SNMMI Annual Grants & Awards Recognition

2023 RECIPIENTS
SNMMI provides more than $400,000 annually to advance nuclear medicine, molecular imaging and therapy, fund professional development efforts, and promote the next generation of researchers. The SNMMI Grants and Awards Program provides the opportunity for international recognition, highlighting groundbreaking accomplishments within our specialty as well as contributions to the Society at large.

Distribution of SNMMI and SNMMI-TS grants, awards, and scholarships is contingent upon available funding. Thank you to our donors who represent the Society’s commitment to advancing nuclear medicine, molecular imaging, and therapy.

SPONSOR ACKNOWLEDGEMENT:

Additional supporters of the 2023 SNMMI and SNMMI-TS grants, awards, and scholarships include:

- SNMMI-TS Professional Development and Education Fund (PDEF)
- American Registry of Radiologic Technologist (ARRT)
- Nihon Medi-Physics LLC
- The Henry Wagner Family
- SNMMI Women in Nuclear Medicine Committee (WINM)
- Global Advanced Imaging, PLLC
- SNMMI Value initiative
- SNMMI Mars Shot Fund

We are proud to present the SNMMI and SNMMI-TS Grants and Awards Recognition for 2023. We invite you to learn more about these recipients through this comprehensive guide of SNMMI honors:

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2023 HIGHLIGHTS

The SNMMI Annual Meeting provides the opportunity to present and publish innovative scientific investigations to a global audience of medical imaging professionals. These awards recognize the top research presented at the SNMMI 2023 Annual Meeting.

HENRY N. WAGNER, JR, MD IMAGE OF THE YEAR

Each year, SNMMI chooses an image that best exemplifies the most promising advances in the field of nuclear medicine and molecular imaging. The state-of-the-art technologies captured in these images demonstrate the capacity to improve patient care by detecting disease, aiding diagnosis, improving clinical confidence, and providing a means of selecting appropriate treatments. This year, the SNMMI Henry N. Wagner, Jr., MD, Image of the Year was chosen from all the abstracts submitted to the SNMMI Annual Meeting and voted on by both the reviewers and the society leadership.

First-in-human study of the theranostic pair [\(^{68}\text{Ga}\)]Ga DOTA-5G and [\(^{177}\text{Lu}\)]Lu DOTA-ABM-5G in pancreatic adenocarcinoma

HENRY N. WAGNER, JR., MD BEST PAPER OF THE YEAR AWARD

This award recognizes outstanding science and identifies the top abstract presented at the meeting each year. This award celebrates the considerable contribution of Henry N. Wagner, Jr., MD, to the fields of nuclear medicine and molecular imaging and is selected using Dr. Wagner’s long-standing criteria: Is it true? Is it new? Is it well-designed? And is it meaningful? The award is selected by a panel of experts, including representatives from the Scientific Program Committee and SNMMI Leadership.

For research on Iomab-B in relapsed refractory acute myeloid leukemia the results of a safety and efficacy pivotal phase 3 SIERRA trial: Individualized dosing for high-dose targeted radiation of hematopoietic cells with Iomab-B (I131-apamistamab) prior to HCT in relapsed refractory acute myeloid leukemia (R/R AML): Safety and efficacy results from the pivotal phase 3 SIERRA trial.

2023 Recipient
Neeta Pandit-Tasker, MD — Memorial Sloan Kettering Cancer Center
GEORGE CHARLES DE HEVESY NUCLEAR PIONEER AWARD
SNMMI has given the George Charles de Hevesy Nuclear Medicine Pioneer Award every year since 1960 to honor groundbreaking work in the field of nuclear medicine. De Hevesy received the 1943 Nobel Prize in chemistry for his work in determining the absorption, distribution, metabolism and elimination of radioactive compounds in the human body. His work led to the foundation of nuclear medicine as a tool for diagnosis and therapy, and he is considered the father of nuclear medicine.

2023 Recipient
Nizar A. Mullani, BS — President, Translite, LLC

PAUL C. AEBERSOLD, PHD AWARD
First presented in 1973, The Aebersold Award is named for Paul C. Aebersold—a pioneer in the biologic and medical application of radioactive materials and the first director of the Atomic Energy Commission’s Division of Isotope Development. It recognizes outstanding achievement in basic science applied to nuclear medicine.

2023 Recipient
Henry VanBrooklin, PhD, FSNMMI — Professor/Director of Radiopharmaceutical Research, University of California, San Francisco

SAM GAMBHIR, MD TRAILBLAZER AWARD
The Sam Gambhir Trailblazer Award is named after Sanjiv Sam Gambhir, MD, PhD, an internationally recognized pioneer in molecular imaging. Gambhir dedicated his career to developing methods of early disease detection, ushering in a new era of molecular imaging to flag signals of disease in its nascent stages. Within the field of radiology, Gambhir was known for the development of positron emission tomography reporter genes, which can flag molecular activity that signals something’s gone awry in the body. Within the imaging community, he was known as a leader and scientist with sprawling expertise and a work ethic to aspire to. More than that, colleagues and many others who knew him said he was a kind and generous friend, a nurturing mentor, and a catalyst for collaboration.

2023 Recipient
Peter J.H. Scott, PhD, FSNMMI — Associate Professor of Radiology and Pharmacology, Chief of Nuclear Medicine, and Director of the PET Center at the University of Michigan
NEW! MINOSHIMA-PAPPAS TRANSFORMATIVE LEADERSHIP AWARD

The Minoshima-Pappas Transformative Leadership Award recognizes an individual who has made transformative impact in the field and elevated the value of nuclear medicine and molecular imaging. Award recipients must have initiated, developed, and successfully implemented unique and significant transformative value within the field of Nuclear Medicine and Molecular Imaging. Examples include high impact discovery and publication that have changed patient care, initiation of multi-national collaborative research, revolutionizing education methods, practice changing quality management, regulatory and/or legislative transformations, innovative outreach to patients and other stakeholders, and so on.

2023 Recipient
Umar Mahmood, MD, FSNMMI

NEW! WINM SHE PAVED THE WAY LIFETIME ACHIEVEMENT AWARD

The Women in Nuclear Medicine She Paved the Way Lifetime Achievement Award recognizes women that have dedicated a significant part of their career to “paving the way” for other women in the field of Nuclear Medicine and Molecular Imaging.

2023 Recipient
Leonie Gordon, MD, FACNM, FSNMMI

NEW! WINM RISING STAR AWARD

The Women in Nuclear Medicine Rising Star Award recognizes women in Nuclear Medicine that are early career professionals and provides the next generation of leaders to benefit from recognition early in their career.

2023 Recipient
Raiyan Zaman, PhD, MSEE
NEW! SIPRA AND GOPAL SAHA SCHOLARSHIP

The Sipra and Gopal Saha Scholarship will be awarded to the highest ranking theranostics abstract presented by a nuclear medicine resident and nuclear medicine technologist as first author.

2023 Recipient
Ahmed Abdelrahman, MD

2023 Recipient
Freddy Gonzales, CNMT

NEW! LALITA & MATTHEW THAKUR AWARD

The Lalita & Mathew Thakur Award is for outstanding investigation in Translational Nuclear Medicine and Molecular Imaging will serve as a token of Lalita’s appreciation of all those at SNMMI who contribute extensively to improve the quality of life of patients worldwide.

2023 Recipient
Hanwen Zhang, PhD
SNMMI-TS SPOTLIGHT

SNMMI-TS LIFETIME ACHIEVEMENT AWARD
Reserved for individuals who have made significant contributions to the field of Nuclear Medicine, to our chapters and to the Technologist Section

2023 Recipient
Norman E. Bolus, MSPH, MPH CNMT, FSNMMI-TS
For outstanding dedication to the field of nuclear medicine through leadership as the SNMMI-TS President, vision as Editor of the JNMT, dedication as an educator, thoughtfulness as a mentor and compassion as a friend.

SNMMI-TS ADVOCATE OF THE YEAR
Awarded to an individual who has made significant contributions to advancing advocacy efforts at the state and federal level.

2023 Recipient
Cheryl Rickley, CNMT, FSNMMI-TS
For outstanding advocacy efforts at the local, state, and national level.

SNMMI-TS/ERF OUTSTANDING TECHNOLOGIST
Recognizes SNMMI-TS members who have demonstrated outstanding service and dedication to the field of nuclear medicine technology.

2023 Recipient
Joby MacLean, MHA, CNMT — Manager, Nuclear Medicine Department, Cincinnati Children’s Hospital
For outstanding leadership and for amazing efforts as a volunteer leader within the SNMMI-TS.

SNMMI-TS/ERF KATHY E. THOMPSON-HUNT OUTSTANDING EDUCATOR
Recognizes SNMMI-TS members who have demonstrated outstanding service and dedication to the field of nuclear medicine technology.

2023 Recipient
Jay Smith, MA, CNMT, RT(R)(N) — Clinical Coordinator, Nuclear Medicine Technology Program, University of Iowa Hospitals and Clinics
For advancing and promoting the field of Nuclear Medicine Technology through outstanding work in education.
SNMMI SERVICE AWARDS

SNMMI FELLOWSHIP

SNMMI Fellowship is one of the most prestigious formal recognition available to long-time SNMMI members and symbolizes distinguished service to SNMMI, as well as exceptional achievement in the field of nuclear medicine and molecular imaging.

SNMMI Fellows Class of 2023

- Ramsey Badawi, PhD
  Northern California Chapter
  Member Since 2000

- Erinn Grady, MD, CCD, FACNM
  Southeastern Chapter
  Member Since 2008

- John Hoffman, MD
  Pacific Northwest Chapter
  Member Since 1985

- Andrei Iagaru, MD, FACNM
  Northern California Chapter
  Member Since 2004

- Martin Pomper, MD, PhD
  Mid-Eastern Chapter
  Member Since 1996

- Arman Rahmim, PhD
  Pacific Northwest Chapter
  Member Since 2007

- Barry Shulkin, MD, MBA
  Southeastern Chapter
  Member Since 1985

- Gary Ulaner, MD, PhD, FACNM
  Pacific Southwest Chapter
  Member Since 2005

- Andrei H. Iagaru, MD
  For vision and leadership as the Chair of the Section Chiefs - Theranostic Leadership and Operations Group (TLOG).

- Virginia Pappas, CAE, FSNMMI(H), FSNMMI-TS(H)
  Honorary Fellowship

SNMMI PRESIDENT DISTINGUISHED SERVICE AWARD

The SNMMI Presidential Distinguished Service Award is given to individuals who made a significant impact within SNMMI during the presidential tenure of Munir Ghesani, MD. The individuals being recognized this year have been instrumental to SNMMI’s virtual education efforts.

2023 Recipients

- Andrei H. Iagaru, MD
  For vision and leadership as the Chair of the Section Chiefs - Theranostic Leadership and Operations Group (TLOG).

- Amol Takalkar, MD, MS, MBA
  For visionary leadership of the IASNM and for facilitating collaborations between SNMMI & SNM-India.
Ankit Watts, PhD
For hard work and commitment showcasing the 2023 SNMMI Highlight country’s accomplishments and for encouraging research from India.

Harkirat Singh, MD
For successfully leading SNM-India as President and for coordinating highlight country activities.

Nasrin Ghesani, MD
For leadership and support in taking care of patients, ongoing trials and the theranostics program.

Somali Gavane, MD
For supervising one of the most successful and trailblazing nuclear medicine training programs in the USA.

Anthony Hafez, DO
For exemplary skills including theranostics, passionate patient care, IT & informatics, training, and education.

Mike Sathekge, MD, PhD
For advancing cutting edge theranostics and for improving access throughout the world.

John Sunderland, PhD, FSNMNI
For outstanding vision and leadership as Co-Chair of the Clinical Trials Network and Nuclear Medicine Clinical Trial Group, LLC.

Richard L. Wahl, MD, FSNMNI
For outstanding vision and leadership in the creation of the SNMMI Mars Shot – Funding Innovation for the Future of Nuclear Medicine.

Adina L. Alazraki, MD
For extraordinary service and leadership serving the nuclear medicine and molecular imaging community on the COVID-19 Task Force.
SNMMI ANNUAL GRANTS AND AWARDS RECOGNITION

SNMMI PRESIDENT DISTINGUISHED SERVICE AWARD CONTINUED

Mark H. Crosthwaite, CNMT, FSNMMI-TS
For extraordinary service and leadership serving the nuclear medicine and molecular imaging community on the COVID-19 Task Force.

Stephen C. Dragotakes, BS, RPh, BCNP, FAPhA
For extraordinary service and leadership serving the nuclear medicine and molecular imaging community on the COVID-19 Task Force.

Heather Jacene, MD
For extraordinary service and leadership serving the nuclear medicine and molecular imaging community on the COVID-19 Task Force.

Ryan Niederkohr, MD
For extraordinary service and leadership serving the nuclear medicine and molecular imaging community on the COVID-19 Task Force.

Alan B. Packard, PhD, FSNMMI
For extraordinary service and leadership serving the nuclear medicine and molecular imaging community on the COVID-19 Task Force.

Heiko Schoder, MD, MBA, FSNMMI
For extraordinary service and leadership serving the nuclear medicine and molecular imaging community on the COVID-19 Task Force.

Pat B. Zanzonico, PhD
For extraordinary service and leadership serving the nuclear medicine and molecular imaging community on the COVID-19 Task Force.

SNMMI PRESIDENT DISTINGUISHED EDUCATOR
Recognizes SNMMI members who have demonstrated outstanding service and dedication to the field of nuclear medicine through their educational efforts.

2023 Recipients

Twyla B. Bartel, DO, FSNMMI
For extraordinary commitment to the global education and training of nuclear medicine.

Tracy L. Yarbrough, MD, PhD, MAEd
For extraordinary commitment to the global education and training of nuclear medicine.
SNMMI-TS SERVICE AWARDS

SNMMI-TS FELLOWSHIP

SNMMI-TS Fellowship recognizes members of the Technologist Section who have demonstrated leadership and have made a significant contribution to the profession of Nuclear Medicine Technology.

SNMMI-TS Fellows Class of 2023

Julie Bolin, MS, CNMT
Pacific Southwest Chapter
Member Since 2007

Cynthia Brodnax, CNMT, NMTCB(CT)(RS)
Southeastern Chapter
Member Since 2000

Geoffrey Currie, PhD, BPharm, MMRS, CNMT
International Member
Member Since 1990

Gary D. Gallamore, CNMT
Greater New York Chapter
Member Since 1980

Sarah Gibbons, MBA, CNMT, NMTCB(CT)
Central Chapter
Member Since 2014

Sara L. Johnson, EdS, CNMT, RT(N)(CT)
Southeastern Chapter
Member Since 2002

Matthew McMahon, MS, CNMT, RT(CT)
New England Chapter
Member Since 2007

Clay Nuquist, BS, CNMT, PET
Mid-Eastern Chapter
Member Since 1990

Honorary Fellowship

Virginia Pappas, CAE, FSNNMMI(H), FSNNMMI-TS(H)

SNMMI-TS PRESIDENTIAL DISTINGUISHED SERVICE AWARD

The 2023 Presidential Distinguished Service Award winners are given to individuals who made a significant impact during the presidential tenure of Krystle W. Glasgow, MIS, CNMT, NMTCB(CT), NMAA, FSNNMMI-TS. The individuals being recognized for this have shown exceptional leadership and have provided strategic guidance in the areas of education and research.

2023 Recipients

C. David Gilmore, EdD, CNMT, NCT, RT(R)(N), FSNNMMI-TS
For exceptional efforts on the EANM HIDA chapter, extraordinary leadership and friendship.

Dmitry Beyder, MPA, CNMT
For strategic direction and outstanding accomplishments with Workforce Pipeline.

SNMMI ANNUAL GRANTS AND AWARDS RECOGNITION
SNMMI-TS SERVICE AWARDS

SNMMI-TS PRESIDENTIAL DISTINGUISHED SERVICE AWARD CONT.

Dusty M. York, CNMT, PET, RT(N)(CT)
For mentorship, friendship and leadership as President and Immediate Past President.

Jon A. Baldwin, DO, MBBS
For always being a champion of Nuclear Medicine Technologists and empowering synergetic efforts in moving the field into the future.

Amy B. Brady, MAED, CNMT
For mentorship, passion, and support as a leader at the University of Alabama (UAB) and within the SNMMI-TS.

Nikki Wenzel-Lamb, MBA, CAE
For mentorship, passion and support of the SNMMI-TS.

COUNCIL & CENTER AWARDS

SNMMI Councils and Centers of Excellence provide additional professional networking and educational programs for members, including opportunities for specialty lectures, awards, and grants recognizing work in specific areas of practice within nuclear medicine.

ACADEMIC COUNCIL

Tom Miller Memorial Lecture Award
The award was created to recognize the late Tom Miller, MD, PhD. Dr. Miller served as one of SNMMI’s Scientific Program Committee Chairs for many years. His dedication to the society and the field were outstanding. The award recipient will receive a plaque and be expected to present a lecture during the Tom Miller session during the SNNMI Annual Meeting.

Twyla Bartel, DO, FACNM, FSNMMI

Academic Council Distinguished Service Award
The Academic Council Distinguished Service Award was established to recognize individuals within nuclear medicine who have distinguished themselves through a career dedicated to the advancement of patient care through academic achievement and education. This individual has also demonstrated extraordinary leadership and dedication to the council.

Erica Cohen Major, DO, MPH, FACNM
BRAIN IMAGING COUNCIL
Kuhl Lassen Award
The highest award of SNMMI's Brain Imaging Council was created to honor two founding pioneers in functional brain imaging: SNMMI member David E. Kuhl, M.D., and Nils Lassen. The Kuhl-Lassen Award is given annually to recognize a scientist who has made outstanding contributions and whose research in and service to the discipline of functional brain imaging is of the highest caliber.

Henryk Barthel, MD

CORRELATIVE IMAGING COUNCIL
Barry Siegel Lecture
Honors an individual who had made groundbreaking and consistent educational contributions to correlative imaging and to SNMMI and the Physics, Instrumentation, and Data Sciences Council. Dr. Barry Siegel made outstanding contributions to correlative imaging, namely, regarding the National Oncologic PET Registry (NOPR) and its tremendous impact on PET/CT imaging and reimbursement.

Michael Graham, PhD, MD, FACR, FSNMMI

CARDIOVASCULAR COUNCIL
Hermann Blumgart Award
The highest award and honor bestowed by the Cardiovascular Council, based on scientific contributions to the field of cardiovascular nuclear medicine and service to the Council.

James Thackeray, PhD

Cardiovascular Council Outstanding Educator Award Lecture
Recognizes a current CVC member who has made extraordinary and consistent educational contributions to the nuclear cardiology community and to the SNMMI.

Jamie Bourque, MD

GENERAL CLINICAL NUCLEAR MEDICINE COUNCIL
General Clinical Nuclear Medicine Council Lecture Award
Recognizes a speaker who will present insights on the value of general clinical nuclear medicine in clinical practice as procedures, which remain bread-&-butter studies in many departments, paved the way for today’s targeted imaging and therapy and many of today’s nuclear medicine practitioners owe their careers to these procedures.

Andrew (Tip) Taylor, MD, FACNM, FSNMMI

General Clinical Nuclear Medicine Council Lifetime Achievement Award
Recognizes those physicians and scientists who have distinguished themselves through a career dedicated to the advancement of patient care through the field of Nuclear Medicine. These individuals will have provided outstanding contributions to the general nuclear medicine subspecialties including urogenital, pulmonary, musculoskeletal, endocrine and gastrointestinal imaging that have advanced the field to allow improved clinical diagnosis and patient care.

Alan Maurer, MD, FSNMMI
COUNCIL & CENTER AWARDS

PEDIATRIC IMAGING COUNCIL

Conway-Treves Senior Investigator Award
The PIC Conway-Treves SIA award was developed to recognize 2 pioneers in the pediatric imaging field who have made enormous scientific contributions to our subspecialty of pediatric nuclear medicine: Dr. James Conway and Dr. Ted Treves. The Conway-Treves Senior Investigator Award will be given to senior scientists and physician-scientists who have contributed greatly to our subspecialty of pediatric nuclear medicine as a scientist, teacher, mentor and leader, or who have contributed substantially to the work of the Society of Nuclear Medicine or the SNMMI Pediatric Imaging Council.

Barry Shulkin, MD

RADIOPHARMACEUTICAL SCIENCES COUNCIL

Berson-Yalow Award
Celebrates the contributions of Solomon A. Berson, MD, and Rosalyn S. Yalow, PhD (Nobel Laureate 1977), who pioneered the principle of the competitive binding assay and used it to develop the field of radioimmunoassay, which become a mainstay of early nuclear medicine. Since radioimmunoassay is no longer used extensively, this award will continue to recognize outstanding original work in the field of Nuclear Medicine and recognize the use of competitive receptor-binding assays in vitro and/or in vivo.

Xuedan Wu, PhD

PHYSICS, INSTRUMENTATION, AND DATA SCIENCES COUNCIL

Hoffman Lecture Award
The highest award of SNMMI’s Physics, Instrumentation, and Data Sciences Council created to honor the memory of Professor Edward J. Hoffman. It recognizes scientists in the field of nuclear medicine for their service and devotion to research and development of nuclear medicine instrumentation and to educating and training the next generation of scientists.

Ronald Boellaard, PhD

Michael J. Welch Postdoctoral Travel Grant
Awarded to a post-doctoral individual who has demonstrated a novel approach to radiochemistry.

Steven Liang, PhD

Tracey Lynn Faber Award
Given each year to support advancement of women in medical imaging sciences. The Award is given either to an individual who has significantly promoted the advancement of women in medical imaging sciences, or to a woman in early- or mid-career who has made significant contributions to medical imaging sciences.

Qiu Huang, PhD

Sally W. Schwarz, MS, RPh, BCNP, FAPhA

Michael J. Welch Award
Recognizes individuals who have made an outstanding contribution to the field of radiopharmaceutical sciences, have been involved in mentoring students, postdoctoral fellows and junior faculty, and have been involved in community service to the field of radiopharmaceutical chemistry and molecular imaging.

Michael J. Welch, MD

Steven Liang, PhD
SNMMI ANNUAL GRANTS AND AWARDS RECOGNITION

COUNCIL & CENTER AWARDS

RADIOPHARMACEUTICAL SCIENCES COUNCIL

Sally W. Schwarz Award for Outstanding Contribution in Radiopharmacy
The Sally W. Schwarz Award was created as a means of recognizing individuals who have made an outstanding contribution to the field of radiopharmacy. This contribution can be in the form of radiopharmaceutical development, production and/or translation of radiopharmaceuticals for nuclear medicine and molecular imaging, and/or significant contributions to the regulatory oversight of radiopharmaceutical supply and administration, and/or in the mentoring and education of the next generation of radiopharmacists.

Freda Crawford, CNMT

THERAPY CENTER OF EXCELLENCE

Saul Hertz Award
Established in honor of the professional achievements of Dr. Hertz as the pioneer of Radioiodine Therapy, this award recognizes individuals who have made outstanding contributions to radionuclide therapy.

James Ponto, MS, RPh, BCNP

RODNEY HICKS, MD

CENTER FOR MOLECULAR IMAGING INNOVATION AND TRANSLATION

SNMMI CMIIT Laboratory Professional Recognition Award for Contributions to Molecular Imaging
Recognizes innovative/novel and high-impact tools, techniques, and practices in molecular imaging laboratory professionals. Its purpose is to promote the innovative efforts and exemplary accomplishments by individuals in the lab who may not have the opportunity to receive recognition in other arenas.

Homer Macapinlac, MD, FACNM

PET CENTER OF EXCELLENCE

Peter E. Valk, MD, Memorial Lectureship
Created to honor the memory of Dr. Valk, a pioneer in the establishment of PET as an important clinical study, this Award recognizes individuals who have made significant contributions to the advancement of PET, including PET/CT, PET/MRI and other emerging technologies, as well as those individuals who are dedicated to the PET Center of Excellence.

Sally W. Schwarz Award for Outstanding Contribution in Radiopharmacy
The Sally W. Schwarz Award was created as a means of recognizing individuals who have made an outstanding contribution to the field of radiopharmacy. This contribution can be in the form of radiopharmaceutical development, production and/or translation of radiopharmaceuticals for nuclear medicine and molecular imaging, and/or significant contributions to the regulatory oversight of radiopharmaceutical supply and administration, and/or in the mentoring and education of the next generation of radiopharmacists.

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Homer Macapinlac, MD, FACNM

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NEW! MARS SHOT RESEARCH FUND
This grant is one of five awarded in the inaugural year of the new SNMMI Mars Shot Research Fund, which was established to provide resources that translate visionary nuclear medicine imaging, radiopharmaceutical therapy and data science research or projects into tools or treatments that will help improve the lives of patients.

2023 Recipients:
Amir Iravani, MD; Paul Ellison, PhD; Peter Scott, PhD; Melanie Sanford, PhD; Craig Levin, PhD; Randy Yeh, MD; and Julie Sutcliffe, PhD

NEW! SNMMI-LOBULAR BREAST CANCER ALLIANCE INVASIVE LOBULAR CARCINOMA IMAGING RESEARCH GRANT
Research projects that focus on ILC studies and that include radionuclide imaging or therapy are of a particular interest and will be favored during the review process. Priority projects may have radionuclide imaging as the primary focus of the proposed research, or alternatively, research may investigate methods that integrate other imaging and/or molecular science with radionuclide methods, including research focusing on hybrid imaging techniques such as PET/CT, SPECT/CT and PET/MRI.

2023 Recipient: Marina Sharifi, MD, PhD

MITZI & WILLIAM BLAHD, MD, PILOT RESEARCH GRANT
Supports a basic or clinical scientist in the early stages of their career conducting research that may lead to further funding.

2023 Recipient: Israt S. Alam, PhD

SNMMI-TS CAREER ADVANCEMENT GRANT
Supports nuclear medicine technologists pursuing additional educational opportunities to advance their professional career.

2023 Recipients: Melody Yarbrough, CNMT, RT(N); Kathryn Beaulieu, BS, CNMT, PET, RT(N)(CT); Dylan Shimerda, CNMT; David Kelkis, CNMT, NMTCB(CT); Holly Karsch, CNMT; Nicole Beaulieu, CNMT; Sarah Frye, MBA, CNMT, PET, CCRP

MEDICAL & SCIENCE STUDENT RESEARCH GRANT
Supports the participation of high-achieving students in a molecular imaging/therapy research project, introducing them to molecular imaging and targeted radiotherapy as a potential career path.

2023 Recipients: Vibha Balaji, Grayson Gimblet, Kelly Trinh, Peter Sang Uk Park, Maliha Imami, Huitian Xia, Kweku Enninful, Abhijit Bhattaru

2023-2025 ERF SNMMI MOLECULAR IMAGING RESEARCH GRANT FOR JUNIOR ACADEMIC FACULTY AWARD
Supports one junior faculty member in an academic/research setting, and to enable them to engage in Molecular Imaging research related to diagnostic or therapeutic applications.

2023 Recipient: Remco Bastiaanen, MSc
2023 SCHOLARSHIPS

SUSAN C. WEISS CLINICAL ADVANCEMENT SCHOLARSHIP
In honor of Susan C. Weiss, SNMMI-TS past president and former executive director of the Education and Research Foundation for SNMMI, this scholarship serves to support a certified nuclear medicine technologist member who is pursuing clinical advancement through a didactic educational program.

Recipient: Ashlee Thomas, CNMT

PDEF MICKEY WILLIAMS MINORITY SCHOLARSHIP
This scholarship honors the memory of Mickey Williams, a past SNMMI-TS president who immigrated to the United States from Jamaica and supports minority pursuing a two- or four-year degree in nuclear medicine.

Recipient: Leila Alsarag and Jamaica Dean

PDEF PROFESSIONAL DEVELOPMENT SCHOLARSHIP
Serves to support a student who is employed as a technologist and is actively pursuing an advanced degree related to his/her nuclear medicine career.

Recipient: Kathryn M. Beaulieu, BS, CNMT, PET, RT(N)(CT)

ERF SNMMI-TS BACHELOR’S OR MASTER’S DEGREE COMPLETION SCHOLARSHIP
Serves to support current nuclear medicine student technologists in a BS or MS nuclear medicine technology training program or nuclear medicine technologists who are pursuing a BS or MS degree related to their nuclear medicine careers.

Recipients: Fernando Anleu and Leila Alsarag

ERF SNMMI-TS ADVANCED DEGREE SCHOLARSHIP
Serves to support a student who is pursuing an advanced program to advance his/her career in nuclear medicine.

Recipients: Diane Soulek, CNMT, NCT, PET, RT(N) and Kathryn Beaulieu, BS, CNMT, PET, RT(N)(CT)

PAUL COLE TECHNOLOGIST SCHOLARSHIP
Named in memory of Paul Cole, CNMT, President of the SNMMI Technologist Section (SNMMI-TS) in 1986 and known champion of education for technologists, this scholarship supports a student in training (or accepted) at an accredited nuclear medicine technology program.

Recipients: Emily Biscoe, Ewelina Bobak, Sammy Dang, Shelby Harmon, Xavier Hertzner, Chun Kit Ho, Jennifer Knafelc, Lauren Lobner, Jaylee Messmer, Alexah Sloan
THE JOURNAL OF NUCLEAR MEDICINE BEST PAPER AWARDS

EDITORS’ CHOICE AWARD FOR THE BEST CLINICAL ARTICLE IN 2022

is presented to


Theranostics Center for Molecular Radiotherapy and Molecular Imaging, Zentralklinik Bad Berka, Bad Berka, Germany

for

Feasibility, Biodistribution, and Preliminary Dosimetry in Peptide-Targeted Radionuclide Therapy of Diverse Adenocarcinomas Using $^{177}$Lu-FAP-2286: First-in-Humans Results


EDITORS’ CHOICE AWARD FOR THE BEST BASIC SCIENCE ARTICLE IN 2022

is presented to

Ronnie C. Mease, Choong Mo Kang, Vivek Kumar, Sangeeta Ray Banerjee, Il Minn, Mary Brummet, Kathleen L. Gabrielson, Yutian Feng, Andrew Park, Ana P. Kiess, George Sgouros, Ganesan Vaidyanathan, Michael R. Zalutsky, and Martin G. Pomper

Russell H. Morgan Department of Radiology and Radiological Science, Johns Hopkins University School of Medicine, Baltimore, Maryland

for

An Improved $^{211}$At-Labeled Agent for PSMA-Targeted α-Therapy


EDITORS’ CHOICE AWARD FOR THE OVERALL BEST ARTICLE IN 2022

is presented to


Theranostics Center for Molecular Radiotherapy and Molecular Imaging, Zentralklinik Bad Berka, Bad Berka, Germany

for

Feasibility, Biodistribution, and Preliminary Dosimetry in Peptide-Targeted Radionuclide Therapy of Diverse Adenocarcinomas Using $^{177}$Lu-FAP-2286: First-in-Humans Results

EDITORS’ CHOICE AWARD FOR 1ST PLACE ARTICLE IN 2022

is presented to
Geoffrey M. Currie, Marko Trifunovic, Jui Liu, Sang Kim, and Howard Gurney
Faculty of Science, Charles Sturt University, Wagga Wagga, Australia

for

$^{18}$F-DCFPyL PET/CT in Metastatic Renal Cell Carcinoma


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EDITORS’ CHOICE AWARD FOR 2ND PLACE ARTICLE IN 2022

is presented to
Christopher Fecca, Jee Moon, David Posocco, Huaqing Zhao, and Simin Dadparvar
Lewis Katz School of Medicine, Philadelphia, Pennsylvania

for

Accuracy of $^{123}$I-Sodium Thyroid Imaging in Calculating Thyroid Volume


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EDITORS’ CHOICE AWARD FOR 3RD PLACE ARTICLE IN 2022

is presented to
Dhrumil Naik, Sarah Ternan, Rene Degagne, Wanzhen Zeng, and Ran Klein
Department of Mechanical Engineering, University of Ottawa, Ottawa, Ontario, Canada

for

Thyroid Uptake Exceeding 100%: Causes and Prevention


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EDITORS’ CHOICE AWARD FOR BEST CONTINUING EDUCATION ARTICLE IN 2022

is presented to
Krystle Glasgow, Mike Dillard, Eric Hertenstein, Allen Justin, Remo George, and Amy Brady
Nuclear Medicine and Molecular Imaging Sciences Program, Department of Clinical and Diagnostic Sciences, School of Health Professions, University of Alabama at Birmingham, Birmingham, Alabama

for

Going Nuclear with Amino Acids and Proteins: Basic Biochemistry and Molecular Biology Primer for the Technologist


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EDITORS’ CHOICE AWARD FOR BEST EDUCATORS’ FORUM ARTICLE IN 2022

is presented to
Sarah Frye and Jennifer Prekeges
Saint Louis University, St. Louis, Missouri

for

Interview with Nuclear Medicine Technology Educators on the Impact of COVID-19 on Programs, Outcomes, and Employers

**2023 PUBLICATION AWARDS**

**ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022**

**Choice Is Good at Times: The Emergence of \[^{11}Cu\]Cu-DOTATATE-Based Somatostatin Receptor Imaging in the Era of \[^{68}Ga\]Ga-DOTATATE**
National Institutes of Health, Bethesda, Maryland
*J Nucl Med* 2022; 63:1300–1301

**Combined PARP1-Targeted Nuclear Contrast and Reflectance Contrast Enhance Confocal Microscopic Detection of Basal Cell Carcinoma**
Dermatology Service, MSKCC, New York, New York
*J Nucl Med* 2022; 63:912–918

**Combination of Carriers with Complementary Intratumoral Microdistributions of Delivered α-Particles May Realize the Promise for \[^{225}Ac\]Ac in Large, Solid Tumors**
Alaina Howe, Omkar Bhatavdekar, Dominick Salerno, Anders Josephsson, Jesus Pacheco-Torres, Zaver M. Bhujwalla, Kathleen L. Gabrielson, George Sgouros, and Stavroula Sofou
Chemical and Biomolecular Engineering, Institute for NanoBioTechnology, Johns Hopkins University, Baltimore, Maryland

**Synthesis and Preclinical Evaluation of \[^{177}Lu\]Lu-Labeled Radiohybrid PSMA Ligands for Endoradiotherapy of Prostate Cancer**
Chair of Pharmaceutical Radiochemistry, Technical University of Munich, Garching, Germany
*J Nucl Med* 2022; 63:1489–1495

**Optimizing Immuno-PET Imaging of Tumor PD-L1 Expression: Pharmacokinetic, Biodistribution, and Dosimetric Comparisons of \[^{89}Zr\]Zr-Labeled Anti-PD-L1 Antibody Formats**
Alizée Bouleau, Hervé Nozach, Steven Dubois, Dimitri Kereselidze, Céline Chevaleyre, Cheng-I Wang, Michael J. Evans, Vincent Lebon, Bernard Maillère, and Charles Truillet
Paris-Saclay University, CEA, CNRS, INSERM, Multimodal Biomedical Imaging Lab, Orsay, France
*J Nucl Med* 2022; 63:1259–1265

**A Comparison of \[^{18}F\]F-DCFPyL, \[^{18}F\]F-NaF, and \[^{18}F\]F-FDG PET/CT in a Prospective Cohort of Men with Metastatic Prostate Cancer**
Molecular Imaging Branch, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
*J Nucl Med* 2022; 63:735–741

**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
Research and Development Department, Philochem AG, Otelfingen, Switzerland
*J Nucl Med* 2022; 63:1852–1858

**Advances in Detector Instrumentation for PET**
Andrea Gonzalez-Montoro, Muhammad Nasir Ullah, and Craig S. Levin
Department of Radiology, Molecular Imaging Program at Stanford University, Stanford, California
*J Nucl Med* 2022; 63:1138–1144
ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

**Tumor Sink Effect in $^{68}$Ga-PSMA-11 PET: Myth or Reality?**
Ahmanson Translational Theranostics Division, Department of Molecular and Medical Pharmacology, UCLA, Los Angeles, California

**Novel Framework for Treatment Response Evaluation Using PSMA PET/CT in Patients with Metastatic Castration-Resistant Prostate Cancer (RECIPE 1.0): An International Multicenter Study**
Ahmanson Translational Theranostics Division, Department of Molecular and Medical Pharmacology, UCLA, Los Angeles, California

**CD133 as a Biomarker for an Autoantibody-to-ImmunoPET Paradigm for the Early Detection of Small Cell Lung Cancer**
Translational Research Program, Public Health Sciences Division, Fred Hutchinson Cancer Research Center, Seattle, Washington
*J Nucl Med* 2022; 63:1701–1707

**Evolution of $^{18}$F-FDG PET/CT Findings in Patients After COVID-19: An Initial Investigation**
Andrew Thornton, Francesco Fraioli, Simon Wan, Helen S. Garthwaite, Balaji Ganeshan, Robert I. Shortman, Raymond Endozo, Stefan Vöö, Irfan Kayani, Deena Neriman, Leon Menezes, Jamshed Bomanji, Toby Hillman, Melissa Heightman, Joanna C. Porter, and Ashley M. Groves
Institute of Nuclear Medicine, UCLH/UCL, London, United Kingdom

**Study of $^{89}$Zr-Pembrolizumab PET/CT in Patients With Advanced-Stage Non-Small Cell Lung Cancer**
Anna-Larissa N. Niemeijer, Daniela E. Oprea-Lager, Marc C. Huisman, Otto S. Hoekstra, Ronald Boellaard, Berlinda J. de Wit-van der Veen, Idris Bahce, Daniëlle J. Vugts, Guus A.M.S. van Dongen, Erik Thunnissen, Egbert F. Smit, and Adrianus J. de Langen
Department of Pulmonary Diseases, Cancer Center Amsterdam, Amsterdam University Medical Centers, Amsterdam, The Netherlands

**Toward a Patient-Specific Traceable Quantification of SPECT/CT-Based Radiopharmaceutical Distributions**
Anna-Lena Theisen, Michael Lassmann, and Johannes Tran-Gia
Department of Nuclear Medicine, University of Würzburg, Würzburg, Germany
*J Nucl Med* 2022; 63:1108–1116

**Experience with a Perfusion-Only Screening Protocol for Evaluation of Pulmonary Embolism During the COVID-19 Pandemic Surge**
Arun Kumar, Renée M. Moadel, Linda B. Haramati, Kenny Ye, Leonard M. Freeman, and Lionel S. Zuckier
Division of Nuclear Medicine, Montefiore Medical Center and Albert Einstein College of Medicine, Bronx, New York

**Detection of Additional Primary Neoplasms on $^{18}$F-Fluciclovine PET/CT in Patients with Primary Prostate Cancer**
Ashwin Singh Parihar, Lisa R. Schmidt, Farrokh Dehdashti, and Richard L. Wahl
Mallinckrodt Institute of Radiology, Washington University School of Medicine, Saint Louis, Missouri
*J Nucl Med* 2022; 63:713–719
Pretherapeutic Comparative Dosimetry of $^{177}$Lu-rhPSMA-7.3 and $^{177}$Lu-PSMA I&T in Patients with Metastatic Castration-Resistant Prostate Cancer
Department of Nuclear Medicine, School of Medicine, Technical University of Munich, München, Germany

Cyclooxygenases as Potential PET Imaging Biomarkers to Explore Neuroinflammation in Dementia
Bruny V. Kenou, Lester S. Manly, Sara B. Rubovits, Somachukwu A. Umeozulu, Maia G. Van Buskirk, Andrea S. Zhang, Victor W. Pike, Paolo Zanotti-Fregonara, Ioline D. Henter, and Robert B. Innis
Molecular Imaging Branch, National Institute of Mental Health, National Institutes of Health, Bethesda, Maryland
*J Nucl Med* 2022; 63(suppl 1):53S–59S

First In Vivo and Phantom Imaging of Cyclotron-Produced $^{133}$La as a Theranostic Radionuclide for $^{225}$Ac and $^{135}$La
Department of Oncology, Cross Cancer Institute, University of Alberta, Edmonton, Alberta, Canada
*J Nucl Med* 2022; 63:584–590

Comparison of $^{11}$C-Pittsburgh Compound B and $^{18}$F-Flutemetamol White Matter Binding in PET
Department of Radiology, Mayo Clinic, Rochester, Minnesota
*J Nucl Med* 2022; 63:1239–1244

Striatal Acetylcholine–Dopamine Imbalance in Parkinson Disease: In Vivo Neuroimaging Study with Dual-Tracer PET and Dopaminergic PET–Informed Correlational Tractography
Carlos A. Sanchez-Catasus, Nicolaas I. Bohnen, Nicholas D’Cruz, and Martijn L.T.M. Müller
Division of Nuclear Medicine, Department of Radiology, University of Michigan Health System, Ann Arbor, Michigan

Longitudinal Imaging of T Cells and Inflammatory Demyelination in a Preclinical Model of Multiple Sclerosis Using $^{18}$F-FArA G PET and MRI
Department of Physical Therapy and Rehabilitation Science, University of California, San Francisco, San Francisco, California
*J Nucl Med* 2022; 63:140–146

PET Tracing of Biodistribution for Orally Administered $^{64}$Cu-Labeled Polystyrene in Mice
Changkeun Im, Hyeongi Kim, Javeria Zaheer, Jung Young Kim, Yong-Jin Lee, Choong Mo Kang, and Jin Su Kim
Division of Applied RI, Korea Institute of Radiological and Medical Sciences, Seoul, Korea
*J Nucl Med* 2022; 63:461–467

Using $^{68}$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 Wthofs
Medical Oncology Department, University Hospital of Liège, Liège, Belgium
*J Nucl Med* 2022; 63:1815–1821
Prevalence and Outcomes of Cardiac Amyloidosis in All-Comer Referrals for Bone Scintigraphy
Department of Internal Medicine II, Medical University of Vienna, Vienna, Austria

Antibody Engineering for Nuclear Imaging and Radioimmunotherapy
Cindy Rodriguez, Samantha Delaney, Samantha M. Sarrett, Outi M. Keinänen, and Brian M. Zeglis
Department of Chemistry, Hunter College, City University of New York, New York, New York
*J Nucl Med* 2022; 63:1316–1322

Enhancing $^{223}$Ra Treatment Efficacy by Anti-$\beta_1$ Integrin Targeting
Claudia Paindelli, Stefano Casarin, Feng Wang, Luis Diaz-Gomez, Jianhua Zhang, Antonios G. Mikos, Christopher J. Logothetis, Peter Friedl, and Eleonora Dondossola
Department of Genitourinary Medical Oncology and David H. Koch Center for Applied Research of Genitourinary Cancers, University of Texas M.D. Anderson Cancer Center, Houston, Texas

$^{18}$F-FDG PET Improves Baseline Clinical Predictors of Response in Diffuse Large B-Cell Lymphoma: The HOVON-84 Study
Department of Hematology, Amsterdam UMC, Cancer Center Amsterdam, Vrije Universiteit Amsterdam, Amsterdam, The Netherlands
*J Nucl Med* 2022; 63:1001–1007

A Longitudinal PET/MRI Study of Colony-Stimulating Factor 1 Receptor-Mediated Microglia Depletion in Experimental Stroke
Cristina Barca, Amanda J. Kiliaan, Claudia Foray, Lydia Wachsmuth, Sven Hermann, Cornelius Faber, Michael Schäfers, Maximilian Wiesmann, Andreas H. Jacobs, and Bastian Zinnhardt
European Institute for Molecular Imaging, University of Münster, Münster, Germany
*J Nucl Med* 2022; 63:446–452

Short-Term Colony-Stimulating Factor 1 Receptor Inhibition–Induced Repopulation After Stroke Assessed by Longitudinal $^{18}$F-DPA-714 PET Imaging
Cristina Barca, Amanda J. Kiliaan, Lydia Wachsmuth, Claudia Foray, Sven Hermann, Cornelius Faber, Michael Schäfers, Maximilian Wiesmann, Bastian Zinnhardt, and Andreas H. Jacobs
European Institute for Molecular Imaging, University of Münster, Münster, Germany
*J Nucl Med* 2022; 63:1408–1414

Incidental Findings Suggestive of COVID-19 Pneumonia in Oncologic Patients Undergoing $^{18}$F-FDG PET/CT Studies: Association Between Metabolic and Structural Lung Changes
Cristina Gamila Wakfie-Corieh, Federico Ferrando-Castagnetto, Alba María Blanes García, Marta García-García-Esquinias, Álida Ortega Candil, Cristina Rodríguez Rey, María Nieves Cabrera-Martín, Ana Delgado Cano, and José Luis Carreras Delgado
Department of Nuclear Medicine, Hospital Clínico San Carlos, Madrid, Spain

Dosimetric Quantities in Neuroendocrine Tumors over Treatment Cycles with $^{177}$Lu-DOTATATE
Daniel Roth, Johan Gustafsson, Carl Fredrik Warfvinge, Anna Sundlöf, Anna Åkesson, Jan Tennvall, and Katarina Sjögren Gleisner
Department of Medical Radiation Physics, Clinical Sciences Lund, Lund University, Lund, Sweden
*J Nucl Med* 2022; 63:399–405
ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

Impact of ComBat Harmonization on PET Radiomics-Based Tissue Classification: A Dual-Center PET/MRI and PET/CT Study
Department of Radiology, Memorial Sloan Kettering Cancer Center, New York, New York
*J Nucl Med* 2022; 63:1611–1616

Efficient Delay Correction for Total-Body PET Kinetic Modeling Using Pulse Timing Methods
Elizabeth J. Li, Benjamin A. Spencer, Jeffrey P. Schmall, Yasser Abdelhafez, Ramsey B. Badawi, Guobao Wang, and Simon R. Cherry
Department of Biomedical Engineering, University of California Davis, Davis, California
*J Nucl Med* 2022; 63:1266–1273

Imaging Dopaminergic Neurotransmission in Neurodegenerative Disorders
Elon D. Wallert, Elsmarieke van de Giessen, Remco J.J. Knol, Martijn Beudel, Rob M.A. de Bie, and Jan Booj
Department of Radiology and Nuclear Medicine, Amsterdam UMC, University of Amsterdam, Amsterdam, The Netherlands
*J Nucl Med* 2022; 63(suppl 1):27S–32S

Prospective Phase II Trial of Prognostication by $^{68}$Ga-NOTA-AE105 uPAR PET in Patients with Neuroendocrine Neoplasms: Implications for uPAR-Targeted Therapy
Esben Andreas Carlsen, Mathias Loft, Annika Loft, Anne Kill Berthelsen, Seppo W. Langer, Ulrich Knigge, and Andreas Kjaer
Department of Clinical Physiology and Nuclear Medicine & Cluster for Molecular Imaging, Copenhagen University Hospital – Rigshospitalet & Department of Biomedical Sciences, University of Copenhagen, Copenhagen, Denmark
*J Nucl Med* 2022; 63:1371–1377

Latest Advances in Multimodality Imaging of Aortic Stenosis
Evangelos Tzolos, Jacek Kwiecinski, Daniel Berman, Piotr Slomka, David E. Newby, and Marc R. Dweck
British Heart Foundation Centre for Cardiovascular Science, University of Edinburgh, Edinburgh, United Kingdom

Dynamic Amyloid PET: Relationships to $^{18}$F-Flortaucipir Tau PET Measures
Fabio Raman, Yu-Hua Dean Fang, Sameera Grandhi, Charles F. Murchison, Richard E. Kennedy, John C. Morris, Parinaz Massoumzadeh, Tammie Benzinger, Erik D. Roberson, and Jonathan McConathy
Department of Radiology, University of Alabama at Birmingham, Birmingham, Alabama

Precision Surgery Guided by Intraoperative Molecular Imaging
Fereidun Azari, Kevin Zhang, Gregory T. Kennedy, Ashley Chang, Bilal Nadeem, Edward J. Delikatry, and Sunil Singhal
Department of Thoracic Surgery, University of Pennsylvania Perelman School of Medicine, Philadelphia, Pennsylvania
*J Nucl Med* 2022; 63:1620–1627
ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

Repetitive Early $^{68}$Ga-FAPI PET Acquisition Comparing $^{68}$Ga-FAPI-02, $^{68}$Ga-FAPI-46, and $^{68}$Ga-FAPI-74: Methodologic and Diagnostic Implications for Malignant, Inflammatory/Reactive, and Degenerative Lesions
Frederik M. Glatting, Jorge Hoppner, Dawn P. Liew, Antonia van Genabith, Anna-Maria Spektor, Levin Steinbach, Alexander Hubert, Clemens Kratochwil, Frederik L. Giesel, Katharina Dendl, Hendrik Rathke, Hans-Ulrich Kauczor, Peter E. Huber, Uwe Haberkorn, and Manuel Röhrich
Department of Nuclear Medicine, University Hospital Heidelberg, Heidelberg, Germany

Glitter in the Darkness? Nonfibrillar β-Amyloid Plaque Components Significantly Impact the β-Amyloid PET Signal in Mouse Models of Alzheimer Disease
Department of Nuclear Medicine, University Hospital of Munich, LMU Munich, Munich, Germany

Fluorescent Molecular Imaging Can Improve Intraoperative Sentinel Margin Detection in Oral Squamous Cell Carcinoma
Giri Krishnan, Nynke S. van den Berg, Naoki Nishio, Shrey Kapoor, Jaqueline Pei, Laura Freeman, Yu-Jin Lee, Quan Zhou, Stan van Keulen, Shayan Farkurnejad, James Condon, Fred M. Baik, Brock A. Martin, and Eben L. Rosenthal
Department of Otolaryngology–Head and Neck Surgery, Stanford University School of Medicine, Stanford, California
J Nucl Med 2022; 63:1162–1168

Effects of Tracer Uptake Time in Non–Small Cell Lung Cancer $^{18}$F-FDG PET Radiomics
Guilherme D. Kolinger, David Vállez García, Gerbrand Maria Kramer, Virgine Frings, Gerben J.C. Zweerijnen, Egbert F. Smit, Adrianus Johannes de Langen, Irène Buvat, and Ronald Boellaard
Medical Imaging Center, University Medical Center Groningen, University of Groningen, Groningen, The Netherlands
J Nucl Med 2022; 63:919–924

Dosimetric Evaluation of the Effect of Receptor Heterogeneity on the Therapeutic Efficacy of Peptide Receptor Radionuclide Therapy: Correlation with DNA Damage Induction and In Vivo Survival
Giulia Tamborino, Julie Nonnekens, Marije De Saint-Hubert, Lara Struelens, Danny Feijtel, Marion de Jong, and Mark W. Konijnenberg
Research in Dosimetric Application, Belgian Nuclear Research Centre, Mol, Belgium
J Nucl Med 2022; 63:100–107

18F-FDG PET/CT–Based Prognostic Survival Model After Surgery for Head and Neck Cancer
Gwenaelle Creff, Franck Jegoux, Xavier Palard, Adrien Depeursinge, Ronan Abgral, Remi Marianowski, Jean-Christophe Leclere, Thomas Eugene, Olivier Malard, Renaud De Crevoisier, Anne Devillers, and Joel Castelli
Department of Otolaryngology–Head and Neck Surgery (HNS), University Hospital, Rennes, France
J Nucl Med 2022; 63:1378–1385

Modeling Early Radiation DNA Damage Occurring During $^{177}$Lu-DOTATATE Radionuclide Therapy
Giulia Tamborino, Yann Perrot, Marijke De Saint-Hubert, Lara Struelens, Julie Nonnekens, Marion De Jong, Mark W. Konijnenberg, and Carmen Villagrana
Research in Dosimetric Applications, Belgian Nuclear Research Centre, Mol, Belgium
J Nucl Med 2022; 63:761–769

Evaluation of Deep Learning–Based Approaches to Segment Bowel Air Pockets and Generate Pelvic Attenuation Maps from CAIPIRINHA-Accelerated Dixon MR Images
Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital and Harvard Medical School, Charlestown, Massachusetts
J Nucl Med 2022; 63:468–475
ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

Correlation of $^{68}$Ga-RM2 PET with Postsurgery Histopathology Findings in Patients with Newly Diagnosed Intermediate- or High-Risk Prostate Cancer
Division of Nuclear Medicine and Molecular Imaging, Department of Radiology, Stanford University, Stanford, California
J Nucl Med 2022; 63:1829–1835

Antiandrogen Therapy Radiosensitizes Androgen Receptor–Positive Cancers to $^{18}$F-FDG
Indulekha Singaravelu, Henry Spitz, Mary Mahoney, Zhongyun Dong, and Nalinikanth Kotagiri
Division of Pharmaceutical Sciences, James L. Winkle College of Pharmacy, University of Cincinnati, Cincinnati, Ohio

A Radiotracer for Molecular Imaging and Therapy of Gastrin-Releasing Peptide Receptor–Positive Prostate Cancer
Ivica J. Bratanovic, Chengcheng Zhang, Zhengxing Zhang, Hsiou-Ting Kuo, Nadine Colpo, Jutta Zeisler, Helen Merkens, Carlos Uribe, Kuo-Shyan Lin, and François Bénard
BC Cancer, Vancouver, British Columbia, Canada

Machine Learning with $^{18}$F-Sodium Fluoride PET and Quantitative Plaque Analysis on CT Angiography for the Future Risk of Myocardial Infarction
Division of Artificial Intelligence in Medicine, Department of Medicine, Cedars-Sinai Medical Center, Los Angeles, California

Quantitative Radiomics Features in Diffuse Large B-Cell Lymphoma: Does Segmentation Method Matter?
Jakoba J. Eertink, Elisabeth A.G. Pfaehler, Sanne E. Wiegers, Tim van, de Brug, Pieteranna J. Lugtenburg, Otto S. Hoekstra, Josée M. Zijlstra, Henrica C.W. de Vet, and Ronald Boellaard
Department of Hematology, Amsterdam UMC, Vrije Universiteit Amsterdam, Cancer Center Amsterdam, Amsterdam, The Netherlands
ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

Epidermal Growth Factor Receptor–Targeted Fluorescence Molecular Imaging for Postoperative Lymph Node Assessment in Patients with Oral Cancer
Jasper Vonk, Jaron G. de Wit, Floris J. Voskuil, Yang Hang Tang, Wouter T.R. Hooghiemstra, Matthijs D. Linssen, Evert van den Broek, Jan J. Doff, Sebastiaan A.H.J. de Visscher, Kees-Pieter Schepman, Bert van der Vegt, Gooitzen M. van Dam, and Max J.H. Witjes
Department of Oral and Maxillofacial Surgery, University Medical Center Groningen, University of Groningen, Groningen, The Netherlands
*J Nucl Med* 2022; 63:672–678

Relative Strengths of Three Linearizations of Receptor Availability: Saturation, Inhibition, and Occupancy Plots
Javad Khodaii, Mostafa Araj-Khodaei, Manouchehr S. Vafaee, Dean F. Wong, and Albert Gjedde
Department of Mechanical Engineering, Amirkabir University of Technology, Tehran, Iran
*J Nucl Med* 2022; 63:294–301

Signaling Pathways That Drive 
\[^{18}\text{F}\text{-FDG}\] Accumulation in Cancer
Jessica R. Salas and Peter M. Clark
Department of Molecular and Medical Pharmacology, UCLA, Los Angeles, California
*J Nucl Med* 2022; 63:659–663

The Overlap Index as a Means of Evaluating Early Tau PET Signal Reliability
Department of Radiology, Rochester, Minnesota
*J Nucl Med* 2022; 63:1748–1753

Cardiac Fibroblast Activation in Patients Early After Acute Myocardial Infarction: Integration with MR Tissue Characterization and Subsequent Functional Outcome
Johanna Diekmann, Tobias Koenig, James T. Thackeray, Thorsten Derlin, Christoph Czerner, Jonas Neuser, Tobias L. Ross, Andreas Schäfer, Jochen Tillmanns, Johann Bauersachs, and Frank M. Bengel
Department of Nuclear Medicine, Hannover Medical School, Hannover, Germany
*J Nucl Med* 2022; 63:1415–1423
Radiotracers to Address Unmet Clinical Needs in Cardiovascular Imaging, Part 1: Technical Considerations and Perfusion Imaging
John C. Stendahl, Jennifer M. Kwan, Darko Pucar, and Mehran M. Sadeghi
Section of Cardiovascular Medicine, Yale University School of Medicine, New Haven, Connecticut

Radiotracers to Address Unmet Clinical Needs in Cardiovascular Imaging, Part 2: Inflammation, Fibrosis, Thrombosis, Calcification, and Amyloidosis Imaging
John C. Stendahl, Jennifer M. Kwan, Darko Pucar, and Mehran M. Sadeghi
Section of Cardiovascular Medicine, Yale University School of Medicine, New Haven, Connecticut
*J Nucl Med* 2022; 63:986-994

Molecular Imaging of Neuroendocrine Prostate Cancer by Targeting Delta-Like Ligand 3
Joshua A. Korsen, Teja M. Kalidindi, Samantha Khitrov, Zachary V. Samuels, Goutam Chakraborty, Julia A. Gutierrez, John T. Poirier, Charles M. Rudin, Yu Chen, Michael J. Morris, Nagavarashore Pillarsetty, and Jason S. Lewis
Department of Radiology, Memorial Sloan Kettering Cancer Center, New York, New York
*J Nucl Med* 2022; 63:1401-1407

Cerenkov Luminescence Imaging in Prostate Cancer: Not the Only Light That Shines
Judith olde Heuvel, Berlinda J. de Wit-van der Veen, Henk G. van der Poel, Pim J. van Leeuwen, Elise M. Bekers, Maarten R. Grootendorst, Kunal N. Vyas, Cornelis H. Slump, and Marcel P.M. Stokkel
Department of Nuclear Medicine, Netherlands Cancer Institute, Amsterdam, The Netherlands
*J Nucl Med* 2022; 63:29-35

The Impact of Semiautomatic Segmentation Methods on Metabolic Tumor Volume, Intensity, and Dissemination Radiomics in 18F-FDG PET Scans of Patients with Classical Hodgkin Lymphoma
Department of Hematology, Amsterdam UMC, University of Amsterdam, LYMMCARE (Lymphoma and Myeloma Center, Amsterdam), Cancer Center Amsterdam, Amsterdam, The Netherlands
*J Nucl Med* 2022; 63:1424-1430

Cost Effectiveness of 18F-FET PET for Early Treatment Response Assessment in Glioma Patients After Adjuvant Temozolomide Chemotherapy
Jurij Rosen, Garry Ceccon, Elena K. Bauer, Jan-Michael Werner, Caroline Tscherpel, Veronika Dunkl, Marion Rapp, Michael Sabel, Ulrich Herrlinger, Alexander Heinzl, Niklas Schäfer, Maximilian Ruge, Roland Goldbrunner, Gabriele Stoffels, Christoph Kabbasch, Gereon R. Fink, Karl-Josef Langen, and Norbert Galldiks
Department of Neurology, Faculty of Medicine and University Hospital Cologne, University of Cologne, Cologne, Germany
*J Nucl Med* 2022; 63:1677-1682

Initial Clinical Experience with 90Y-FAPI-46 Radioligand Therapy for Advanced-Stage Solid Tumors: A Case Series of 9 Patients
Department of Nuclear Medicine, West German Cancer Center, University Hospital Essen, University of Duisburg-Essen, Essen, Germany, and Uital Essen, Essen, Germany
*J Nucl Med* 2022; 63:727-734
PSMA PET Validates Higher Rates of Metastatic Disease for European Association of Urology Biochemical Recurrence Risk Groups: An International Multicenter Study
Department of Nuclear Medicine, University of Duisburg-Essen and German Cancer Consortium–University Hospital Essen, Essen, Germany

Response to Combined Peptide Receptor Radionuclide Therapy and Checkpoint Immunotherapy with Ipilimumab Plus Nivolumab in Metastatic Merkel Cell Carcinoma
Justin Ferdinandus, Wolfgang P. Fendler, Katharina Lueckerath, Christoph Berliner, Sabine Kurzidem, Eva Hadaschik, Joachim Klode, Lisa Zimmer, Elisabeth Livingstone, Dirk Schadendorf, Ken Herrmann, Juergen C. Becker, and Selma Ugurel
Department of Nuclear Medicine, University of Duisburg-Essen, and German Cancer Consortium, University Hospital Essen, Essen, Germany

Tracking Innate Immune Activation in a Mouse Model of Parkinson’s Disease Using TREM1 and TSPO PET Tracers
Department of Pathology, Stanford University, Stanford, California

Dual-Tracer PET/CT Protocol with [18F]-FDG and [68Ga]Ga-FAPI-46 for Cancer Imaging: A Proof of Concept
Katrin S. Roth, Conrad-Amadeus Voltin, Lutz van Heek, Simone Wegen, Klaus Schomäcker, Thomas Fischer, Simone Marnitz, Alexander Drzezga, and Carsten Kobe
Department of Nuclear Medicine, Faculty of Medicine, University Hospital Cologne, University of Cologne, Cologne, Germany
J Nucl Med 2022; 63:1683–1686

Glypican-3–Targeted 227Th α-Therapy Reduces Tumor Burden in an Orthotopic Xenograft Murine Model of Hepatocellular Carcinoma
Kevin P. Labadie, Donald K. Hamlin, Aimee Kenoyer, Sara K. Daniel, Alan F. Utria, Andrew D. Ludwig, Heidi L. Kenerson, Lily Li, Jonathan G. Sham, Delphine L. Chen, Johnnie J. Orozco, Raymond S. Yeung, Chris Orvig, Yawen Li, D. Scott Wilbur, and James O. Park
Department of Surgery, University of Washington, Seattle, Washington
J Nucl Med 2022; 63:1033–1038

18F-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 Cottereau, Michel Meignan, Jérôme Clerc, Laetitia Vercellino, Olivier Casasnovas, Franck Morschhauser, Catherine Thieblemont, and Irène Buvat
LITO Laboratory, U1288 Inserm, Institut Curie, University Paris-Saclay, Orsay, France

18F-PI-2620 Tau PET Improves the Imaging Diagnosis of Progressive Supranuclear Palsy
Department of Nuclear Medicine, Leipzig University Medical Center, Leipzig, Germany
J Nucl Med 2022; 63:1754–1760
ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

**Single-Cell Radiotracer Allocation via Immunomagnetic Sorting to Disentangle PET Signals at Cellular Resolution**
Laura M. Bartos, Sebastian T. Kunte, Philipp Beumers, Xianyuan Xiang, Karin Wind, Sibylle Ziegler, Peter Bartenstein, Hongyoon Choi, Dong Soo Lee, Christian Haass, Louisa von Baumgarten, Sabina Tahirovic, Nathalie L. Albert, Simon Lindner, and Matthias Brendel
Department of Nuclear Medicine, University Hospital of Munich, LMU Munich, Munich, Germany
*J Nucl Med* 2022; 63:1459–1462

**Synthesis, Preclinical Evaluation, and a Pilot Clinical PET Imaging Study of ⁶⁸Ga-Labeled FAPI Dimer**
Liang Zhao, Bo Niu, Jianyang Fang, Yizhen Pang, Siyang Li, Chenguang Xie, Long Sun, Xianzhong Zhang, Zhide Guo, Qin Lin, and Haojun Chen
Department of Nuclear Medicine and Minnan PET Center, The First Affiliated Hospital of Xiamen University, Xiamen, China

**⁸⁹Zr-3,2-HOPO-Mesothelin Antibody PET Imaging Reflects Tumor Uptake of Mesothelin-Targeted ⁴⁴Th-Conjugate Therapy in Mice**
Department of Medical Oncology, University Medical Center Groningen, University of Groningen, Groningen, The Netherlands
*J Nucl Med* 2022; 63:1715–1721

**Prognostic Value of Urokinase-Type Plasminogen Activator Receptor PET/CT in Head and Neck Squamous Cell Carcinomas and Comparison with ¹⁸F-FDG PET/CT: A Single-Center Prospective Study**
Louise M. Risør, Malene M. Clausen, Zaza Ujmaiuridze, Mohammed Farhadi, Kim F. Andersen, Annika Loft, Jeppe Friborg, and Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine, and PET and Cluster for Molecular Imaging, Copenhagen University Hospital–Rigshospitalet, and Department of Biomedical Sciences, University of Copenhagen, Copenhagen, Denmark
*J Nucl Med* 2022; 63:1169–1176

**First-in-Humans Brain PET Imaging of the GluN2B-Containing N-methyl-D-aspartate Receptor with (R)-11C-Me-NB1**
Department of Psychiatry and Psychotherapy, Medical University of Vienna, Vienna, Austria
*J Nucl Med* 2022; 63:936–941

**Pitfalls and Common Findings in ⁶⁸Ga-FAPI PET: A Pictorial Analysis**
Lukas Kessler, Justin Ferdinandus, Nader Hirmas, Fadi Zarrad, Michael Nader, David Kersting, Manuel Weber, Sandra Kazek, Miriam Sraieb, Rainer Hamacher, Katharina Lueckerath, Lale Umutlu, Wolfgang P. Fendler, and Christoph Rischplier
Department of Nuclear Medicine, University Hospital Essen, University of Duisburg–Essen, Essen, Germany
*J Nucl Med* 2022; 63:890–896

**⁶⁸Ga-FAPI as a Diagnostic Tool in Sarcoma: Data from the ⁶⁸Ga-FAPI PET Prospective Observational Trial**
Lukas Kessler, Justin Ferdinandus, Nader Hirmas, Sebastian Bauer, Uta Dirksen, Fadi Zarrad, Michael Nader, Michal Chodyla, Aleksandr Milosevic, Lale Umutlu, Martin Schuler, Lars Erik Podleska, Hans-Ulrich Schildhaus, Wolfgang P. Fendler, and Rainer Hamacher
Department of Nuclear Medicine, University Hospital Essen, University of Duisburg–Essen, Essen, Germany
*J Nucl Med* 2022; 63:89–95
ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

Fibroblast Activation Protein–Specific PET/CT Imaging in Fibrotic Interstitial Lung Diseases and Lung Cancer: A Translational Exploratory Study
Manuel Röhrich, Dominik Leitz, Frederik M. Glatting, Annika K. Wefers, Oliver Weinheimer, Paul Flechsig, Nicolas Kahn, Marcus A. Mall, Frederik L. Giesel, Clemens Kratochwil, Peter E. Huber, Andreas von Deimling, Claus Peter Heußel, Hans Ulrich Kauczor, Michael Kreuter, and Uwe Haberkorn
Department of Nuclear Medicine, University Hospital Heidelberg, Heidelberg, Germany
*J Nucl Med 2022; 63:127–133*

Diagnostic Performance of $^{124}$I-Metaiodobenzylguanidine PET/CT in Patients with Pheochromocytoma
Department of Nuclear Medicine, University Hospital Essen, Essen, Germany
*J Nucl Med 2022; 63:869–874*

Safety and Efficacy of $^{166}$Ho Radioembolization in Hepatocellular Carcinoma: The HEPAR Primary Study
Department of Radiology and Nuclear Medicine, University Medical Centre, Utrecht University, Utrecht, The Netherlands
*J Nucl Med 2022; 63:1891–1898*

$^{223}$Ra Induces Transient Functional Bone Marrow Toxicity
Maria Parlani, Francesco Boccalatte, Anna Yeaton, Feng Wang, Jianhua Zhang, Iannis Aifantis, and Eleonora Dondossola
Genitourinary Medical Oncology Department and David H. Koch Center for Applied Research of Genitourinary Cancers, University of Texas M.D. Anderson Cancer Center, Houston, Texas
*J Nucl Med 2022; 63:1544-1550*

The Role of Amyloid PET in Imaging Neurodegenerative Disorders: A Review
Marianne Chapleau, Leonardo Iaccarino, David Soleimani-Meigooni, and Gil D. Rabinovici
Memory and Aging Center, Department of Neurology, University of California, San Francisco, San Francisco, California
*J Nucl Med 2022; 63(supl 1):13S–19S*

Reproducibility of PSMA PET/CT Imaging for Primary Staging of Treatment-Naïve Prostate Cancer Patients Depends on the Applied Radiotracer: A Retrospective Study
Marinus J. Hagens, Daniela E. Oprea-Lager, André N. Vis, Maurits Wondergem, Maarten L. Donswijk, Dennie Meijer, Louise Emmett, Pim J. van Leeuwen, and Henk G. van der Poel
Department of Urology, Netherlands Cancer Institute–Antoni van Leeuwenhoek Hospital, Amsterd, The Netherlands
*J Nucl Med 2022; 63:1531–1536*

From Concept to Regulatory Drug Approval: Lessons for Theranostics
Marlon Perera and Michael J. Morris
Urology Service, Department of Surgery, Memorial Sloan Kettering Cancer Center, New York, New York
*J Nucl Med 2022; 63:1793–1801*

Sex Differences and Caffeine Impact in Adenosine-Induced Hyperemia
Martin Lyngby Lassen, Christina Byrne, Majid Sheykhzade, Mads Wissenberg, Preetee Kapisha Hurry, Anne Vibeke Schmedes, Andreas Kjaer, and Philip Hasbak
Department of Clinical Physiology, Nuclear Medicine and PET and Cluster for Molecular Imaging, Rigshospitalet and University of Copenhagen, Copenhagen, Denmark
*J Nucl Med 2022; 63:431–437*
2023 PUBLICATION AWARDS

ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

Affibody-Mediated PNA-Based Pretargeted Cotreatment Improves Survival of Trastuzumab-Treated Mice Bearing HER2-Expressing Xenografts
Maryam Oroujeni, Hanna Tano, Anzhelika Vorobyeva, Yongsheng Liu, Olga Vorontsova, Tianqi Xu, Kristina Westerlund, Anna Orlova, Vladimir Tolmachev, and Amelie Eriksson Karlström
Department of Immunology, Genetics, and Pathology, Uppsala University, Uppsala, Sweden
J Nucl Med 2022; 63:1046–1051

In Vivo 18F-Flortaucipir PET Does Not Accurately Support the Staging of Progressive Supranuclear Palsy
Department of Clinical Neurosciences, University of Cambridge, Cambridge, United Kingdom
J Nucl Med 2022; 63:1052–1057

First-in-Humans PET Imaging of Tissue Factor in Patients with Primary and Metastatic Cancers Using 18F-labeled Active-Site Inhibited Factor VII (18F-ASIS): Potential as Companion Diagnostic
Mathias Loft, Camilla Christensen, Malene M. Clausen, Esben A. Carlsen, Carsten P. Hansen, Niels Kroman, Seppo W. Langer, Claus Høgdal, Jacob Madsen, Nic Gillings, Carsten H. Nielsen, Thomas L. Klausen, Søren Holm, Annika Loft, Anne K. Berthelsen, and Andreas Kjaer
Department of Clinical Physiology and Nuclear Medicine & Cluster for Molecular Imaging, Copenhagen University Hospital – Rigshospitalet & Department of Biomedical Sciences, University of Copenhagen, Denmark
J Nucl Med 2022; 63:1871–1879

Feasibility of In Vivo Imaging of Fibroblast Activation Protein in Human Arterial Walls
Meiqi Wu, Jing Ning, Jingle Li, Zhichao Lai, Ximin Shi, Haiqun Xing, Marcus Hacker, Bao Liu, Li Huo, and Xiang Li
Department of Nuclear Medicine, State Key Laboratory of Complex Severe and Rare Diseases, Center for Rare Diseases Research, Beijing Key Laboratory of Molecular Targeted Diagnosis and Therapy in Nuclear Medicine, Peking Union Medical College Hospital, Chinese Academy of Medical Science and Peking Union Medical College, Beijing, China
J Nucl Med 2022; 63:948–951

Pretreatment Levels of Soluble Tumor Necrosis Factor Receptor 1 and Hepatocyte Growth Factor Predict Toxicity and Overall Survival After 90Y Radioembolization: Potential Novel Application of Biomarkers for Personalized Management of Hepatotoxicity
Matthew M. Cousins, Theresa P. Devasia, Christopher M. Maurino, Justin Mikell, Matthew J. Schipper, Ravi K. Kaza, Theodore S. Lawrence, Kyle C. Cuneo, and Yuni K. Dewaraja
Department of Radiation Oncology, University of Michigan, Ann Arbor, Michigan
J Nucl Med 2022; 63:882–889

Albumin Binder–Conjugated Fibroblast Activation Protein Inhibitor Radiopharmaceuticals for Cancer Therapy
Mengxin Xu, Pu Zhang, Jie Ding, Junyi Chen, Li Huo, and Zhibo Liu
Radiochemistry and Radiation Chemistry Key Laboratory of Fundamental Science, Beijing National Laboratory for Molecular Sciences, College of Chemistry and Molecular Engineering, Peking University, Beijing, China

Combined Targeted Radiopharmaceutical Therapy and Immune Checkpoint Blockade: From Preclinical Advances to the Clinic
Michael C. Bellavia, Ravi B. Patel, and Carolyn J. Anderson
Department of Bioengineering, University of Pittsburgh, Pittsburgh, Pennsylvania
J Nucl Med 2022; 63:1636–1641
COVID-19 mRNA Vaccination: Age and Immune Status and Its Association with Axillary Lymph Node PET/CT Uptake
Michal Eifer, Noam Tau, Yousef Alhoubani, Nayroz Kanana, Liran Domachevsky, Jala Shams, Nir Keret, Malka Gorfine, and Yael Eshet
Department of Diagnostic Imaging, Chaim Sheba Medical Center, Ramat Gan, Israel
*J Nucl Med* 2022; 63:134–139

Blind Image Restoration Enhances Digital Autoradiographic Imaging of Radiopharmaceutical Tissue Distribution
Department of Biomedical Engineering, Washington University in St. Louis, St. Louis, Missouri
*J Nucl Med* 2022; 63:591–597

**3F-BMS986192 PET Imaging of PD-L1 in Metastatic Melanoma Patients with Brain Metastases Treated with Immune Checkpoint Inhibitors: A Pilot Study**
Department of Nuclear Medicine and Molecular Imaging, Medical Imaging Center, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands
*J Nucl Med* 2022; 63:899–905

**68Ga-PSMA PET/CT for Response Assessment and Outcome Prediction in Metastatic Prostate Cancer Patients Treated with Taxane-Based Chemotherapy**
Department of Nuclear Medicine, Institut Jules Bordet, Université Libre de Bruxelles, Brussels, Belgium
*J Nucl Med* 2022; 63:1191–1198

Factors for Differential Outcome Across Cancers in Clinical Molecule-Targeted Fluorescence Imaging
Quan Zhou, Nynke S. van den Berg, Wenying Kang, Jacqueline Pei, Naoki Nishio, Stan van Keulen, Myrthe A. Engelen, Yu-Jin Lee, Marisa Hom, Johana C.M. Vega Leonel, Zachary Hart, Hannes Vogel, Romain Cayrol, Brock A. Martin, Mark Roesner, Glenn Shields, Natalie Lui, Melanie Hayden Gephart, Roan C. Raymundo, Grace Yi, Monica Granucci, Gerald A. Grant, Gordon Li, and Eben L. Rosenthal
Department of Neurosurgery, Stanford University School of Medicine, Stanford, California
*J Nucl Med* 2022; 63:1693–1700

Biodistribution of **89Zr-DFO-Durvalumab PET/CT Before Durvalumab Treatment in Patients with Recurrent or Metastatic Head and Neck Cancer**
Department of Medical Oncology, Radboud University Medical Center, Nijmegen, The Netherlands
*J Nucl Med* 2022; 63:1523–1530
ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

**Comparison of Exogenous Ketone Administration Versus Dietary Carbohydrate Restriction on Myocardial Glucose Suppression: A Crossover Clinical Trial**


Division of Cardiology, Department of Medicine, Perelman School of Medicine of the University of Pennsylvania, Philadelphia, Pennsylvania

*J Nucl Med* 2022; 63:770–776

**Temporary Reactive Response of Axillary Lymph Nodes to COVID-19 Vaccination on 18F-rhPSMA-7.3 PET/CT in Patients with Prostate Cancer**

Susan Notohamiprodjo, Matthias Eiber, Christian Lohrmann, and Wolfgang A. Weber

Department of Nuclear Medicine, Klinikum Rechts der Isar, Technical University of Munich, Munich, Germany

*J Nucl Med* 2022; 63:1673–1676

**The Influence of Specific Activity on the Biodistribution of 18F-rhPSMA-7.3: A Retrospective Analysis of Clinical PET Data**


Department of Nuclear Medicine, Klinikum rechts der Isar, School of Medicine, Technical University of Munich, Munich, Germany

*J Nucl Med* 2022; 63:742–745

**11C-PiB and 124I-Antibody PET Provide Differing Estimates of Brain Amyloid-β After Therapeutic Intervention**

Silvio R. Meier, Dag Sehlin, Sahar Roshanbin, Victoria Lim Falk, Takashi Saito, Takaomi C. Saito, Ulf Neumann, Johanna Rokka, Jonas Eriksson, and Stina Syvänen

Department of Public Health and Caring Sciences/Geriatrics, Uppsala University, Uppsala, Sweden


**Utility of 18F-rhPSMA-7.3 PET for Imaging of Primary Prostate Cancer and Preoperative Efficacy in N-Staging of Unfavorable Intermediate- to Very High-Risk Patients Validated by Histopathology**

Thomas Langbein, Hui Wang, Isabel Rauscher, Markus Kroenke, Karina Knorr, Alexander Wurzer, Kristina Schwamborn, Tobias Maurer, Thomas Horn, Bernhard Haller, Hans-Jürgen Wester, and Matthias Eiber

Department of Nuclear Medicine, Klinikum Rechts der Isar, School of Medicine, Technical University of Munich, Munich, Germany

*J Nucl Med* 2022; 63:1334–1342

**MIRD Pamphlet No. 27: MIRDcell V3, a Revised Software Tool for Multicellular Dosimetry and Bioeffect Modeling**

Sumudu Katugampola, Jianchao Wang, Alex Rosen, and Roger W. Howell

Division of Radiation Research, Department of Radiology, New Jersey Medical School, Rutgers University, Newark, New Jersey

*J Nucl Med* 2022; 63:1441–1449

**A Guideline for Clinicians Performing Clinical Studies with Fluorescence Imaging**

Wido Heeman, Jasper Vonk, Vasilis Ntziachristos, Brian W. Pogue, Rudi A.J.O. Dierckx, Schelto Kruijff, and Gooitzen M. van Dam

University of Groningen, Faculty Campus Fryslân, Leeuwarden, The Netherlands

ALAVI-MANDELL AWARDS – FOR JNM ARTICLES PUBLISHED IN 2022

Robot-Assisted Prostate-Specific Membrane Antigen–Radioguided Surgery in Primary Diagnosed Prostate Cancer
Garvan Institute of Medical Research and Kinghorn Cancer Centre, Darlinghurst, NSW, Australia
*J Nucl Med* 2022; 63:1659–1664

Detecting Fibroblast Activation Proteins in Lymphoma Using ⁶⁸Ga-FAPI PET/CT
Xiao Jin, Maomao Wei, Shuailiang Wang, Guochang Wang, Yumei Lai, Yunfei Shi, Yan Zhang, Zhi Yang, and Xuejuan Wang
Key Laboratory of Carcinogenesis and Translational Research (Ministry of Education) and NMPA
Key Laboratory for Research and Evaluation of Radiopharmaceuticals (National Medical Products Administration), Department of Nuclear Medicine, Peking University Cancer Hospital and Institute, Beijing, China
*J Nucl Med* 2022; 63:212–217

Xin Zhou, Jinquan Jiang, Xue Yang, Teli Liu, Jin Ding, Sridhar Nimmagadda, Martin G. Pomper, Hua Zhu, Jun Zhao, Zhi Yang, and Nan Li
Key Laboratory of Carcinogenesis and Translational Research (Ministry of Education/Beijing), Department of Nuclear Medicine, NMPA Key Laboratory for Research and Evaluation of Radiopharmaceuticals (National Medical Products Administration), Peking University Cancer Hospital & Institute, Beijing, China
*J Nucl Med* 2022; 63:536–542

Feasibility of Acquisitions Using Total-Body PET/CT with an Ultra-Low ¹⁸F-FDG Activity
Yan Hu, Guobing Liu, Haojun Yu, Ying Wang, Chenwei Li, Hui Tan, Shuguang Chen, Jianying Gu, and Hongcheng Shi
Department of Nuclear Medicine, Zhongshan Hospital, Fudan University, Shanghai, China

¹³¹I-GD2-ch14.18 Scintigraphy to Evaluate Option for Radioimmunotherapy in Patients with Advanced Tumors
Ying Zhang, Juergen Kupferschlaeger, Peter Lang, Gerald Reischl, Rupert J. Handregtiner, Christian la Fougère, and Helmut Dittmann
Department of Nuclear Medicine and Clinical Molecular Imaging, University Hospital Tuebingen, Tuebingen, Germany
*J Nucl Med* 2022; 63:205–211

Independent Prognostic Utility of ¹¹C-Pittsburgh Compound B PET in Patients with Light-Chain Cardiac Amyloidosis
You-Jung Choi, Youngil Koh, Hyun-Jung Lee, In-Chang Hwang, Jun-Bean Park, Yeonhee E. Yoon, Hae-Lyoung Kim, Hyung-Kwan Kim, Yong-Jin Kim, Goo-Yeong Cho, Dae-Won Sohn, Jin-Chul Paeng, and Seung-Pyo Lee
Division of Cardiology, Department of Internal Medicine, Seoul National University Hospital, Seoul, South Korea
*J Nucl Med* 2022; 63:1064–1069

First-in-Human Evaluation of ¹⁸F-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, Jeih-San Liow, Thomas A. Chappie, Andrea Varrone, Sangram Nag, Lei Zhang, Zoe A. Hughes, Christopher J. Schmidt, Shawn D. Doran, Andrew Mannes, Paolo Zanotti-Fregonara, Maarten Ooms, Cheryl L. Morse, Sami S. Zoghbi, Christer Halldin, Victor W. Pike, and Robert B. Innis
Molecular Imaging Branch, NIMH-NIH, Bethesda, Maryland
POSTERS

1st, 2nd and 3rd place winners are determined from the top 10 candidates from each scientific track based on the visual appearance/quality of their poster, quality of content and the original scientific contribution of their poster or ePoster:

CARDIOVASCULAR

1st Place – Dynamic observation and mechanism research of cardioprotective effect of fasting based on molecular imaging method
Presenting Author: Xiang Zhou

2nd Place (Tie) – A novel mitochondrial-targeted [18F]F-AraG positron emission tomography (PET) biomarker for early diagnosis and monitoring of cardiotoxicity
Presenting Author: Uttam Shrestha

2nd Place (Tie) – Diagnostic Accuracy Of Bone Scintigraphy Imaging For Transthyretin Cardiac Amyloidosis: Systematic Review And Meta-Analysis
Presenting Author: Nanki Ahluwalia

EDUCATIONAL EXHIBITS

1st Place – MIRDy90: A Software Tool for 90Y Microsphere Treatment-Planning Calculations
Presenting Author: Harry Marquis

2nd Place – MIRD Synopsis for Dosimetry in Radiopharmaceutical Therapies: A Case Study for Currently Approved 177Lu Therapies
Presenting Author: Carlos Uribe

3rd Place – Theragnostic for meningiomas: new benefits in molecular imaging
Presenting Author: Rodrigo Hernandez Ramirez

GENERAL CLINICAL SPECIALTIES

1st Place – Fibroblast-like synoviocyte–targeted PET with 18F-FAPI-42 for imaging rheumatoid arthritis: Comparison to 18F-FDG PET/MR
Presenting Author: Yuying Zhang

2nd Place – Radioguided surgery of focal congenital hyperinsulinism using Ga-68 Exendin: Proof of concept
Presenting Author: Vikas Prasad

3rd Place – Imaging of rheumatoid arthritis with the SPECT glucose analogue 99mTc- labelled glucosamine and its correlation with laboratory markers
Presenting Author: Osayande Evbuomwan

MOLECULAR TARGETING PROBES-RADIOACTIVE & NONRADIOACTIVE

1st Place – Multimodality detection and treatment for breast cancer with a biodegradable “one-for-all” nanoparticle contrast agent
Presenting Author: Jessica Hsu

2nd Place – A Novel Radiosynthesis of 18F-Labeled Arenesulfonyl Fluorides with [18F]Fluoride
Presenting Author: Xiaoyun Deng

3rd Place – Preclinical assessment of Cu-64-NOTA-CD69 Diabody for PET imaging of Glioblastoma
Presenting Author: Hanieh Karimi
NEUROSCIENCES

1st Place – Characterization of four major psychiatric disorders based on AMPA receptor distributions measured with [11C]K-2: a novel PET tracer study

*Presenting Author: Mai Hatano*

2nd Place – First PET Investigation of the Human Brain at 2 μL Resolution with the Ultra-High-Resolution (UHR) scanner

*Presenting Author: Vincent Doyon*

3rd Place – Positron emission tomography with [18F]ROStrace reveals increased oxidative stress in a mouse model of alpha-synucleinopathy.

*Presenting Author: Evan Gallagher*

ONCOLOGY, BASIC & TRANSLATIONAL

1st Place – First-in-human PET imaging of KRAS p.G12C mutation status in NSCLC and CRC patients using 18F-AMG510

*Presenting Author: Jiajun Ye*

2nd Place – Preliminary Clinical Data in The Phase 1/2a Dose Escalation Trial of 186RNL (Rhenium-186 Nanoliposome) (186Re) Obisbemeda in Leptomeningeal Metastases (LM): The ReSPECT-LM Trial

*Presenting Author: Norman LaFrance*

3rd Place – Decreasing renal radioactivity of 68Ga labeled HER2 Affibody by using enzymolysis clearance strategy both in mice and humans

*Presenting Author: Mingru Zhang*

ONCOLOGY, CLINICAL THERAPY & DIAGNOSIS

1st Place – Comparison of PET/CT in Subjects with Confirmed Prostate Cancer Using 64Cu SAR-bisPSMA and 68Ga PSMA-11

*Presenting Author: Louise Emmett*

2nd Place – Fibroblast activation protein and glycolysis in lymphoma diagnosis: comparison of 68Ga-FAPI PET/CT and 18F-FDG PET/CT

*Presenting Author: Xuetao Chen*


*Presenting Author: Jie Zang*

PHYSICS, INSTRUMENTATION & DATA SCIENCES

1st Place – Lutetium-177 PSMA tumour absorbed dose threshold for complete PSA response in metastatic prostate cancer measured by Gallium-68 PSMA PET/CT single time point predictive dosimetry

*Presenting Author: Yung Hsiang Kao*

2nd Place – In Vivo 3-D Gamma-Ray Spectrometry for Multifunctional Molecular Imaging and Theragnostic in Lower Extremities

*Presenting Author: Elena Maria Zannoni*

3rd Place – Design, development and characterization of the third-generation CTN anthropomorphic oncology phantom for PET and SPECT quantitative validation and testing

*Presenting Author: John Sunderland*
YOUNG INVESTIGATOR AWARDS

Each year the SNMMI sponsors the Young Investigator Award symposium and competition in association with several SNMMI councils and Centers of Excellence for the best scientific abstracts in various specialties within the field of nuclear medicine. The following winners were selected for their excellence in oral presentations:

BRAIN IMAGING COUNCIL YOUNG INVESTIGATOR AWARDS

1st Place – First PET Investigation of the Human Brain at 2 µL Resolution with the Ultra-High-Resolution (UHR) scanner

*Presenting Author: Vincent Doyon – Université de Sherbrooke, Quebec, Canada*

2nd Place – Characterization of four major psychiatric disorders based on AMPA receptor distributions measured with [11C]K-2: a novel PET tracer study

*Presenting Author: Mai Hatano – Yokohama National University, Yokohama, Kanagawa Prefecture, Japan*

3rd Place – Evaluation of Five Candidate Radioligands for PET Imaging of Phosphodiesterase-4D in Monkey Brain

*Presenting Author: Meijuan Jiang – National Institutes of Health (NIH), Bethesda, MD, United States*

CARDIOVASCULAR COUNCIL YOUNG INVESTIGATOR AWARD WINNERS

BASIC SCIENCE/PRECLINICAL:

1st Place – Immunometabolic-fibroblast activation interfaces post-myocardial infarction: A transparent study integrated molecular imaging with quantitative proteomics

*Presenting Author: Yaqi Zheng*

2nd Place – Molecular imaging of the brain-heart axis after stroke: Impact of regional microglia suppression on cardiac function

*Presenting Author: Viola Wroblewski – Hannover Medical School, Hannover, Germany*

3rd Place – 68Ga-FAPI PET/CT Non-invasive Visualization of Progressive Changes in Chronic Heart Failure

*Presenting Author: Wenyu Song – Huazhong University of Science and Technology, Wuhan, China*

CLINICAL:

1st Place – Molecular imaging of fibroblast activity after acute myocardial infarct using 99mTc-iFAP: Comparison with cardiac magnetic resonance, myocardial perfusion imaging and invasive coronary angiography.

*Presenting Author: Joel Eduardo Vargas Ahumada*

2nd Place – Dynamic Imaging and Tracer Kinetic Modeling of 18F-flutemetamol PET for ATTR Cardiac Amyloidosis Patients

*Presenting Author: Qiong Liu – Yale School of Medicine, CT, United States*

3rd Place – Relationship of beta-hydroxybutyrate levels and ketosis duration with diagnostic FDG-PET studies performed for the evaluation of active cardiac sarcoidosis

*Presenting Author: Mahesh Vidula – Penn Medicine: University of Pennsylvania Health System, Philadelphia, PA, United States*

PHYSICS, INSTRUMENTATION, AND DATA SCIENCES COUNCIL YOUNG INVESTIGATOR AWARDS

1st Place – High resolution image reconstruction and resolution modeling: first human scan with the NeuroEXPLORER

*Presenting Author: Tiantian Li – University of California, Davis, CA, United States*

2nd Place – Graph-based explanations of tau forecasting for Alzheimer’s disease using graph neural networks

*Presenting Author: Vibha Balaji – University of Massachusetts, Amherst, MA, United States*

3rd Place – Task-based evaluation of a scatter projection and deep learning-based transmission-less attenuation-compensation method with clinical data

*Presenting Author: Zitong Yu – Washington University in St. Louis, MO, United States*
RADIOPHARMACEUTICAL SCIENCES COUNCIL YOUNG INVESTIGATOR AWARDS

Presenting Author: Tanpreet Kaur – University of Michigan  Ann Arbor, MI United States

2nd Place – Pretargeted radioimmunotherapy with $^{212}$Pb-DOTA-based haptens in nude mice bearing established human-colorectal xenografts
Presenting Author: Brett Vaughn – Memorial Sloan Kettering Cancer Center  New York, NY United States

3rd Place – Structure-guided design of novel pyridinyl-indoles as 4R-tau PET radiotracers: Identification of $[^{18}F]$OXD-2314 for human use
Presenting Author: Anton Lindberg– The Centre for Addiction and Mental Health  Ontario, Canada

CIC WALTER WOLF YOUNG INVESTIGATOR AWARD
This award recognizes a young investigator for originality, scientific methodology, and overall contribution to Molecular Imaging or Therapy through original research showing the importance and value of correlative imaging in all fields of medicine. The SNMMI Correlative Imaging Council established the Walter Wolf Young Investigator Award in 2006 in honor of Walter Wolf, Ph.D., past president of the Correlative Imaging Council and leader in the field of pharmacokinetic imaging and drug development.

2023 Recipient: Kelly Trinh
What is the added value of concurrent diagnostic CT for PSMA PET/CT imaging assessment of prostate cancer?

PIC MAJD-GILDAY YOUNG INVESTIGATOR AWARD
This award is given to young scientists for outstanding research contributions to the field of pediatric nuclear medicine. The PIC Majd-Gilday YIA award was developed to recognize 2 pioneers in the pediatric imaging field who have made enormous scientific contributions to our subspecialty of pediatric nuclear medicine: Dr. Massoud Majd and Dr. David Gilday.

2023 Recipient: Chenyang Han
Reducing acquisition time in pediatric whole-body PET imaging with deep learning enhanced image reconstruction

CENTER FOR MOLECULAR IMAGING INNOVATION AND TRANSLATION YOUNG INVESTIGATOR AWARDS

1st Place – The development of novel PSMA targeted agents with high tumor uptake and reduced salivary gland accumulation
Presenting Author: Muyun Xu

2nd Place – Imaging granzyme biochemistry in CAR T cell immunotherapy with restricted interaction peptide and PET
Presenting Author: Shalini Chopra

3rd Place – Quantitative Comparison of Absorbed Dose Estimates Derived from $^{90}$Y-PET/CT and $^{90}$Y-SPECT/CT Imaging following $^{90}$Y-Radioembolization
Presenting Author: E Courtney Henry

THERAPY CENTER OF EXCELLENCE YOUNG INVESTIGATOR AWARDS

1st Place – Fibroblast activation protein alpha (FAPα) directed imaging and radionuclide therapy in patients with solitary fibrous tumor (SFT)
Presenting Author: Kim Pabst

2nd Place – Efficacy and safety of $[177^{Lu}]$.Lu-DOTAGA.FAPi dimer radionuclide therapy in patients with radiiodine resistant follicular cell-derived thyroid cancers
Presenting Author: Sanjana Ballal

3rd Place – Can we use pre-therapy PSMA PET/CT as a predictor for Lutetium-177-PSMA-617 therapy? Early experience from the Canadian Cancer Trials Group PR21 trial (NCT 04663997)
Presenting Author: Julia Brosch-Lenz
TECHNOLOGIST ABSTRACT AND POSTER AWARDS

SNMMI-TS TECHNOLOGIST ABSTRACT AWARDS

1st Place – Standard of Care PET/CT patients with and without Music Therapy: Preliminary Analysis Average
Presenting Author: Sarah Frye

2nd Place – Redesign of a Traditional NMT Program to Serve as a Hybrid Regional Program Average
Presenting Author: C. David Gilmore

3rd Place – Artificial intelligence based SPECT attenuation correction. Feasibility study and performance evaluation on clinical SPECT images.
Presenting Author: Melinda Szolikova

SNMMI-TS/PET CoE TECHNOLOGIST BEST PET ABSTRACT AWARD
Technical Aspects of 16α-18\(^{\text{F}}\)-fluoro-17β-Fluoroestradiol Positron Emission Tomography (FES-PET) Imaging for Detection of Estrogen Receptor (ER) Positive Breast Cancer
Presenting Author: Lisa Dunnwald

SNMMI-TS/THERAPY CoE TECHNOLOGIST BEST THERAPY ABSTRACT AWARD
Three's a charm – How the nuclear medicine technologist, nuclear medicine physician and artificial intelligence can work together in segmentation for dosimetry
Presenting Author: Nadine Colpo

SNMMI-TS TECHNOLOGIST POSTER AWARDS

1st Place – Performance evaluation of a high-resolution large field-of-view digital PET/CT scanner
Presenting Author: Sophie Stolk

2nd Place – Clinical Implementation of Lu-177 PSMA therapy, including SPECT/CT imaging post therapy
Presenting Author: Larisa Toderas

3rd Place – Safe Use of Nanoceria for Dermal Applications in BALB/c Mice
Presenting Author: Bailey Blocker

SNMMI-TS/CARDIOVASCULAR COUNCIL BEST ABSTRACT AWARDS

1st Place – Image quality evaluation of a new acquisition orbit (cardiac-centered circular orbit) in myocardial perfusion SPECT
Presenting Author: Hajime Ichikawa

2nd Place – New analysis method using successive approximations to obtain the H/M ratio in \(^{123}\text{I}-\text{MIBG}\) scintigraphy
Presenting Author: Ryota Isobe

TECHNOLOGIST STUDENT ABSTRACT AWARD WINNERS

1st Place – Comparison of \(^{18}\text{F}-\text{DCFPyL}\) and \(^{68}\text{Ga-PSMA-11 PET-CT}\) for eligibility screening for \(^{177}\text{Lu-PSMA-617 therapy in metastatic castrate resistant prostate cancer: Should insurers consider these methods equivalent?}\)
Presenting Author: Kaleb Soehl

2nd Place – Monte Carlo N-Particle Code Analysis of Multiple Gamma Camera Components from Varying Manufacturers
Presenting Author: Carlos Nicolas Delgado

3rd Place – Evaluating the Effect of Performing Adjunct Low-Level Exercise During Injection of Regadenoson Average
Presenting Author: Lauren Lobner
ANNUAL MEETING AWARDS

INTERNATIONAL BEST ABSTRACT AWARD WINNERS

The International Best Abstract Awards is given to the highest scoring accepted abstract from each country:

**Australia**
*Price Jackson*
Automated AI Tumor Burden Analysis on Lu-177 PSMA Quantitative SPECT with Global Th reshold Regional Consensus Network (GTRC-Net)

**Austria**
*Kilian Kluge*
Associations between antihormonal-treatment status and ⁶⁸Ga-PSMA-HBED-CC PET biodistribution

**Azerbaijan**
*Fuad Novruzov*
The impact of PSMA based PET-CT imaging in treatment management of prostate cancer: Results of 335 patients from Azerbaijan Republic

**Belgium**
*Koen Van Laere*
Relative glucose metabolic activity per synapse (rMAPS) is regionally varying but preserved in healthy aging and in Huntington’s disease – a dual 18F-FDG and 11C-UCB-J PET/MR study

**Bulgaria**
*Sonya Sergieva*
Clinical Application of SPECT/CT imaging with ⁹⁹mTc-Tektrotyd in the management of Merkel Cell Carcinoma (MCC)

**Canada**
*Anton Lindberg*
Structure-guided design of novel pyridinyl-indoles as 4R-tau PET radiotracers: Identification of [18F]OXD-2314 for human use

**China**
*Weizhi Xu*
AI 18F-NOTA-FAPI PET/CT in the evaluation of gastric, liver, and pancreatic cancer and comparison with 18F-FDG PET/CT

**Colombia**
*Sergio Valencia*
Persistent bone lesion uptake on PET-PSMA: Flare phenomenon in prostate cancer

**Denmark**
*Claes Ladefoged*
Synthetic CT generation for pediatric CT-less PET examinations with long axial field of view PET/CT

**Egypt**
*Esraa Roshdy*
Lung cancer patients may have higher aortic wall inflammation on 18F-FDG PET/CT compared to extrathoracic cancer patients

**Finland**
*Matias Knuuttila*
PSMA-targeted alpha therapies inhibit tumor growth in xenograft models of visceral and bone metastatic castration-resistant prostate cancer

**France**
*Bruno Maucherat*
Progression-free survival assessment to second line hormone therapy by pre-therapeutic [18F]-FDG and [18F]-FES PET-CT in positive estrogen receptors metastatic breast cancer patients: preliminary results.

**Germany**
*Henryk Barthel*
Multi-Center Study on 3R Pick Tau Imaging with [18F] PI-2620 in Frontotemporal Lobar Degeneration

**Greece**
*Georgios Z. Papadakis*
Male Hypogonadism and testicular 18F-FDG activity in Erdheim-Chester Disease

**Hong Kong**
*Minfeng Yang*
In vivo immunoscoring technique to predict anti-CD47 immunotherapy efficacy in triple-negative breast cancer via single-cell pharmacokinetic imaging

**Hungary**
*Áron Krizsán*
Imaging performance of a novel multi-pinhole collimator on the AnyScan TRIO triple-head SPECT/CT for nuclear cardiology applications
India
Suneetha Batchu
Head-to-head comparison of (68 Ga) Ga-FAPI and 18F-FDG PET/CT in evaluating hepatobiliary and pancreatic malignancies – Prospective study

Indonesia
Deni Hardiansyah
Improving the accuracy of the time-integrated activity using non-linear mixed-effects modeling and population-based model selection in molecular radiotherapy

Iran
Mohammad-Sabir Azimi
Evaluation of deep-learning based partial volume correction of PET images without the use of anatomical information

Italy
Egesta Lopci
Predictive value of baseline FDG PET/CT parameters in pediatric Hodgkin Lymphoma: initial results of an Italian prospective study

Japan
Mai Hatano
Characterization of four major psychiatric disorders based on AMPA receptor distributions measured with [11C]K-2: a novel PET tracer study

Korea, Republic of
Dongkyu Oh
Absolute %uptake of quantitative SPECT/CT is more accurate than relative uptake ratio of planar scan for identification of Graves’ disease and destructive thyroiditis

Kuwait
Alyaa Sadeq
Ultrafast & Fast F18-PSMA 1007 PET/CT Acquisition in the Era of Digital PET/CT System; Single Institution Experience

Lebanon
Maroun Karam
Performance and impact on management of Ga68 PSAM11 staging PET/Ct in patients with Gleason 6 and 7 prostate cancer

Macao
Zhonglin Lu
Automatic image-based segmentation and partial volume correction for Lu-177-PSMA-617 bone marrow dosimetry

Mexico
Rodrigo Hernandez Ramirez
Theragnostic for meningiomas: new benefits in molecular imaging

Netherlands
Ronald Boellaard
International benchmark for total metabolic tumor volume assessment in baseline FDG PET/CT of lymphoma patients.

Norway
Kim Lindland
Therapeutic potential of a lead-212 labelled anti-CD146 antibody in mice with mesothelioma

Philippines
Rey Alfred Inting
Local Experience on Radioguided Occult Lesion Localization (ROLL) for Non-Palpable Breast Lesions - A Single-Center Case Series.

Poland
Renata Mikolajczak
Development of the 99mTc-labelled SST2 antagonist TECANT-1 for a first-in-man multicentre clinical study

Serbia
Jasna Mihailovic
Radioiodine Ablation is Not Necessary for a Good Outcome in DTC Patients Initially Staged as pT1N0M0

Singapore
Jingjing Zhang
First-in-human Study of an Optimized, potential Kit-type, SSTR Antagonist 68Ga-DATA5m-LM4 in Patients with Metastatic Neuroendocrine Tumors
INTERNATIONAL BEST ABSTRACT AWARD WINNERS

South Africa
Osayande Evbuomwan
Imaging of rheumatoid arthritis with the SPECT glucose analogue 99mTc- labelled glucosamine and its correlation with laboratory markers

South Korea
Jang Bae Moon
Early Tc-99m DTPA renal scan predicts graft function at 1 year after kidney transplantation

Spain
Ana Garcia-Vicente
Analytical performance validation of PROMISE criteria with deep learning enabled platform for total prostate tumor burden in 18F-DCFPyL analysis

Sweden
Katherine Gagnon
First tests using an automated solid target for the MINIrace cyclotron yields >1Ci 68Ga

Switzerland
Jacqueline Mock
Molecular evolution of OncoFAP derivatives for the tumour-targeted delivery of biocidal radionuclides

Taiwan
Yi-Hsien Chung
The characterization, in vivo imaging trafficking and bio-distribution of extracellular vesicles derived from human umbilical cord-derived mesenchymal stem cells labeled with Technetium-99m

Thailand
Tanyaluck Thientunyakit
Imaging Investigation of Regional Metabolic Activity, Cerebral Small Vessel Disease, and Amyloid Pathology in Early Alzheimer’s Disease: Synergistic Pathophysiology

Tunisia
Taieb Ben Ghachem
Unusual discovery of a lipomatous hypertrophy of interatrial septum causing hot spot on 18F FDG PET/CT: a case report

Turkey
Mehmet Emin Mavi
Prognostic Impact of Circulating Angiogenic Factors in 90Y Microsphere Treatment

United Kingdom
Lee Miller
225Ac-DOTATATE Dosimetry Results from Part 1 of the ACTION-1 Trial

Uruguay
Andres Damian
18F-PR04.MZ PET/CT in patients with atypical parkinsonism and Parkinson’s disease
SNMMI PROFESSIONAL DEVELOPMENT AWARDS

SNMMI provides various opportunities for early career professionals to get more engaged with the Society through fellowships, an internship program, leadership academies, and our annual “Ones to Watch” selection. These programs are designed to nurture future leaders of the SNMMI and recognize the new wave of talent within this exciting specialty.

FELLOWSHIPS AND SCHOLARSHIPS

BRADLEY-ALAVI STUDENT FELLOWSHIPS
Designed to stimulate students’ interest in molecular imaging/nuclear medicine by supporting their full-time participation in clinical and basic research activities for three months (or less). The Bradley-Alavi Fellowships are named by the donors - Drs. Jane and Abass Alavi - in honor of Dr. Stanley E. Bradley, a professor of Medicine and Columbia University College of Physicians and Surgeons until 1978 and a prominent researcher in the fields of renal physiology and liver disease.

2023 Recipients:

- Roberto Fedrigo
- Peter Sang Park
- Zitong Yu

WAGNER-TORIZUKA FELLOWSHIP PROGRAM
A one or two-year fellowship in the United States and Canada for Japanese physicians in the early stages of their careers, designed to advance research and clinical expertise and equip them to make significant contributions to the field of nuclear medicine and molecular imaging in Japan. The purpose of the program is to provide experience and training in nuclear medicine/molecular imaging modalities in the areas of cardiology, neurology, and oncology. Funded by Nihon Medhi-Physics

2023 Recipients:

- Hidenobu Hashimoto, MD, PhD
- Yoshiaki Ota, MD, PhD
- Yoshikazu Nakano, MD, PhD

ROBERT E. HENKIN, MD, GOVERNMENT RELATIONS FELLOWSHIP
The Robert E. Henkin Fellowship provides early-career professionals in nuclear medicine and molecular imaging direct personal exposure to government relations activities of the SNMMI as well as the state and federal legislative and regulatory process.

2023 Recipient: Angellica O. Gordon, MD
SNMMI PROFESSIONAL DEVELOPMENT AWARDS

URSULA MARY KOCEMBAA-SLOSKY, PHD PROFESSIONAL RELATIONS FELLOWSHIP
The professional relations fellowship was created in 2014 to provide emerging professionals direct, personal exposure to professional and public relations activities of the SNMMI as they relate to other medical societies and professional organizations. The fellowship is designed to provide a gifted and highly motivated early-career professional a collaborative experience in intersociety relations.

2023 Recipients: Bhasker Radaram, PhD and Remo George, PhD, CNMT

SNMMI FUTURE LEADERS ACADEMY
The SNMMI Future Leaders Academy focuses on setting a clear plan for increasing leadership abilities. Members will develop the necessary skills and receive organizational expertise in order to enhance performance and ultimately evolve into a leader both within the nuclear medicine and molecular imaging community and the SNMMI.

2023 Participants
Ragheed Al-Dulaimi, MBCHB, MPH, MSc – Pacific Northwest
Angellica Gordon, MD – Pacific Southwest
Susan Claire Gowdy, MD, MSc – Pacific Northwest
Mario Jerry, MD – International
Roxanna Juarez, MD – Northern California
Simone Krebs, MD – Greater New York
Moozhan Nikpanah, MD – Central
Matteo Novello, MD – Greater New York
Ashwin Singh Parihar, MBBS, MD – Missouri Valley
Ali Aria Razmaria, MD, MSc – Greater New York
Suman Shrestha, MBBS, PhD – International
Carlos Uribe, PhD – Pacific Northwest
Randy Yeh, MD – Greater New York
Elcin Zan, MD – Greater New York
Elena Maria Zannoni, PhD – Central

SNMMI-TS LEADERSHIP ACADEMY
The academy is a two-day leadership development program featuring current SNMMI-TS Leadership, key members of the SNMMI-TS, and staff who have dedicated themselves to improving SNMMI-TS achievement in the Nuclear Medicine and related fields. Lectures will be complemented by team building exercises and networking opportunities. Each lecture will consider a different aspect of leadership and will be led by technologists or keynote speakers with an intimate knowledge of the subject. The overall goal is to assemble a group of SNMMI-TS leaders who understand the crucial role of leadership development and who are eager to begin the path to SNMMI-TS Leadership and organizational success.

2023 Participants
Ejda Bajric – Missouri Valley
Emily Brooks – Central
Sarah Clements – New England
Michael Dillard – Pacific Northwest
Jose “Freddy” Gonzalez – Southwestern
Lucas Gross - Central
Jason Josen – Pacific Southwest
David Kelkis – Mid-Eastern
Jessica Long – Southeastern
Martha Mar – Southwestern
Elad Nevo – Greater New York
Erika Padilla-Morales – Northern California
Alexia Romano – New England
Melissa Snody – Central
Angela Weiler – Central
Caitlin Woltering – Missouri Valley
Asimeng Sarkodie – International
Miriam Yarley Yartey – International
Clement Korsah – International
Victoria Engelen – Staff
Minah Hussain – Staff
SNMMI INTERNS
The SNMMI Council/Center Internship Program provides early career professionals the opportunity to get involved with the Society at the Council and Center level. Each Council/Cen, along with the Clinical Trials Network, select an intern for a two-year term as a non-voting member of its Board of Directors. The 2023-2025 SNMMI Interns are:

- **Academic Council Intern**: Emmanuel Carrodeguas, MD
- **Brain Imaging Council Intern**: Mary Ellen Koran, MD, PhD
- **Cardiovascular Council Intern**: Chaitanya Madamanchi, MD and Mrin Shetty, MD
- **Center for Molecular Imaging Innovation & Translation Intern**: Inna Gertsenshtein, PhD
- **Clinical Trials Network Intern**: Molly Martin, PhD
- **Correlative Imaging Council Intern**: Justin Peacock, MD, PhD
- **DE&I Task Force**: Angellica Gordon, MD
- **General Clinical Nuclear Medicine Council Intern**: Crystal Gantz, CNMT, RT(CT), ARRT(N)
- **Pediatric Imaging Council Intern**: Kip Guja, MSc, MD, PhD
- **PET Center of Excellence Intern**: Thangalakshmi Sivathapandi, MD and Ahmed Abdelrahman, MD
- **Physics, Instrumentation and Data Sciences Council Intern**: Joseph Steiner, PhD
- **Radiopharmaceutical Sciences Council Intern**: Anjong Tikum, PhD
- **Therapy Center of Excellence Intern**: Ashwin Parihar Singh, MBBS, MD

FALL APPLICATIONS OPEN SOON!
Explore SNMMI and SNMMI-TS Grants and Awards Listings for 2023-2024
WWW.SNMMI.ORG/GRANTS
SNMMI ONES TO WATCH 2023

SNMMI is pleased to announce our annual list of early career professionals selected as “Ones to Watch” in 2023. Launched in 2018, SNMMI’s Ones to Watch campaign aims to recognize those with the potential to shape the future of precision medicine across all spectrums of the field. Members can nominate themselves or someone they know whose actions, work, or studies have set them apart as a future thought leader in nuclear medicine and molecular imaging. Recipients are selected with the help of the SNMMI Committee on Councils and Centers and the SNMMI-TS Professional Development Committee. We are proud to showcase rising talent in the field, offering a platform to increase recognition for early career professionals within our specialty. Congratulations to the following honorees!

Bo Zhou, MS
Attila Feher, MD, PhD
Kiran Solingapuram Sai, PhD
Krishna K. Patel, MBBS, MSc
Sophia Rose O’Brien, MD
Abhishek Jha, MD
Sandeep S. Panikar, PhD
Madison R. Kocher, MD, MBA, CIIP
Adam J Rosenberg, PhD
Kiel D. Neumann, PhD
Alejandro Bertolet, PhD
Israt Alam, PhD
Rutger S. Gunther, MD, MPH
Nandakumar Menon, MD
Raik Artschwager, PhD
SNMMI ONES TO WATCH 2023

(CONTINUED)

Thomas Anderson, MD, PhD

Catherine (Caffi) Meyer, PhD, MSc

Apurva Pandey, PhD

Natalia Herrero Alvarez, PhD

Jay S. Wright, PhD

Sumudu Katugampola, PhD

Garima Arvikar, PhD

Shalini Chopra, PhD, MSc

Kip Guja, MD, PhD

Chloee Wendorf MHA, CRA, CNMT

Sarah Clements Holt BS, CNMT, NMTCB(CT)

Jessica Long, CNMT

Sara Harsini, MD, MPH

Riccardo Laudicella, MD