vladimir Ponomarev*

## CLINICAL INVESTIGATIONS

- 1038** Treatment Monitoring by  $^{18}\text{F}$ -FDG PET/CT in Patients with Sarcomas: Interobserver Variability of Quantitative Parameters in Treatment-Induced Changes in Histopathologically Responding and Nonresponding Tumors  
*Matthias R. Benz, Vladimir Evilevitch, Martin S. Allen-Auerbach, Fritz C. Eilber, Michael E. Phelps, Johannes Czernin, and Wolfgang A. Weber*
- 1047** Does Reducing CT Artifacts from Dental Implants Influence the PET Interpretation in PET/CT Studies of Oral Cancer and Head and Neck Cancer?  
*Claude Nahmias, Catherine Lemmens, David Faul, Eric Carlson, Misty Long, Todd Blodgett, Johan Nuyts, and David Townsend*
- 1053**  $^{18}\text{F}$ -FDG Uptake in Reactive Neck Lymph Nodes of Oral Cancer: Relationship to Lymphoid Follicles  
*Tassei Nakagawa, Masatoshi Yamada, and Yoshio Suzuki*

- 1060** Initial Direct Comparison of  $^{99\text{m}}\text{Tc}$ -TOC and  $^{99\text{m}}\text{Tc}$ -TATE in Identifying Sites of Disease in Patients with Proven GEP NETs  
*Jaroslav B. Cwikla, Renata Mikolajczak, Dariusz Pawlak, John R. Buscombe, Anna Nasierowska-Guttmejer, Andrzej Bator, Helmut R. Maecke, and Jerzy Walecki*
- 1066** Antibody Mass Escalation Study in Patients with Castration-Resistant Prostate Cancer Using  $^{111}\text{In}$ -J591: Lesion Detectability and Dosimetric Projections for  $^{90}\text{Y}$  Radioimmunotherapy  
*Neeta Pandit-Taskar, Joseph A. O'Donoghue, Michael J. Morris, Eze A. Wills, Lawrence H. Schwartz, Mithat Gonen, Howard I. Scher, Steven M. Larson, and Chaitanya R. Divgi*
- 1075** Motion-Frozen Myocardial Perfusion SPECT Improves Detection of Coronary Artery Disease in Obese Patients  
*Yasuyuki Suzuki, Piotr J. Slomka, Arik Wolak, Muneo Ohba, Shoji Suzuki, Ling De Yang, Guido Germano, and Daniel S. Berman*
- 1080** Comparison of Simultaneous Dual-Isotope Multipinhole SPECT with Rotational SPECT in a Group of Patients with Coronary Artery Disease  
*Peter P. Steele, Dennis L. Kirch, and John E. Koss*
- 1090** Spatial Relationship Between Coronary Microvascular Dysfunction and Delayed Contrast Enhancement in Patients with Hypertrophic Cardiomyopathy  
*Barbara Sotgia, Roberto Sciagra, Iacopo Olivetto, Giancarlo Casolo, Luigi Rega, Irene Betti, Alberto Pupi, Paolo G. Camici, and Franco Cecchi*
- 1097** Design and Implementation of an Automated Partial Volume Correction in PET: Application to Dopamine Receptor Quantification in the Normal Human Striatum  
*Olivier G. Rousset, D. Louis Collins, Arman Rahmim, and Dean F. Wong*
- 1107** Assessment of Large-Vessel Involvement in Giant Cell Arteritis with  $^{18}\text{F}$ -FDG PET: Introducing an ROC-Analysis-Based Cutoff Ratio  
*Hubertus Hautzel, Oliver Sander, Alexander Heinzl, Matthias Schneider, and Hans-Wilhelm Müller*

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- 1114** Routine Quality Control of Clinical Nuclear Medicine Instrumentation: A Brief Review  
*Pat Zanzonico*

## BASIC SCIENCE INVESTIGATIONS

- 1132** A Prototype PET Scanner with DOI-Encoding Detectors  
*Yongfeng Yang, Yibao Wu, Jinyi Qi, Sara St. James, Huini Du, Purushottam A. Dokhale, Kanai S. Shah, Richard Farrell, and Simon R. Cherry*
- 1141** Direct Imaging of Radionuclide-Produced Electrons and Positrons with an Ultrathin Phosphor  
*Liyang Chen, Lisa S. Gobar, Negar G. Knowles, Zhonglin Liu, Arthur F. Gmitro, and Harrison H. Barrett*

**1146 A Generalizable Strategy for Imaging pre-mRNA Levels in Living Subjects Using Spliceosome-Mediated RNA Trans-Splicing**

Zachary F. Walls, M. Puttaraju, Gary F. Temple, and Sanjiv S. Gambhir

**1155 The Potential of a Radiosensitive Intracerebral Probe to Monitor <sup>18</sup>F-MPPF Binding in Mouse Hippocampus In Vivo**

Aurélie Desbrée, Mathieu Verdurand, Jeremy Godart, Albertine Dubois, Roland Mastrippolito, Frédéric Pain, Laurent Pinot, Thierry Delzescaux, Hirc Gurden, Luc Zimmer, and Philippe Lanièce

**1162 Monitoring the Efficacy of Adoptively Transferred Prostate Cancer-Targeted Human T Lymphocytes with PET and Bioluminescence Imaging**

Konstantin Dobrenkov, Malgorzata Olszewska, Yury Likar, Larissa Shenker, Gertrude Gunset, Shangde Cai, Nagavarakishore Pillarsetty, Hedvig Hricak, Michel Sadelain, and Vladimir Ponomarev

**1171 In Vivo Imaging of  $\beta$ -Cell Mass in Rats Using <sup>18</sup>F-FP-(+)-DTBZ: A Potential PET Ligand for Studying Diabetes Mellitus**

Mei-Ping Kung, Catherine Hou, Brian P. Lieberman, Shunichi Oya, Datta E. Ponde, Eric Blankemeyer, Daniel Skovronsky, Michael R. Kilbourn, and Hank F. Kung

**1177 An Imaging Comparison of <sup>64</sup>Cu-ATSM and <sup>60</sup>Cu-ATSM in Cancer of the Uterine Cervix**

Jason S. Lewis, Richard Laforest, Farrokh Dehdashti, Perry W. Grigsby, Michael J. Welch, and Barry A. Siegel

**1183 Brain Adenosine A<sub>2A</sub> Receptor Occupancy by a Novel A<sub>1</sub>/A<sub>2A</sub> Receptor Antagonist, ASP5854, in Rhesus Monkeys: Relationship to Anticatalytic Effect**

Takuma Mihara, Akihiro Noda, Hiroshi Arai, Kayoko Mihara, Akinori Iwashita, Yoshihiro Murakami, Takahiro Matsuya, Sosuke Miyoshi, Shintaro Nishimura, and Nobuya Matsuoka

**1189 In Vivo PET Imaging of Cardiac Presynaptic Sympathoneuronal Mechanisms in the Rat**

Dnyanesh N. Tipre, James J. Fox, Daniel P. Holt, Gilbert Green, Jianhua Yu, Martin Pomper, Robert F. Dannals, and Frank M. Bengel

**1196 Diuretic Renography in Hydronephrosis: Delayed Tissue Tracer Transit Accompanies Both Functional Decline and Tissue Reorganization**

Andreas Schlotmann, John H. Clorius, Wiltrud K. Rohrschneider, Sandra N. Clorius, Folker Amelung, and Kristianna Becker

**1204 Modeling Spheroid Growth, PET Tracer Uptake, and Treatment Effects of the Hsp90 Inhibitor NVP-AUY922**

Mats Bergstrom, Azita Monazzam, Pasha Razifar, Susan Ide, Raymond Josephsson, and Bengt Langstrom

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## UPCOMING EDUCATION ARTICLES

### SPECT/CT

Andreas K. Buck, Stephan Nekolla, Sibylle Ziegler, Ambros Beer, Bernd J. Krause, Ken Herrmann, Klemens Scheidhauer, Hans-Juergen Wester, Ernst J. Rummeny, Markus Schwaiger, and Alexander Drzezga

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