

【Joint Sessions for Japan Radiology Congress】

Joint Opening Ceremony

· Joint Opening Ceremony: April 16 (Thu.) 17:00–18:00 (National Convention Hall)

Keynote Lecture

- President: Osamu Abe (The University of Tokyo)
The 85th Annual Meeting of the Japan Radiological Society (JRS)
- President: Hidetaka Hayashi
(National Institutes for Quantum and Radiological Science and Technology)
The 82nd Annual Meeting of the Japanese Society of Radiological Technology (JSRT)
- President: Akihiro Nohtomi (Kindai University)
The 131st Scientific Meeting of the Japan Society of Medical Physics (JSMP)
- President: Toshio Takiguchi
Japan Medical Imaging and Radiological Systems Industries Association (JIRA)

Welcome Reception for All Participants

April 16 (Thu.) 19:00–20:15 (Yokohama Bay Hotel Tokyu B2F Queen's Grand Ballroom)

Joint Special Lecture

· Joint Special Lecture 1: April 16 (Thu.) 18:00–18:30 (National Convention Hall)

Chairperson: University of Tokyo Osamu Abe

CSL1. Digital democracy in the AI era: The strategy for achieving a high-speed cycle of 'Listen, Refine, and Communicate'

Leader of Team Mirai, Member of the House of Councillors, AI Engineer, Science Fiction Writer
Takahiro Anno

· Joint Special Lecture 2: April 18 (Sat.) 11:00–11:50 (502)

Chairperson: QST Yasuo Okuda

CSL2. Discovery of innate lymphoid cell

QST Shigeo Koyasu

Joint Symposium

· Joint Symposium 1: April 17 (Fri.) 13:10–15:10 (National Convention Hall)

「Predicting the future of LLM and generative AI; current places and futures of the other departments and jobs」

Chairperson: The University of Tokyo Hospital Shouhei Hanaoka
Osaka Metropolitan University Hospital Yutaka Katayama

CSY1-1. Dermatology in the LLM era: Before the big shift begins	Ehime University	Yasuhiro Fujisawa
CSY1-2. Ophthalmology perspective	University of Tsukuba	Hidenori Takahashi
CSY1-3. From the standpoint of diagnostic pathology	National Cancer Center	Shingo Sakashita
CSY1-4. Radiation therapy x LLMs: Medical physicist's perspective	Tohoku University	Noriyuki Kadoya
CSY1-5. The future of clinical specialties with LLMs and AI: A radiological technologist's perspective	Osaka Metropolitan University Hospital	Yutaka Katayama
CSY1-6. From a perspective of radiologist	The University of Tokyo Hospital	Shouhei Hanaoka

• Joint Symposium 2: April 18 (Sat.) 9:00–11:00 (National Convention Hall)

「AI Challenge in JRC2026」

	Chairperson: Meijo University	Atsushi Teramoto
	Kobe Tokiwa University	Asumi Yamazaki
CSY2-1. AI Challenge in JRC2026: Overview and results	QST	Kensuke Umehara
CSY2-2. Presentation by the Special Award Winner		
CSY2-3. Presentation by the Bronze Award Winner		
CSY2-4. Presentation by the Silver Award Winner		
CSY2-5. Presentation by the Gold Award Winner		
CSY2-6. Award Ceremony	University of Electro-Communications	Hayaru Shouno
CSY2-7. Summary and future directions	Meijo University	Atsushi Teramoto

• Joint Symposium 3: April 18 (Sat.) 13:30–15:30 (National Convention Hall)

「The frontiers of targeted radionuclide therapy」

	Chairperson: Kindai University	Makoto Hosono
	Fukushima Medical University	Kenta Miwa
E CSY3-1. NEA's vision and expectations for the global promotion of Targeted Radionuclide Therapy (TRT) utilizing nuclear energy	NEA	William D. Magwood, IV
CSY3-2. The cutting-edge of Targeted Radioligand Therapy in Japan and worldwide	The University of Osaka	Tadashi Watabe

CSY3-3. A cutting edges technology of dosimetry for radionuclide therapy	Fukushima Medical University	Naoyuki Ukon
CSY3-4. Radionuclide production for radio-therapy: Current status in Japan	QST	Kotaro Nagatsu
CSY3-5. Radiation regulation and the challenges of Targeted Radionuclide Therapy	QST	Tatsuya Higashi

Hands on Seminar

· Hands on Seminar: April 17 (Fri.) 9:40–11:40 (315)

「Local LLM fundamentals and practice: A no-coding, no-programming hands-on experience」

	Chairperson: Juntendo University	Akihiko Wada
CHS1-1.	The University of Tokyo Hospital	Soichiro Miki
CHS1-2.	The University of Tokyo Hospital	Takahiro Nakao
CHS1-3.	The University of Tokyo	Yosuke Yamagishi
CHS1-4.	Juntendo University	Yuki Sonoda
CHS1-5.	The University of Tokyo Hospital	Yuichiro Hirano
CHS1-6.	Juntendo University Urayasu Hospital	Mitsuo Nishizawa

· Hands on Seminar: April 18 (Sat.) 9:10–11:40 (315)

「Postmortem imaging interpretation workshop」

	General Manager: Hokkaido University	Kohsuke Kudo
	Coordinator: University of Fukui	Hideki Hyodoh
CHS2-1.	Hokkaido University	Yohei Ikebe
CHS2-2.	University of Miyazaki	Norihiro Shinkawa
CHS2-3.	Saiseikai Nagasaki Hospital	Tomonori Murakami
CHS2-4.	Chiba University	Maiko Yoshida
CHS2-5.	The University of Tokyo Hospital	Go Shirota
CHS2-6.	Hiroshima University	Wataru Fukumoto

CHS2-7.	Tokyo Medical University	Masanori Ishida
CHS2-8.	Niigata University	Naoya Takahashi
CHS2-9.	The University of Tokyo	Yohsuke Makino
<p>· Hands on Seminar: April 18 (Sat.) 13:30–15:30 (315) 「Renal and prostate imaging interpretation workshop」</p>		
	General Manager: Keio University	Masahiro Jinzaki
	Coordinator: Aijinkai Takatsuki General Hospital	Satoru Takahashi
CHS3-1.	Keio University	Masahiro Jinzaki
CHS3-2.	Aijinkai Takatsuki General Hospital	Satoru Takahashi
CHS3-3.	Kawasaki Medical School	Tsutomu Tamada
CHS3-4.	Kobe University Hospital	Yoshiko Ueno
CHS3-5.	Hiroshima University	Yukiko Honda
<p>· Hands on Seminar (JSRT Program 1): April 16 (Thu.) 13:30–15:30 (National Convention Hall 1F) 「Try it! Making a dosimeter on seminar 2026」</p>		
	Chairperson: The Jikei University Katsushika Medical Center	Tomokazu Shoji
CHS4-1.	NICT	Koji Uchida
CHS4-2.	Niigata University of Health and Welfare	Yusuke Obara
CHS4-3.	Teikyo University	Takayuki Kobayashi
CHS4-4.	Teikyo University	Hiroki Saito
CHS4-5.	The Jikei University Katsushika Medical Center	Tomokazu Shoji
CHS4-6.	Yokyo Metropolitan Tama-Hokubu Medical Center	Katsuhiro Nishikata
CHS4-7.	The Jikei University Hospital	Takeshi Fujii
CHS4-8.	The Jikei University Hospital	Ami Yuzawa

CHS4-9.

The Jikei University West Medical Center

Haruki Wada

· Hands on Seminar (JSRT Program 2): April 17 (Fri.) 9:00–11:20, 13:30–17:10, April 18 (Sat.) 9:00–11:20
(National Convention Hall N101)

「Hands-on seminar on quality control for medical imaging monitors」

CHS5.

· Hands on Seminar (JSMP-JCMP Joint Session): April 18 (Sat.) 15:00–17:00 (National Convention Hall 1F)

「Hands-on workshop on risk analysis for radiotherapy quality management」

CHS6-1.

Japanese Red Cross Kyoto Daini Hospital

Shie Nishioka

CHS6-2.

National Cancer Center Hospital

Hiroyuki Okamoto

CHS6-3.

National Cancer Center Hospital

Takahito Chiba

CHS6-4.

Kurume University Hospital

Asumi Mizoguchi

CHS6-5.

Uji-Tokushukai Medical Center

Yoshitomo Ishihara

Joint Closing Ceremony

Performance: JRC2026 Festival Orchestra

Joint Closing Ceremony: April 19 (Sun.) 12:00–13:00 (National Convention Hall)

Farewell Reception for All Participants

April 19 (Sun.) 13:10–14:30 (National Convention Hall 1F (Marine Lobby))

【JSRT-JSMP Joint Session】

The 5th ICRPT Opening Ceremony

April 17 (Fri.) 10:30–10:50 (502)

JSRT-JSMP Joint Lecture 1

April 17 (Fri.) 16:00–16:50 (502)

Chairperson: Kindai University Hospital Kohei Hanaoka

TPJ1. Current status and future perspectives of nuclear medicine therapy from the viewpoint of a radiopharmacist

Faculty of Medicine Siriraj Hospital, Mahidol University Shuichi Shiratori

JSRT-JSMP Joint Lecture 2

April 18 (Sat.) 12:00–12:50 (502)

Chairperson: Fukushima Medical University Kenta Miwa

E TPJ2. Global frontiers in targeted radionuclide therapy dosimetry: evidence, barriers, and paths forward

University Hospital Würzburg Johannes Tran-Gia

Ceremony for Radiological Physics and Technology Awards 2025

April 17 (Fri.) 11:00–11:50 (502)

Chairperson: Kyusyu University Toshioh Fujibuchi

TPA1-1. Greeting from RPT editor in chief

Fukuoka International University of Health and Welfare Junji Shiraishi

TPA1-2. Most Citation Award Ceremony

TPA1-3. Outstanding Reviewer Award Ceremony

TPA1-4. Doi Award Ceremony

TPA1-5. RPT Editorial Report

Springer Nature Japan

Yuko Arai

Doi Award Lectures

April 17 (Fri.) 12:00–12:50 (502)

TPA2-1. Medical Imaging

Chairperson: Fukuoka International University of Health and Welfare Junji Shiraishi

Directional vector-based quick evaluation method for protective plate effects in X-ray fluoroscopy (DQPEX)

Saga University Hospital Kyoko Hizukuri

TPA2-2. Nuclear Medicine

Chairperson: QST Taiga Yamaya

Initial demonstration of the Scratch-PET concept: an intraoperative PET with a hand-held detector

Chiba University Taiyo Ishikawa

QST Yuma Iwao

TPA2-3. Radiation Therapy

Chairperson: Nagoya City University Toshiyuki Toshito

Linear energy transfer correction using $Al_2O_3:Cr$ thermoluminescent and radiophotoluminescence glass dosimeters for therapeutic proton dosimetry

Tokyo Metropolitan University Weishan Chang

TPA2-4. Magnetic Resonance Imaging

Chairperson: Kanazawa University Toshiaki Miyati

Water/fat separate reconstruction for body quantitative susceptibility mapping in MRI

Nagoya University Hirohito Kan

【JSMP Program】

Educational Lecture 1

April 16 (Thu.) 10:00–10:50 (418)

Chairperson: Fukushima Medical University Takahiro Kato

PEL1. Dose rate effects on yields of water radiolysis species: Towards the elucidation of the mechanisms of FLASH radiotherapy from a radiation chemistry point of view

QST Tamon Kusumoto

Educational Lecture 2

April 17 (Fri.) 8:00–8:50 (418)

Chairperson: Kyushu University Hidetaka Arimura

PEL2. Diagnosis and treatment assistance AI development using vision foundation model

Nagoya University Masahiro Oda

Educational Lecture 3

April 18 (Sat.) 8:00–8:50 (418)

Chairperson: Teikyo University Jun'ichi Kotoku

PEL3. Integrating quantum imaging into nuclear medicine

The University of Tokyo Kenji Shimazoe

Educational Lecture 4

April 18 (Sat.) 9:00–9:50 (418)

Chairperson: Kyoto University Hospital Takanori Adachi

PEL4. Current status and future development of medical isotope production using research reactors

PEL4-1.

Japan Atomic Energy Agency Hideki Nagadomi

PEL4-2.

Japan Atomic Energy Agency Shigetaka Maeda

Educational Lecture 5

April 19 (Sun.) 8:00–8:50 (418)

Chairperson: Jikei University of Health Care Sciences Shinji Tsudou

PEL5. Fault recovery in external beam radiation therapy: Explanation of AAPM TG-314 and practices at a high-volume center

National Cancer Center Hospital Hiroyuki Okamoto

PCP3-3. Beyond talking to taking action: Knowledge acquisition and professional growth for peers and young professionals from a clinical perspective

National Cancer Center Hospital East Hidenobu Tachibana

PCP3-4. From a university professor's perspective: The essential knowledge and ways of self-level up that my peers and younger generations should acquire.

The University of Osaka Teiji Nishio

Interdisciplinary Communication Committee Program: JSMP-JSMBE Joint Session

April 18 (Sat.) 12:00–13:00 (418)

Chairperson: Niigata University Yoshinobu Maeda
QST Shigekazu Fukuda

PJP-1. Digital twins of motor control and motor symptoms: towards realization of in silico neurology

Kyoto University Taishin Nomura

PJP-2. Panel discussion

Hokkaido University Naoki Miyamoto

JSMP Special Lecture

April 17 (Fri.) 12:00–12:50 (418)

Chairperson: Gunma Prefectural College of Health Sciences Kenta Takada
QST Taku Inaniwa

PSL1. Proposal for a fundamental formulation of radiobiological effects

University of Tsukuba Takeji Sakae

JSMP Special Session 1

April 17 (Fri.) 13:00–14:30 (418)

Why RBE matters now?

Chairperson: University of Tsukuba Takeji Sakae
The University of Osaka Tatsuaki Kanai

PSP1-1. Understanding RBE and OER through radiation chemistry and biology

QST Ryoichi Hirayama

PSP1-2. Fundamentals of microdosimetry: Difference between LET, y, and z

Japan Atomic Energy Agency Tatsuhiko Sato

PSP1-3. Biological effect models considering radiation quality of particle beam therapy

B dot Medical Inc. Yuki Kase

PSP1-4. Clinical RBE model for multi-ion therapy

QST Taku Inaniwa

JSMP Special Session 2

April 17 (Fri.) 14:40–15:50 (418)

The state of the art in boron neutron capture therapy

Chairperson: University of Tsukuba Hiroaki Kumada

PSP2-1. History of BNCT and general overview of reactor-based BNCT

Institute for Integrated Radiation and Nuclear Science, Kyoto University Yoshinori Sakurai

PSP2-2. Realization and development of accelerator-based BNCT in Japan: a world-leading approach

Institute for Integrated Radiation and Nuclear Science, Kyoto University Hiroki Tanaka

PSP2-3. Medical physics development of accelerator-based BNCT and perspectives on its clinical application

Osaka Medical and Pharmaceutical University Naonori Hu

JSMP Special Session 3

April 18 (Sat.) 15:10–17:00 (418)

Chairperson: Young Researchers' Association of Medical Physics Koki Kasamatsu

Tomohiro Ohta

Shuta Ogawa

Madoka Sakai

Misato Kishi

Masato Nishitani

Ryota Tozuka

PSP3. The 4th next generation discussion for young researchers in medical physics

JSMP Board of Directors

April 16 (Thu.) 11:00–15:00 (422)

JSMP Member Meeting

April 17 (Fri.) 17:00–18:30 (418)

JSMP Award Ceremony

April 19 (Sun.) 10:00–10:30 (418)