# The 63rd Annual Scientific Meeting of the Japanese Society of Nuclear Medicine

# Special Program

# 1st day　Thursday Nov.16

## Room 1
### （B2F Hall A, Congrès Convention Center, GRAND FRONT OSAKA North）

| Invited Lecture 01　English | 10:40-11:40 |
|---|---|

**ICRP Satellite Event, Projected by JSMP-JSNMT-JSNM**

Chair：Yoshiharu Yonekura（Institute for Radiation Sciences, Osaka University）

Radiation Dose to Patients in Diagnostic Nuclear Medicine
（Federal Office for Radiation Protection External and Internal Dosimetry, Biokinetics）Augusto Giussani

| Invited Lecture 02　English | 14:00-14:30 |
|---|---|

**ICRP Satellite Event, Projected by JSMP-JSNMT-JSNM**

Chair：Kazuko Ohno（Kyoto Collage of Medical Science）

Initiatives for Nuclear Medicine in ICRP
（Department of Nuclear Medicine, Seoul National University College of Medicine; Member of Committee 3 (Radiological Protection in Medicine) International Commission on Radiological Protection）Jin Chul Paeng

| Invited Lecture 03　English | 14:50-15:20 |
|---|---|

**ICRP Satellite Event, Projected by JSMP-JSNMT-JSNM**

Chair：Seigo Kinuya（Department of Nuclear Medicine, Institute of Medical, Kanazawa University）

Recent developments and future challenges for ICRP Committee 3
（Secretary, ICRP Committee Three）David Sutton

## Room 2
### （B2F Room 1+2, Congrès Convention Center, GRAND FRONT OSAKA North）

| JSNM Special Project 01 | 9:00-10:00 |
|---|---|

**PRRT and Hospital Rooms with Special Measures**

Chair：Terue Okamura（Osaka Saiseikai Nakatsu Hospital）
　　　Chio Okuyama（Clinical Research Center, Shiga General Hospital）

1. Radionuclide therapy room preparation and radiation doses for medical workers
（Department of Radiology, Kindai University Hospital）Shuhei Yoshida

2. Importance of Management of PRRT by Radiologist
（Department of Radiation Oncology, Kindai University Faculty of Medicine）Aritoshi Ri

3. Exercise for ADL improvement in therapeutic nuclear medicine
（Department of Radiation Oncology, Osaka Metropolitan University Graduate School of Medicine）Masako Hosono

## JSNC-JSNM Joint Symposium　　　　　　　　　　　　　　　10:10-11:40

### Nuclear Cardiology Using Semiconductor SPECT and PET Scanners

Chair： Yoshimitsu Fukushima （Department of Radiology, Nippon Medical School）
　　　　 Shu Kasama （Nara Medical University Hospital）

1. Nuclear cardiology using a semiconductor SPECT system
（Department of Radiology, Ehime University Graduate School of Medicine） Naoto Kawaguchi

2. Features and clinical use of VERITON
（Sakakibara Heart Institute） Nobuo Iguchi

3. Myocardial strain analysis by ammonia PET and application to SPECT using AI deep learning
（Department of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University / Department of Cardiology, Tokyo Women's Medical University） Atsushi Yamamoto

4. Detailed Evaluation of Cardiac Sarcoidosis using Semiconductor PET/CT System
（Jichi Medical University Saitama Medical Center） Osamu Manabe

## JSNM Symposium 01　　　　　　　　　　　　　　　　　　13:20-14:50

### Dosimetry Challenge in Japan 〜Movement toward Standardization of Nuclear Medicine Treatment Dose Evaluation〜

Chair： Tatsuya Higashi （Institute for Quantum Medical Science (iQMS), National Institutes for Quantum Science and Technology (QST)）
　　　　 Ryuichi Nishii （Nagoya University Graduate School of Medicine）

1. SNMMI [177]Lu Dosimetry Challenge 2021 Overview and Experience
（Advanced Clinical Research Center, Fukushima Medical University） Naoyuki Ukon

2. [177]Lu Dosimetry Methods and Current Status
（QST Hospital, National Institutes for Quantum Science and Technology） Takamasa Maeda

3. Impact of technical factors for ^{177}Lu dosimetry
（Department of Radiological Sciences,School of Health Sciences, Fukushima Medical University） Noriaki Miyaji

4. Toward [177]Lu Dosimetry Challenge in Japan
（Department of Radiological Sciences, School of Health Sciences, Fukushima Medical University） Kenta Miwa

Supported by： JSNM / TRT dose / JSNMT / JSRT / JSMP

## JSNM Special Project 02　　　　　　　　　　　　　　　　15:20-16:20

### FDG-PET and Hyperglycemia

Chair： Kaoru Kikukawa （Fujita Health University Hospital）
　　　　 Yoshifumi Sugawara （National Hospital Organization Shikoku Cancer Center）

1. FDG PET scan in patients with hyperglycemia: What should we pay attention to?
（Department of Advanced Imaging in Medical Magnetic Resonance, Graduate School of Medicine Kyoto University）
Kanae Miyake

2. How to handle the patients with hyperglycemia in performing FDG-PET

（PET center, Osaka Saiseikai Nakatsu Hospital）**Koichi Koyama**

## JSNM Special Project 03        16:30-17:30

### Learn from Expert Reading

Chair： Tsuneo Saga （Clinical Research Center, Shiga General Hospital）
Chio Okuyama （Clinical Research Center, Shiga General Hospital）

1. Physiological FDG accumulation -what we should know before evaluating tumor?

（Clinical Research Center, Shiga General Hospital, Moriyama, Japan）**Chio Okuyama**

2. Look at a "single" PET image, this is important

（Department of Diagnostic Radiology, Kurashiki Central Hospital）**Koya Nakatani**

## Room 4
### （B2F Room 9, Congrès Convention Center, GRAND FRONT OSAKA North）

## JSNM Symposium 02        13:20-14:50

### Multidisciplinary Collaboration in Nuclear Medicine

Chair： Kazuko Ohno （Kyoto Collage of Medical Science）
Takayoshi Ishimori （Medical Research Institute Kitano Hospital, PIIF Tazuke-Kofukai）

1. Intoroduction of the clinical pharmacist role in application of radiopharmaceuticals

（Department of Pharmacy, National Cancer Center Hospital East / Department of Diagnostic Radiology and Nuclear Medicine, Tokyo Medical and Dental University）**Daisuke Kano**

2. The Integral Role of Nurses in Nuclear Medicine therapy

（Kanazawa University Hospital）**Masako Yamada**

3. Multidisciplinary Collaboration in University Hospitals

（Department of Advanced Imaging in Medical Magnetic Resonance, Graduate School of Medicine Kyoto University）
**Kanae Miyake**

## JSNM Symposium 03        15:30-17:30

### The World's Most Advanced Technology and Future Prospects for PET Devices

Chair： Taiga Yamaya （National Institutes for Quantum Science and Technology (QST)）
Miwako Takahashi （Department of Advanced Nuclear Medicine Sciences, Institute for Quantum Medical Science, National Institutes for Quantum Science and Technology）

1. Development of next generation PET systems: Latest technologies and the near future

（National Institutes for Quantum Science and Technology (QST)）**Taiga Yamaya**

2. Compton camera to WGI

（National Institutes for Quantum Science and Technology）**Hideaki Tashima**

3. Medical perspectives driven by innovative nuclear medicine devices

（Department of Advanced Nuclear Medicine Sciences, Institute for Quantum Medical Science, National Institutes for Quantum Science and Technology）**Miwako Takahashi**

4. Ultimate Time-of-Flight and Positron Emission (tomography) systems

<div align="right">（Central Research Laboratory, Hamamatsu Photonics K.K.） Ryosuke Ota</div>

## Room 6
### （B2F Room 7, Congrès Convention Center, GRAND FRONT OSAKA North）

### JSNM Educational Lecture 01      8:30-9:30

FDG-PET/CT Diagnosis in Routine Clinical Practice

    Chair： Keita Utsunomiya （Department of Radiology, Kansai Medical University）

1. Routine Clinical FDG-PET/CT Diagnosis in Oncology

<div align="right">（Department of Radiology, Kindai University Faculty of Medicine） Hayato Kaida</div>

2. FDG PET/CT Imaging of Infection and Inflammation

<div align="right">（Department of Nuclear Medicine, National Center for Global Health and Medicine） Ryogo Minamimoto</div>

### JSNM Educational Lecture 02      9:40-10:40

Myocardial Perfusion Scintigraphy and Ischemic Heart Disease

    Chair： Taishiro Chikamori （Tokyo Medical University）

1. Myocardial scintigraphy on the ISCHEMIA and FFRCT era

<div align="right">（Department of Cardiology, Nihon University Hospital） Naoya Matsumoto</div>

2. Nuclear medicine of ischemia with non-obstructive coronary artery disease

<div align="right">（Department of Diagnostic Radiology, Graduate School of Life Sciences, Kumamoto University） Shinya Shiraishi</div>

### JSNM Educational Lecture 03      13:20-14:20

The Forefront of Diagnosis of Alzheimer's Disease

    Chair： Hiroshi Toyama （Department of Radiology, Fujita Health University School of Medicine）

1. Current Status and Future Prospects of Amyloid PET

<div align="right">（Japan Drug Development and Medical Affairs, Eli lily Japan K.K.） Etsuko Imabayashi</div>

2. Tau PET imaging

<div align="right">（Department of Radiology, National Center for Geriatrics and Gerontology） Takashi Kato</div>

### JSNM Educational Lecture 04      14:40-15:40

Capabilities of Semiconductor PET

    Chair： Michio Senda （Kobe City Medical Center General Hospital）

1. The power of semiconductor PET: PET/CT

<div align="right">（Positron Imaging Center, Aizawa Hopital） Kazuhiro Oguchi</div>

2. The power of semiconductor PET: PET/MRI

<div align="right">（Department of Radiology, Faculty of Medical Sciences, University of Fukui） Tetsuya Tsujikawa</div>

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## JSNM Educational Lecture 05　　　　　　　　　　　　　　　15:50-16:50

### FDG-PET in Cardiovascular Diagnosis

Chair： Atsutaka Okizaki （Department of Radiology, Asahikawa Medical Univerisity）

1. FDG-PET for Cardiac Sarcoidosis

（Department of Radiology and Nuclear Medicine, Fukushima Medical University） Kenji Fukushima

2. FDG-PET in Cardiovascular Diagnosis: Large Vessel Vasculitis

（Department of Diagnostic Radiology, University of Tokyo Medical and Dental University） Junichi Tsuchiya

## Room 10
### （10F Room B08, Conference Room Tower B, GRAND FRONT OSAKA North）

## JSNM Working Groups Reporting Session　　　　　　　　　　　9:00-10:00

Chair： Masayuki Sasaki （Koga Hospital 21）
　　　　Yoshihiro Nishiyama （Department of Radiology, Faculty of Medicine, Kagawa University）

1. Construction and application of image database for the standardization of brain PET tests

（Japan Radioisotope Association） Hirofumi Fujii

2. For clinical research using in-house manufacturing 89Zr labeled compounds

（Department of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University）
Yuji Nakamoto

3. Annual Report of the JSNM WG "Issues on the Use of Amyloid PET for Dementia Screening"

（Department of Functional Neurology &Neurosurgery, Center for Integrated Human Brain Science, Brain Research Institute, Niigata University / Department of Functional Brain Imaging, Institute for Quantum Medical Science, Institutes for Quantum and Radiological Science and Technology） Hitoshi Shimada

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# 2nd day　Friday Nov.17

## Room 1
### （B2F Hall A, Congrès Convention Center, GRAND FRONT OSAKA North）

### Nuclear Medicine Practice in Japan -A Report of the 9th Nationwide Survey in 2022-　　　　10:05-10:35

Chair： Yusuke Inoue （Kitasato University School of Medicine）

The Present State of Nuclear Medicine Practice in Japan with 9th Nationwide Survey

（Department of Radiology, Asahikawa Medical University） Atsutaka Okizaki

### Invited Lecture 04　（English）　　　　　　　　　　　　10:40-11:40

Chair： Hidehiko Okazawa （University of Fukui, Biomedical Imaging Research Center）

Baseline and Longitudial Tau Pet with $^{18}$F-MK6240 in Early Alzheimer's disease

（University of Melbourne） Christopher Rowe

### JASTRO-JSNM Joint Symposium　　　　　　　　　　　　13:10-14:40

Collaboration to Create the Future of Nuclear Medicine Treatment

Chair： Seigo Kinuya （Department of Nuclear Medicine, Kanazawa University）
　　　　Kaoru Okajima （Department of Radiology, Nara Hospital, Kindai University）

1. Promotion of PRRT and MIBG therapy

（Department of Radiology, Kagoshima Uniiversity Hospital） Megumi Jinguji

2. Nuclear Medicine Nursing Subcommittee in Nuclear Medicine Nursing

（Tokyo Women`s Medical University Hospital） Naomi Ozaki

3. The ideal state of radionuclide therapy from a radiation Oncologist's perspective

（Department of Radiation Oncology, Yokohama City University Graduate School of Medicine） Shoko Takano

4. Recent Trends in Radionuclide Therapy

（Department of Health Sciences, Kyushu University） Shingo Baba

Commentor

（Department of Radiation Oncology, Kindai University Faculty of Medicine） Yukinori Matsuo

### Invited Lecture 05　（English）　　　　　　　　　　　　16:10-17:10

Chair： Takashi Kudo （Department of Radioisosope Medicine, Atomic Bomb Disease Institute, Nagasaki University）

PRRT (peptide receptor radionuclide therapy) for Neuroendocrine Neoplasms in Europe

（Nuclear Medicine, Alma Mater Studiorum, University of Bologna, Italy） Valentina Ambrosini

## Room 2
### （B2F Room 1+2, Congrès Convention Center, GRAND FRONT OSAKA North）

## JSNM Special Project 04　　　　　　　　　　　　　　　　　　8:30-9:30

### New Era of Dementia Treatment and Operation of Amyloid PET

Chair： Ukihide Tateishi （Department of Diagnostic Radiology and Nuclear Medicine, Tokyo Medical and Dental University）

　　　　Hiroshi Ito （Fukushima Medical University）

1. New era of dementia treatment and operation of amyloid PET
　　　　（Neuroimaging and AI diagnostic system, Tokyo Metropolitan Institute for Geriatrics and Gerontology） Kenji Ishii

2. Brain amyloid PET tests in Japan
　　　　　　　　　　　　　　　　　　　（Japan Radioisotope Association） Hirofumi Fujii

## JSNM Special Project 05　　　　　　　　　　　　　　　　　　9:35-10:35

Chair： Masafumi Harada （Department of Radiology, Institute of Biomedical Sciences, Tokushima University Graduate School）

Clinical Impact of Amyloid PET ($^{18}$F-florbetapir; AMYViD®) - The Usefulness of Quantitative Analysis Softwares-
　　　　（Department of Biofunctional Imaging, Fukushima Medical University） Hiroshi Matsuda

Supported by： PDRadiopharma Inc.

## JSNM Symposium 04　　　　　　　　　　　　　　　　　　13:10-14:40

### Application of AI to Image Reconstruction and Optimization

Chair： Masanobu Ibaraki （Akita Research Institute of Brain and Blood Vessels）

　　　　Hidehiko Okazawa （University of Fukui, Biomedical Imaging Research Center）

1. Attenuation Correction for PET/MRI Using Deep Learning - Application to the Chest Region
　　　　（Department of Radiology, Kobe University Hospital / Biomedical Imaging Research Center, University of Fukui）
　　　　　　　　　　　　　　　　　　　　　　　　　Munenobu Nogami

2. Motion correction based on PET data and the use of AI in PET image reconstruction
　　　　　　　　　　　　　　　　　　　（GE HealthCare） Takako Kurimoto

3. Deep learning for PET image reconstruction
　　　　（Central Research Laboratory, Hamamatsu Photonics K.K. / Graduate School of Science and Engineering, Chiba University / National Institutes for Quantum Science and Technology） Fumio Hashimoto

4. Application of deep image prior to SPECT image reconstruction
　　　　（Graduate School of Science and Technology, Hirosaki University） Tsutomu Zeniya

Special Program　2nd day　Friday Nov. 17

| JSNM Special Project 07 | 16:10-17:10 |
|---|---|

## Rising Star Session 〜 Exploring the Brilliant Future of Nuclear Medicine 〜

Chair： Daiki Kayano （Department of Nuclear Medicine, Kanazawa University）
　　　　Tadashi Watabe （Department of Nuclear Medicine, Osaka University）

1. Visualization of Neurodegenerative Diseases Using PET in the In Vivo Brain
   （Department of Functional Brain Imaging, Institute for Quantum Medial Science, National Institutes for Quantum Science and Technology (QST)） Hironobu Endo

2. Upcoming technologies of immunoPET and everyday practice-a perspective from a working mom
   （Preemptive Medicine and Lifestyle Related Disease Research Center, Kyoto University Hospital） Tomomi Nobashi

3. Advancing Nuclear Medicine through Theranostics: The Impact of PSMA and FAPI on Cancer Diagnosis and Treatment
   （Department of Nuclear Medicine, National Center for Global Health and Medicine） Masatoshi Hotta

Supported by：GE HealthCare Japan

## Room 3
（B2F Room 3, Congrès Convention Center, GRAND FRONT OSAKA North）

| JSNM Symposium 05 | 13:20-14:50 |
|---|---|

## Emergent Research on Next-Generation Radiopharmaceuticals

Chair： Masahiro Ono （Graduate School of Pharmaceutical Sciences, Kyoto University）
　　　　Tomoya Uehara （Graduate School of Pharmaceutical Sciences, Chiba University）

1. Development of a novel PET probe for neuronal oxytocin receptor
   （Preeminent Medical Photonics Education & Research Center, Hamamatsu University School of Medicine）
   Chie Suzuki

2. Development of bi-modal agents for radiopharmaceutical therapy and photodynamic therapy
   （Graduate School of Pharmaceutical Sciences, Kyoto University） Hiroyuki Watanabe

3. Development of imaging probes that characterize the cancer tissues and microenvironment
   （Graduate School of Medical Sciences, Kanazawa University） Takeshi Fuchigami

4. Controlling the biodistribution of radiopharmaceuticals in combination with drugs
   （Near InfraRed Photo-ImmunoTherapy Research Institute, Kansai Medical University ／ Gunma University Graduate School of Medicine） Hirofumi Hanaoka

## Room 4
### (B2F Room 9, Congrès Convention Center, GRAND FRONT OSAKA North)

## PET Nuclear Medicine Workshop                                                9:40-11:40

### Evolution of PET Seen at the PET Summer Seminars

Chair： Masayuki Sasaki （Koga Hospital 21）
Noboru Oriuchi （Fukushima Medical University, Advanced Clinical Research Center）

1. History and characteristics of PET Summer Seminar reflect distinctive features of PET
   （Department of Molecular Imaging Research, Kobe City Medical Center General Hospital） **Michio Senda**

2. The spread of clinical PET and the advancement of PET/CT devices
   （Atsuchi Memorial Clinic PET Center） **Seishi Jinnouchi**

3. Even a small clinic can hold PET Summer Seminar
   （Central CI Clinic） **Eriko Tsukamoto**

4. PET Summer Seminar 2016 in Kumamoto that was held after overcoming the Kumamoto earthquake
   （Preventive Medicine Center, Shonan Kamakura General Hospital） **Rumi Nakashima**

5. PET summer seminar 2021 in Gero under the declaration of a state of emergency, after the passing away of seminar in 2020
   （Himedic Nagoya, Trust Clinic） **Masanori Tadokoro**

6. Fighting the COVID-19 Pandemic -Harvest from the "PET Summer Seminar 2022 in Kofu"-
   （Fujita Medical Innovation Center Tokyo, Radiology） **Yoko Satoh**

7. New trends in Nuclear medicine from the standpoint in PET summer seminar 2023 in Narita
   （Department of Radiology, Juntendo University Faculty of Medicine） **Koji Murakami**

8. PET summer Seminar 2024
   （Department of Radiology, Kagawa University） **Yoshihiro Nishiyama**

## JSNM Symposium 06   （English）                                             13:20-14:20

### Dedicated breast PET

Chair： Yoko Sato （Fujita Medical Innovation Center Tokyo, Radiology）
Li Huo （Peking Union Medical College Hospital）

1. How to use breast-specific PET exam in our breast cancer screening
   （Jinsenkai MI Clinic） **Naomi Morita**

2. Predictive value of radiomic signature based on $^{18}$F-FDG PET/CT in molecular subtype classification for primary breast cancer
   （Tianjin Medical University Cancer Institute & Hospital） **Xiaofeng Li**

Special Program　2nd day　Friday Nov. 17

3. $^{18}$F-FES and $^{18}$F-FDG PET/CT Imaging as a Predictive Biomarkers for Metastatic Breast Cancer Patients undergoing Cyclin-Dependent 4/6 Kinase Inhibitors with endocrine treatment

（Department of Nuclear Medicine, Fudan University Shanghai Cancer Center, Shanghai, China / Department of Oncology, Shanghai Medical College, Fudan University, Shanghai, China） Cheng Liu

Supported by：Shimadzu Corporation

## Room 5
### （B2F Room 8, Congrès Convention Center, GRAND FRONT OSAKA North）

## Women in Japanese Society of Nuclear Medicine "Nadeshiko"
8:30-10:00

### The future of women in nuclear medicine

Chair：Mayuki Uchiyama （Department of Radiology, The Jikei University School of Medicine）
Kazuko Ohno （Kyoto Collage of Medical Science）

1. Opinion as a nuclear medicine physician

（Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine Kyoto University） Masako Kataoka

2. Opinion as a radiopharmaceutical scientist

（Kyoto College of Medical Science） Izumi Umeda

3. Opinion as a radiological technologist

（Gifu Prefectural General Medical Center） Mieko Ota

4. Opinion as a nurse specialist in nuclear medicine

（Kurashiki Central Hospital） Takako Harada

5. Opinion from company

（Chiyoda Technol Corporation） Miki Hirata

## Room 6
### （B2F Room 7, Congrès Convention Center, GRAND FRONT OSAKA North）

## JSNM Educational Lecture 06
8:20-9:20

### PET for Breast Cancer

Chair：Rumi Nakashima （Iryohojin Tokushukai Shonan Kamakura General Hospital Preventive Medicine Center）

1. Whole-body PET/CT in breast cancer diagnosis

（Department of Advanced Imaging in Medical Magnetic Resonance, Graduate School of Medicine Kyoto University）
Kanae Miyake

2. The history and latest knowledge of dedicated breast PET

（Fujita Medical Innovation Center Tokyo, Radiology） Yoko Satoh

## JSNM Educational Lecture 07 9:30-10:30

### Nuclear Medicine Therapy

Chair： Yoshihiro Nishimura （Kagawa University）

1. Radioactive iodine management of differentiated thyroid cancer

（Deparment of Radiology, Tokyo Medical University） Mana Yoshimura

2. Inpatient and outpatient management and troubleshooting of PRRT for neuroendocrine tumors

（Department of Diagnostic Radiology, National Cancer Center Hospital） Kimiteru Ito

## JSNM Educational Lecture 08 10:40-11:40

### Degenerative and Cerebrovascular Diseases: Relearning the Basics of Nuclear Neurology

Chair： Masafumi Harada （Department of Radiology, Tokushima University）

1. Intepretation of Dopamine Transporter Imaging

（Department of Radiology, The University of Toho） Sunao Mizumura

2. Origins and clinical significance of abnormal findings in cerebral blood flow SPECT

（Department of Psychiatry, Graduate School of Medicine, Kyoto University） Hiroshi Yamauchi

## JSNM Special Project 06 (English) 13:20-14:20

### Pathology Explored by Nuclear Medicine and from Genome to Phenome

Chair： Keigo Endo （Kyoto College of Medical Science）
Tetsuya Higuchi （Gunma University）

1. Molecualr Imaging-based Pathology

（Zhejiang University, Hangzhou, China） Hong Zhang

2. From Human Genome to Human Phenome, the Challenge and Opportunity of Nuclear Medicine

（Fudan University, Shanghai, China） Mei Tian

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## Room 8
### (10F Room B02, Conference Room Tower B, GRAND FRONT OSAKA North)

| Hisada Prize Winner's Lecture | 11:00-11:30 |
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Chair： Kazunari Ishii （Department of Radiology Kindai University Faculty of Medicine）

| Asian and Oceanian Young Investigator Award; Research Encouragement Prize; Returnee Encouragement Prize Winner's Lecture　(Partially English) | 15:00-17:00 |
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Chair： Masayuki Sasaki （Koga Hospital 21）
　　　　Yoshihiro Nishiyama （Department of Radiology, Kagawa University）

## Room 10
### (10F Room B08, Conference Room Tower B, GRAND FRONT OSAKA North)

| The 3rd Congress of East Asia Nuclear Medicine Association　(English) | 9:20-10:00 |
| --- | --- |

Chair： Masafumi Kameyama （Research Team for Neuroimaging, Tokyo Metropolitan Institute for Geriatrics and Gerontology）
　　　　Ji Yong Park （Department of Nuclear Medicine, Seoul National University, Korea）

| | 10:00-10:50 |
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Chair： Masatoyo Nakajo （Kagoshima University）
　　　　Hui Wang （XinHua Hospital of Shanghai Jiaotong University）

| | 10:50-11:40 |
| --- | --- |

Chair： Kenji Hirata （Hokkaido University）
　　　　Xiaoli Lan （Union Hospital Tongji Medical College of Huazhong University of Science and Technology）

United Imaging Healthcare Japan will broadcast a video from 9:00 a.m.
Please check the App of JSNM/JSNMT Program Book for program details.
　　　　　Supported by： United Imaging Healthcare Japan / Chartwell Healthcare Corporation

| The 18th Japan-China Nuclear Medicine Exchange Seminar　(English) | 14:40-17:10 |
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Chair： Osamu Manabe （Jichi Medical University Saitama Medical Center）
　　　　Yaming Li （The First Hospital of China Medical University）

1. Exprerience in Training and Education for Young Nuclear Medicine Physicians----Step ouside and go insight
　　　　　　　（Department of Nuclear Medicine, Zhongshan Hospital, Fudan University） Taoying Gu

2. Clinical application research of new digital PET technology
　　　　　　　（Department of Nuclear Medicine, Fudan Universty Zhongshan Hospital） Shuguang Chen

3. Advancements and Challenges in Attenuation Correction for Dedicated Brain PET Hardware

（Department of Radiology, Nippon Medical School Musashi Kosugi Hospital） Tetsuro Sekine

4. Multidisciplinary collaboration for PET-CT scans for patients in severe condition

（Hokkaido University Hospital） Yuki Sawada

5. Features and problems of High-Resolution PET system dedicated to the Head and Breast

（Division of Positron Emission Tomography Institute of Advanced Clinical Medicine, Kindai University）
Kohei Hanaoka

Supported by：United Imaging Healthcare Japan / Chartwell Healthcare Corporation

Special Program　2nd day　Friday Nov. 17

# 3rd day　Saturday Nov.18

## Room 1
### （B2F Hall A, Congrès Convention Center, GRAND FRONT OSAKA North）

### JSNM Symposium 07　（Partially English）　　　8:30-10:00

**New Information Approaching Nuclear Oncology Imaging**

Chair：Ryuichi Nishii（Nagoya University Graduate School of Medicine）
　　　Chio Okuyama（Shiga General Hospital）

1. FAP-ligand for imaging and theranostics
（Department of Nuclear Medicine, University Hospital Duesseldorf, Medical Faculty, Heinrich-Heine-University, Germany）
**Frederik L Giesel**

2. Expectations for $^{18}$F-FACBC in Brain Tumor Diagnosis
（Department of Diagnostic Radiology, National Cancer Center Hospital）**Kimiteru Ito**

3. PSMA-PET changes the future of treatment in prostate cancer
（Osaka University Gaduate School of Medicine）**Tadashi Watabe**

4. Diagnostic roles of $^{18}$F-Fluoroestradiol PET in breast cancer
（Department of Advanced Imaging in Medical Magnetic Resonance, Graduate School of Medicine Kyoto University）
**Kanae Miyake**

### JSNM Symposium 08　　　　　10:10-11:40

**New Developments in Dementia and Neurodegenerative Diseases**

Chair：Kenji Ishii（Tokyo Metropolitan Institute for Geriatrics and Gerontology）
　　　Kazunari Ishii（Department of Radiology, Kindai University Faculty of Medicine）

1. Perspectives from Above, Within, and Beyond: Unveiling Dementia through PET Imaging
（Department of Functional Neurology & Neurosurgery, Center for Integrated Human Brain Science, Brain Research Institute, Niigata University／Department of Functional Brain Imaging, Institute for Quantum Medical Science, Institutes for Quantum and Radiological Science and Technology）**Hitoshi Shimada**

2. Clinical usefulness of [$^{18}$F]SMBT-1, a novel reactive astrocyte imaging agent
（Cyclotron and Radioisotope Center, Tohoku University）**Manabu Tashiro**

3. Alpha-Synuclein imaging
（National Institutes for Quantum Science and Technology）**Maiko Ono**

4. Multimodality crosstalk between PET molecular imaging and functional MRI
（Biomedical Imaging Research Center, University of Fukui）**Hidehiko Okazawa**

## Room 2
### （B2F Room 1+2, Congrès Convention Center, GRAND FRONT OSAKA North）

### JSNM Symposium 09                                              8:30-10:00

**Multimodality Diagnosis of Cardiac Amyloidosis**

Chair： Kenji Fukushima （Fukushima Medical University）
Yasuyo Taniguchi （Harimahimeji General Medical Center）

1. CT Diagnosis of Cardiac Amyloidosis
（Mie Regional Plan Co-creation Organization, Mie University） **Kakuya Kitagawa**

2. Cardiac MRI for cardiac amyloidosis
（Department of Radiology, Jichi Medical University Satiama Medical Center） **Noriko Oyama-Manabe**

3. Diagnosis of Cardiac Amyloidosis with Nuclear Medicine
（Department of Radioisosope Medicine, Atomic Bomb Disease Institute, Nagasaki University） **Takashi Kudo**

### JSNM Symposium 10                                              10:10-11:40

**Invitation to Research**

Chair： Yuji Nakamoto （Graduate School of Medicine, Kyoto University）
Yuka Yamamoto （Kagawa University）

1. What I Have Gained from Engaging in Research
（Department of Radiology, Kyoto University Hospital） **Sho Koyasu**

2. Designing Your Future Self: Proposing a New Strategies for Synergizing Research and Career
（Department of Radiology, Nippon Medical School Musashi Kosugi Hospital） **Tetsuro Sekine**

3. Change in research mindset according to various positions
（Department of Medical Radiation Sciences, Facukty of Life Sciences, Kumamoto University） **Fumi Sakamoto**

4. Unexpected research themes are in daily clinical practice
（Clinical Research Center, Shiga General Hospital） **Chio Okuyama**

## Room 4
### （B2F Room 9, Congrès Convention Center, GRAND FRONT OSAKA North）

### Oral and Maxillofacial Nuclear Medicine Forum                  9:50-11:50

**Nuclear Medicine Examination in Dental Radiology**

Chair： Shin Nakamura （Department Dental Radiology and Radiation Oncology, Tokyo Medical and Dental University）
Ichiro Ogura （Department of Oral and Maxillofacial Radiology, The Nippon Dental University School of Life Dentistry at Niigata）

1. PET/CT in Dental Radiology
（Department of Dental Radiology and Radiation Oncology, Graduate School, Tokyo Medical and Dental University）
**Shin Nakamura**

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2. SPECT/CT in Oral and Maxillofacial Radiology
（Department of Oral and Maxillofacial Radiology, The Nippon Dental University School of Life Dentistry at Niigata）
**Ichiro Ogura**

## The 24th meeting of the Japanese Council of Nuclear Neuroimaging
14:10-16:10

### Neuroinflammation in dementia and pshiciatric disease　-Invitation to Nuclear Neuroimaging-

Chair： Tatsuhiro Terada （Department of Neurology, Shizuoka Institute of Epilepsy and Neurological Disorders / Department of Biofunctional Imaging, Preeminent Medical Photonics Education & Research Center, Hamamatsu University School of Medicine）

Masamichi Yokokura （Department of Psychiatry, Hamamatsu University School of Medicine）

1. Neuroinflammation in psychiatric disorders focusing on in vivo PET studies
（Department of Psychiatry, Hamamatsu University School of Medicine） **Masamichi Yokokura**

2. Neuroinflammation and mitochondrial dysfunction in dementing disease: in vivo PET study
（Department of Neurology, Shizuoka Institute of Epilepsy and Neurological Disorders / Department of Biofunctional Imaging, Preeminent Medical Photonics Education & Research Center, Hamamatsu University School of Medicine）
**Tatsuhiro Terada**

3. "Neurodegenerative factors" evaluated by PET - Focusing on oxidative stress
（Department of Community Health Science, Faculty of Medical Sciences, University of Fukui / Biomedical Imaging Research Center, University of Fukui） **Masamichi Ikawa**

## Room 5
（B2F Room 8, Congrès Convention Center, GRAND FRONT OSAKA North）

## The 60th Meeting of the Japanese Society of Nuclear Medicine in Oncology and Immunology
14:10-15:10

Chair： Yoshihiro Nishiyama （Department of Radiology, Faculty of Medicine, Kagawa University）

The utility of FDG-PETCT in diagnosing stage and therapeutic effect of primary lung cancer
（Department of Radiology,Faculty of Medicine, Fukuoka University） **Shigeki Nagamachi**

## The 42nd Meeting of the Respiratory Imaging Seminar
15:10-16:10

Chair： Nobuyoshi Fukumitsu （Kobe Proton Center）

1. Treatment outcome prediction using Radiomics analysis
（Department of Radiation Oncology, Institute of Biomedical & Health Sciences, Hiroshima University）
**Daisuke Kawahara**

2. Functional image-guided made-to-order radiation therapy for lung cancer
（Department of Radiation Oncology, Kochi Medical School, Kochi University） **Tomoki Kimura**

## Room 6
### (B2F Room 7, Congrès Convention Center, GRAND FRONT OSAKA North)

### JSNM Educational Lecture 09      9:40-10:40

**Functional Brain Imaging Methods and Devices: Aiming to Improve Quantitativeness and Objectivity**

Chair： Katsuhiko Kato （Nagoya University Graduate School of Medicine, Department of Integrated Health Sciences, Division of Advanced Information Health Sciences, Biomedical Imaging Sciences, Functional Medical Imaging）

1. Functional neuroimaging --- realizing quantitative and objective outcome
（Faculty of Informatics, Cyber Informatics Research Institute, Kindai University） **Yuichi Kimura**

2. Quantitative performance and clinical impact of Helmet-type PET
（Department of Advanced Nuclear Medicine Sciences, Institute for Quantum Medical Science, National Institutes for Quantum Science and Technology） **Miwako Takahashi**

### JSNM Educational Lecture 10      10:50-11:50

**Myocardial Disease and Nuclear Medicine**

Chair： Jun Hashimoto （Department of Radiology, Tokai Universty School of Medicine）

1. Algorithms of clinical diagnosis and treatment for cardiac amyloidosis
（Department of cardiology, Harimahimeji General Medical Center） **Yasuyo Taniguchi**

2. Nuclear imaging of triglyceride deposit cardiomyovasculopathy (TGCV)
（Department of Functional Imaging and Artificial Intelligence, Kanazawa University） **Kenichi Nakajima**

## Room 8
### (10F Room B02, Conference Room Tower B, GRAND FRONT OSAKA North)

### Nuclear Medicine Nursing Forum      9:00-11:00

**My Nuclear Medicine -As a Nuclear Medicine Nurse-**

Chair： Aya Kashima （Matsuyama Heart Center Yotsuba Circulation Clinic）
Takako Harada （Kurashiki Central Hospital）

1. My Nuclear Medicine -Pediatrics, Pulmonary, RI Therapy-
（Department of Radiology, The Jikei University School of Medicine） **Mayuki Uchiyama**

2. The Role of Nurses at Our Hospital -As a Nuclear Medicine Nurse-
（Uozumi Clinic） **Miyuki Toyonari**

3. My experience as a nuclear medicine nurse
（Kagawa University Hospital Nursing Department） **Miyoko Kamada**

4. Problems and efforts for dealing with acute deterioration in patient receiving RI-therapy
（Osaka University Hospital） **Mayumi Kino**

Special Program　3rd day　Saturday Nov. 18