March 11 – 14, 2027
9th Theranostics World Congress
Osaka, Japan

THURSDAY, MARCH 11, 2027

TWC 2027 – Preliminary Scientific Program (last updated October 30, 2026)

Pre-Congress
University of Osaka Campus

THU | 08:45 | Bus Departure
OICC → University of Osaka Campus

THU | 09:30–11:45 | Astatine Symposium

- ***GLOBAL PRODUCTION OF At-211 AND INTRODUCTION OF WORLD ASTATINE COMMUNITY***
  Jean-François Gestin (France)
- ***At-211 PRODUCTION AND NETWORK IN JAPAN***
  Takashi Nakano (Japan)
- ***DEVELOPMENT OF TAT USING At-211 IN DUKE UNIV AND CHINA***
  Yutian Feng (USA)
- ***PRECLINICAL DEVELOPMENT IN JAPAN***
  Mikako Ogawa (Japan)
- ***GMP PRODUCTION OF At-DRUGS FOR CLINICAL TRIAL***
  Sadahiro Naka (Japan)
- ***CLINICAL TRANSLATION IN OSAKA: [At-211]NaAt AND [At-211]PSMA-5***
  Tadashi Watabe (Japan)
- ***CLINICAL TRIAL IN FUKUSHIMA: [At-211]MABG***
  Toru Shiga (Japan)

THU | 11:45–13:00 | Lunch Break

THU | 13:00–15:00 | Tour of the Astatine-211 Production Facility

THU | 15:30 | Bus Return
University of Osaka Campus → OICC

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Pre-Congress
Osaka International Convention Center (OICC)

THU | 09:00–12:00 | AI Symposium
Moderators: tbd.

- ***BASICS OF AI***
  Kenji Hirata (Japan)
- ***BASICS OF MOLECULAR IMAGING AND THERANOSTICS***
  Jens Kurth (Germany)
- ***AI IN MOLECULAR IMAGING***
  Lalith Shiyam Kumar Sundar (Germany)
- ***AI IN THERANOSTICS***
  Carlos Uribe (Canada)
- ***AI IN RADIOCHEMISTRY***
  Peter Scott (USA)
- ***FUTURE PERSPECTIVES***
  Tylor Bradshaw (USA)

THU | 12:00–13:00 | Lunch Break

THU | 13:00–14:30 | Dosimetry Workshop
Moderators: Kenta Miwa (Japan), Ivo Rausch (Austria)

- ***SETTING THE STAGE FOR THERANOSTICS – A CLINICAL PERSPECTIVE***
  Wouter Vogel (The Netherlands)
- ***SETTING THE STAGE FOR THERANOSTICS – A PHYSICIST'S PERSPECTIVE***
  Ivo Rausch (Austria)
- ***VIABLE DOSIMETRY WORKFLOWS***
  Gerhard Glatting (Germany)
- ***DOSE EFFECTS AND DOSE CONSTRAINTS***
  Lidia Strigari (Italy)

THU | 14:30–15:00 | Coffee Break

THURSDAY, MARCH 11, 2027

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Osaka International Convention Center (OICC)

THU | 15:00–16:00 | WARMTH / ICPO Session
Program details to follow

THU | 16:00–16:10 | Opening Ceremony
Program details to follow

THU | 16:10–16:50 | Keynote Lecture

- ***IMMUNOGENOMIC CANCER EVOLUTION: A FRAMEWORK OF IMMUNOSUPPRESSIVE MECHANISMS IN THE TUMOR MICROENVIRONMENT***
  Hiroyoshi Nishikawa (Japan)

THU | 17:00–17:45 | Patient Session
HOSTED BY International Centers for Precision Oncology Foundation (ICPO) & Oncidium Foundation
Program details to follow

March 11 – 14, 2027

9th Theranostics World Congress

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FRIDAY, MARCH 12, 2027

Venue: Osaka International Convention Center (OICC)

FRI | 08:30–10:00 | Radioisotopes

Chairs: *Jean-François Gestin (France), Valery Radchenkov (Canada)*

- ***At-211 PRODUCTION AND SPECIES ANALYTICS***
  Bernd Neumeier (Germany)
- ***DIAGNOSTICS FOR THERANOSTICS – IMAGING IN THE F-BLOCK***
  Suzy Lapi (USA)
- ***THE SUPPLY SIDE OF THERANOSTICS: ISOTOPE PRODUCTION CHALLENGES AND INNOVATIONS***
  Tara Mastren (USA)
- ***ADVANCES IN Pb-212 RADIOPHARMACEUTICALS***
  Paul Lyne (USA)

FRI | 10:00–10:30 | Coffee Break · Visit the Exhibition

FRI | 10:30–12:00 | Instrumentation and Quantification

Chairs: *Thomas Beyer (Austria), Taiga Yamaya (Japan)*

- ***8 YEARS OF TOTAL-BODY PET EXPERIENCE AND FUTURE PERSPECTIVES***
  Hongcheng Shi (China)
- ***QUANTITATIVE PET, PET/CT AND PET/MRI***
  Ivo Rausch (Austria)
- ***IMAGING CHALLENGES IN ALPHA-EMITTER DOSIMETRY***
  Tobias Rydén (Sweden)
- ***PHARMACOKINETIC MODELLING AND THERANOSTICS***
  Gerhard Glatting (Germany)

FRI | 12:00–12:30 | Lunch · Visit the Exhibition

FRI | 12:30–13:30 | Industry Session 1

FRI | 13:30–14:30 | Industry Session 2

FRI | 14:30–15:00 | Coffee Break · Visit the Exhibition

FRI | 15:00–16:30 | CXCR4, CAIX and Other Targets

March 11 – 14, 2027

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Venue: Osaka International Convention Center (OICC)

Chairs: *Andrei Iagaru (USA), Klemens Scheidhauer (Germany)*

- ***TARGETING CXCR4 FOR MOLECULAR IMAGING AND THERANOSTICS***
  Rudolf A. Werner (Germany)
- ***CAIX PET/CT IMAGING AND THERANOSTICS***
  Michael Hofman (Australia)
- ***CD46-TARGETED THERANOSTICS FOR IMAGING AND TREATMENT OF PROSTATE CANCER***
  Robert Flavell (USA)
- ***CD38-TARGETING IMAGING AND THERAPY FOR MYELOMA***
  Gary Ulaner (USA)
- ***PEDIATRIC THERANOSTICS: CURRENT PRACTICE AND FUTURE DIRECTIONS***
  Helen Nadel (USA)

FRI | 16:30–18:00 | NET and Other Solid Tumors

Chairs: *Yuji Nakamoto (Japan), Lisa Bodei (USA)*

- ***Ga-68 DATA-LM4 ANTAGONIST: CONCEPT AND CLINICAL PERFORMANCE***
  Lukas Greifenstein (Germany)
- ***SSTR-ANTAGONIST Tb-161-DOTA-LM3***
  Julia Fricke (Switzerland)
- ***ALPHA-Emiting ANTAGONIST: Ac-225-LM3***
  Elisabetta Perrone (Germany)
- ***Pb-212-DOTAMTATE***
  Ebrahim S. Delpassand
- ***INTRAARTERIAL PRRT: MENINGIOMA***
  Constantin Lapa (Germany)

FRI | 18:00–19:00 | Poster Session 1

Venue: Exhibition Hall, 3F

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SATURDAY, MARCH 13, 2027

Venue: Osaka International Convention Center (OICC)

SAT | 08:00–09:00 | Basic and Translational Research

Chairs: *Yasushi Kiyono (Japan), Matthias Miederer (Germany)*

- ***DEVELOPMENT OF NEW TARGETED ALPHA THERAPEUTIC AGENTS***
  Masahiro Ono (Japan)
- ***RADIOBIOLOGY INCLUDING PRECLINICAL STUDIES***
  Jean-Pierre Pouget (France)
- ***At-211 CHEMISTRY/RADIOPHARMACEUTICALS***
  Michael R. Zalutsky (USA)

SAT | 9:00–9:30 | Coffee Break · Visit the Exhibition

SAT | 09:30–11:00 | New Trends in Radiochemistry

Chairs: *Vasco Kramer (Chile), Jens Cardinale (Germany)*

- ***AI-DRIVEN DE NOVO DESIGN OF THERANOSTIC RADIOPHARMACEUTICALS***
  Benjamin Larimer (USA)
- ***CHEMISTRY TOOLBOX FOR IMPROVING RADIOTHERANOSTICS***
  Zhibo Liu (China)
- ***NEW DIRECTIONS IN At-211 CHEMISTRY***
  Jay Wright (USA)
- ***DIMERIC ketoFAPIs: BINDING KINETICS, BIODISTRIBUTION AND THERAPEUTIC EFFICACY IN A MURINE CANCER MODEL***
  Pieter van der Veeken (Belgium)
- ***HALOGENATED FAPi DERIVATIVES FOR RADIOTHERANOSTICS: FROM IODINE TO ASTATINE***
  Matthias Herth (Denmark)

SAT | 11:00–12:30 | Prostate Cancer: Lu-177-PSMA and Beyond

Chairs: *Hossein Jadvar (USA), Kambiz Rahbar (Germany)*

- ***NEW TRENDS IN PSMA THERANOSTICS (OVERVIEW)***
  Thomas Hope (USA)
- ***Tb-161-PSMA RADIOLIGAND THERAPY***
  Akram Al-Ibraheem (Jordan)
- ***At-211-PSMA-5: RESULTS FROM INVESTIGATOR-INITIATED ALPHA-PS1 TRIAL***
  Tadashi Watabe (Japan)
- ***Pb-212-PSMA: ADAPTIVE DOSING IN PROSTATE CANCER – LEARNINGS FROM THE TheraPb PHASE 2 STUDY***
  Anna Karmann (USA)
- ***ACP3: NEW PROMISING TARGET FOR PROSTATE CANCER***
  Philipp Backhaus (Germany)

SAT | 12:30–13:00 | Lunch · Visit the Exhibition

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SATURDAY, MARCH 13, 2027

Venue: Osaka International Convention Center (OICC)

SAT | 13:00–14:00 | Industry Session 3

SAT | 14:00–15:00 | Industry Session 4

SAT | 15:00–15:30 | Coffee Break · Visit the Exhibition

SAT | 15:30–17:00 | TME and FAP: Toward Another Innovation

Chairs: *Frederik Giesel (Germany), Jae Min Jeong (South Korea)*

- ***FAP-TARGETED RADIOPHARMACEUTICALS***
  John W. Babich (USA)
- ***FAPI PET/CT IN GASTRIC CANCER AND FUTURE PERSPECTIVE FOR FAP THERANOSTICS***
  Varun Shukla (India)
- ***CTR-FAPI PET HELPS TO IDENTIFY AND REMOVE LESIONS OF MEDULLARY THYROID CANCER***
  Zhu Li (China)
- ***DOTAGA-BASED FAPI HOMODIMERS WITH ENHANCED TUMOR RETENTION: IMAGING AND FRACTIONATED RADIONUCLIDE THERAPY***
  Eleni Gourni (Switzerland)
- ***FAP-TARGETED THERAPY IN SARCOMA***
  Ilektra-Antonia Mavroeidi (Germany)

SAT | 17:00–18:00 | Radiomolecular Theranostics and Clinical Precision Medicine

Chairs: *Kenta Miwa (Japan), Wouter Vogel (The Netherlands)*

- ***DOSIMETRY FOR ALPHA EMITTERS***
  Komo Ramonaheng (South Africa)
- ***MAKING PERSONALIZED DOSIMETRY FOR Lu-177-PSMA PRACTICAL***
  Yuni Derawaja (USA)
- ***CURRENT STATUS AND FUTURE PERSPECTIVE OF DOSIMETRY FROM A PHYSICIAN'S POINT OF VIEW***
  Désirée Deandreis (France)

SAT | 18:00–19:00 | Poster Session 2

Venue: Exhibition Hall, 3F

March 11 – 14, 2027

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SUNDAY, MARCH 14, 2027

Venue: Osaka International Convention Center (OICC)

SUN | 08:30–10:00 | Combination Therapy: Landscape and Outlook

Chairs: *Oliver Sartor (USA), Sze Ting Lee (Australia)*

- ***RLT FROM STANDALONE TREATMENT TO COMBINATION STRATEGIES: AN OVERVIEW***
  Matthias Eiber (Germany)
- ***LUNAR TRIAL: ADDITION OF Lu-177-PSMA TO SBRT***
  Jeremie Calais (USA)
- ***COMBINATION OF PSMA-RLT AND ARPI***
  Louise Emmett (Australia)
- ***COMBINATION OF RADIOLIGAND THERAPY WITH IMMUNOTHERAPY***
  Zachary Morris (USA)
- ***SALIVARY GLAND PROTECTION***
  Jörg Müller (Germany)

SUN | 10:00–11:30 | New Theranostic Targets

Chairs: *Akram Al-Ibraheem (Jordan), Elba Etchebehere (Brazil)*

- ***EMERGING TARGETS IN THERANOSTICS: WHERE DO WE GO NEXT?***
  Andrew M. Scott (Australia)
- ***NECTIN-4 AS AN EMERGING THERANOSTICS TARGET***
  Mike Sathekge (South Africa)
- ***DLL3-TARGETED THERANOSTICS: ADVANCING PRECISION IMAGING AND THERAPY***
  Salomon Tendler (USA)
- ***EphA2: A NEW FRONTIER IN PRECISION THERANOSTICS***
  Ann-Christin Eder (Germany)
- ***HER2-TARGETED THERANOSTICS: BEYOND IMAGING***
  Yi Zhang (China)

SUN | 11:30–12:15 | Coffee Break Incl. Lunch · Visit the Exhibition

SUN | 12:15–13:15 | Industry Session 5

SUN | 13:15–14:15 | Industry Session 6

SUN | 14:15–14:45 | Coffee / Snacks · Visit the Exhibition

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Venue: Osaka International Convention Center (OICC)

SUN | 14:45–16:15 | Future of Theranostics

Chairs: *Seigo Kinuya (Japan), Elcin Zan (USA)*

- ***FUTURE PERSPECTIVE ON ISOTOPE SUPPLY***
  Valery Radchenkov (Canada)
- ***THERANOSTICS BEYOND TARGETING: MODULATING TUMOR BIOLOGY TO IMPROVE EFFICACY***
  Patricia Ribeiro Pereira (USA)
- ***DISEASE INTERCEPTION (DI) – IN VITRO MEETS IN VIVO***
  Ralph Wirtz (Germany)
- ***EXPANDING THE THERANOSTIC TARGET LANDSCAPE: TROP2, DLL3 AND PD-L1***
  Haojun Chen (China)
- ***THE FUTURE OF THERANOSTICS: HOW AI WILL RESHAPE THE FIELD***
  Munir Ghesani (USA)

SUN | 16:15–16:45 | Award and Closing Ceremony

Program details to follow