

SNMMI NEWSLINE

- 11N** 2019 SNMMI Highlights Lecture: Neurosciences
Henryk Barthel
- 19N** Bill Targets Expanded Access to Diagnostic Radiopharmaceuticals
- 20N** Fifth Anniversary of SNMMI Professional Relations Fellowship
Jack Slosky and Katherine Zukotynski
- 21N** SNMMI Leadership Update: Focus on International Diversity and Inclusivity
Vasken Dilsizian
- 22N** From the Literature

DISCUSSIONS WITH LEADERS

- 1191** A Conversation Between Joanna Fowler and Johannes Czernin
Joanna S. Fowler and Johannes Czernin

THE STATE OF THE ART

- 1194** Solid-State Detector SPECT Myocardial Perfusion Imaging
Piotr J. Slomka, Robert J.H. Miller, Lien-Hsin Hu, Guido Germano, and Daniel S. Berman

HOT TOPICS

- 1205** Training Requirements for Theranostics: A Unique Opportunity for Collaboration
Michael M. Graham and John M. Buatti

CONTINUING EDUCATION

- 1207** Vascular Calcification: The Evolving Relationship of Vascular Calcification to Major Acute Coronary Events
H. William Strauss, Takehiro Nakahara, Navneet Narula, and Jagat Narula

ONCOLOGY

Clinical

- 1213** Early Phase I Study of a ^{99m}Tc -Labeled Anti-Programmed Death Ligand-1 (PD-L1) Single-Domain Antibody in SPECT/CT Assessment of PD-L1 Expression in Non-Small Cell Lung Cancer
Yan Xing, Gitasha Chand, Changchun Liu, Gary J.R. Cook, Jim O'Doherty, Lingzhou Zhao, Nicholas C.L. Wong, Levente K. Meszaros, Hong Hoi Ting, and Jinhua Zhao

- 1221** Assessment of Simplified Methods for Quantification of ^{18}F -FDHT Uptake in Patients with Metastatic Castration-Resistant Prostate Cancer
Gerbrand M. Kramer, Maqsood Yaqub, Herbert A. Vargas, Robert C. Schuit, Albert D. Windhorst, Alfonsus J.M. van den Eertwegh, Astrid A.M. van der Veldt, Andries M. Bergman, Eva M. Burnazi, Jason S. Lewis, et al.

- 1228** Frequency, Determinants, and Costs of Recommendations for Additional Imaging in Clinical ^{18}F -FDG PET/CT Reports
Hasan M. Alesawi, Derya Yakar, Andor W.J.M. Glaudemans, and Thomas C. Kwee

- 1234** Early Detection of Multiorgan Light-Chain Amyloidosis by Whole-Body ^{18}F -Florbetapir PET/CT
Eric C. Ehman, M. Samir El-Sady, Marie F. Kijewski, Yiu Ming Khor, Sophia Jacob, Frederick L. Ruberg, Vaishali Sanchorawala, Heather Landau, Andrew J. Yee, Giada Bianchi, et al.

Basic

- 1240** Combination of 5-Fluorouracil with Epigenetic Modifiers Induces Radiosensitization, Somatostatin Receptor 2 Expression, and Radioligand Binding in Neuroendocrine Tumor Cells In Vitro
Xi-Feng Jin, Christoph J. Auernhammer, Harun Ilhan, Simon Lindner, Svenja Nölting, Julian Maurer, Gerald Spöttl, and Michael Orth
- 1247** ^{18}F -Fluoroestradiol PET Imaging of Activating Estrogen Receptor- α Mutations in Breast Cancer
Manoj Kumar, Kelley Salem, Ciara Michel, Justin J. Jeffery, Yongjun Yan, and Amy M. Fowler

THERANOSTICS

Clinical

- 1253** The Contribution of Multiparametric Pelvic and Whole-Body MRI to Interpretation of ^{18}F -Fluoromethylcholine or ^{68}Ga -HBED-CC PSMA-11 PET/CT in Patients with Biochemical Failure After Radical Prostatectomy
Ur Metser, Sue Chua, Bao Ho, Shonit Punwani, Edward Johnston, Frederic Pouliot, Noam Tau, Asmaa Hawsawy, Reut Anconina, Glenn Bauman, et al.
- 1259** Parameters to Predict Progression-Free and Overall Survival After Peptide Receptor Radionuclide Therapy: A Multivariate Analysis in 782 Patients
Else A. Aalbersberg, Daphne M.V. Huizing, Iris Walraven, Berinda J. de Wit-van der Veen, Harshad R. Kulkarni, Aviral Singh, Marcel P.M. Stokkel, and Richard P. Baum
- 1266** ■ **FEATURED ARTICLE OF THE MONTH.** ^{111}In -Pentetreotide Scintigraphy Versus ^{68}Ga -DOTATATE PET: Impact on Krenning Scores and Effect of Tumor Burden
Thomas A. Hope, Jeremie Calais, Li Zhang, William Dieckmann, and Corina Millo
- 1270** First Clinicopathologic Evidence of a Non-PSMA-Related Uptake Mechanism for ^{68}Ga -PSMA-11 in Salivary Glands
Niels J. Rupp, Christoph A. Umbricht, Daniele A. Pizzuto, Daniela Lenggenhager, Antonia Töpfer, Julian Müller, Urs J. Muehlemaier, Daniela A. Ferraro, Michael Messerli, Grégoire B. Morand, et al.

1277 **qPSMA: Semiautomatic Software for Whole-Body Tumor Burden Assessment in Prostate Cancer Using ⁶⁸Ga-PSMA11 PET/CT**

Andrei Gafita, Marie Bieth, Markus Krönke, Giles Tetteh, Fernando Navarro, Hui Wang, Elisabeth Günther, Bjoern Menze, Wolfgang A. Weber, and Matthias Eiber

Basic

1284 **Preclinical Evaluation and Pilot Clinical Study of Al¹⁸F-PSMA-BCH for Prostate Cancer PET Imaging**

Teli Liu, Chen Liu, Xiaoxia Xu, Fei Liu, Xiaoyi Guo, Nan Li, Xuejuan Wang, Jianhua Yang, Xing Yang, Hua Zhu, et al.

1293 ■ **FEATURED BASIC SCIENCE ARTICLE. Synergistic Effect of a Mesothelin-Targeted ²²⁷Th Conjugate in Combination with DNA Damage Response Inhibitors in Ovarian Cancer Xenograft Models**

Katrine Wickstroem, Urs B. Hagemann, Véronique Cruciani, Antje M. Wengner, Alexander Kristian, Christine Ellingsen, Gerhard Siemeister, Roger M. Bjerke, Jenny Karlsson, Olav B. Ryan, et al.

1301 **Enhancement of ²¹¹At Uptake via the Sodium Iodide Symporter by the Addition of Ascorbic Acid in Targeted α -Therapy of Thyroid Cancer**

Tadashi Watabe, Kazuko Kaneda-Nakashima, Yuwei Liu, Yoshifumi Shirakami, Kazuhiro Ooe, Atsushi Toyoshima, Eku Shimosegawa, Mitsuhiro Fukuda, Atsushi Shinohara, and Jun Hatazawa

CARDIOVASCULAR

Basic

1308 **In Vivo Translation of the CIRPI System: Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques**

Raiyan T. Zaman, Siavash Yousefi, Hidetoshi Chibana, Fumiaki Ikeno, Steven R. Long, Sanjiv S. Gambhir, Frederick T. Chin, Michael V. McConnell, Lei Xing, and Alan Yeung

IMMUNOLOGY

Basic

1317 **Small-Animal PET/CT Imaging of Local and Systemic Immune Response Using ⁶⁴Cu- α CD11b**

Qizhen Cao, Qian Huang, Chandra Mohan, and Chun Li

RADIOCHEMISTRY

Basic

1325 **Molecular Imaging of the Glomerulus via Mesangial Cell Uptake of Radiolabeled Tilmanocept**

Zhengtao Qin, Carl K. Hoh, Emilia S. Olson, Amin Haghghat Jahromi, David J. Hall, Christopher V. Barback, Young-Hyun You, Motoko Yanagita, Kumar Sharma, and David R. Vera

DEPARTMENTS

10A This Month in JNM

1333 Book Reviews

1334 Letters to the Editor