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About ANSTO

Australia's Nuclear Science and Technology Organisation, (ANSTO) is the home of Australia's most significant landmark and national infrastructure for research. Thousands of scientists from industry and academia benefit from gaining access to state-of-the-art instruments every year.

In April 15 1953, Australia entered the nuclear science arena, when the Atomic Energy Act came into effect. The Australian Atomic Energy Commission (AAEC) followed and in 1987 the AAEC evolved into the Australian Nuclear Science and Technology Organisation (ANSTO) as it's known today.

ANSTO leverages great science to deliver big outcomes. We partner with scientists and engineers and apply new technologies to provide real-world benefits. Our work improves human health, saves lives, builds our industries and protects the environment.

To find solutions ANSTO operates much of Australia's landmark infrastructure including one of the world's most modern nuclear research reactors, OPAL; a comprehensive suite of neutron beam instruments at the Australian Centre for Neutron Scattering; the Australian Synchrotron; the National Imaging Facility Research Cyclotron; and the Centre for Accelerator Science.

Code of Conduct

Recording, taking photography, or screenshots of the lectures without the explicit permission from the individual delivering them is not permitted.

All participants should treat each other with respect and consideration.

Personal attacks directed toward other participants, harassment, intimidation, or discrimination in any form will not be tolerated. Disruption of oral presentations will also not be tolerated.

Examples of unacceptable conduct include, but are not limited to:

- * verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion, national origin,
- * inappropriate use of nudity and/or sexual images in online meetings or in presentations
- * threatening or stalking any participant.

Consequences for Violating the Code of Conduct

Anyone requested to cease unacceptable behaviour will be expected to comply immediately. The organisers may take any action deemed necessary and appropriate, including immediate removal from the training. The RTC organisers may also prohibit attendance by anyone violating this code of conduct at any future training, meetings or events.

Reporting Violations of the Code of Conduct

If you are the subject of unacceptable behaviour or have witnessed any such behaviour, please immediately notify us. This can be done by writing to niceevents@ansto.gov.au.

Training area @ nandin

Training on Monday, Tuesday, Wednesday and Friday will be held in **building 72** nandin Innovation Centre.



Tour departure point @ Discovery Centre

The Discovery Centre is the meeting point to undertake the tour of ANSTO on Thursday. After the tour, lunch will be held at the Discovery Centre with some ANSTO staff joining providing an opportunity to ask questions raised from the tour. The tour to the Royal North Shore Hospital will depart from this location.







Chair: Tien Pham

| Time | Description | Speaker |
|-------|---|--------------------------|
| 7:45 | Meet at Rydges Hotel Reception | |
| 8:30 | ANSTO Reception | |
| | Security Briefing | Security |
| | Bus to nandin | |
| | Welcome, safety, housekeeping and Acknowledgement of country | Tien Pham: ANSTO |
| | Opening remarks | Natascha Spark: ANSTO |
| | IAEA ANSTO Support - Program Design Logic for RTC | Natascha Spark: ANSTO |
| | Self introduction of participants (name back ground) | Participants |
| | Group photo | |
| 10:30 | Break | |
| 11:00 | ANSTO Research & Capabilities | |
| | ANSTO NST Biosciences | John Bennett: ANSTO |
| | ANSTO NST Human Health | Ryan Middleton: ANSTO |
| | ANSTO Nuclear medicine | Abdul Fneiche: ANSTO |
| | Overview of 5 day course | Tien Pham: ANSTO |
| 12:30 | Lunch | |
| 13:30 | Country reports - 10 mins presentation | |
| 14:40 | Break | |
| 15:00 | Country reports - 10 mins presentation | |
| 15.00 | , , | |
| 15.00 | Q & A and course discussion | |





| Time | Description | Speaker |
|----------------|---|---|
| 9:00 | Preclinical Radiochemsitry I | Chair: Giancarlo Pascali |
| | C11 Radiochemistry Overview and Experience | Lawson Spare: ANSTO |
| | Radiometal chemistry 1 - Development of Radiochemistry and Formulation | Ashley Walker : ANSTO |
| | Radiometal chemistry 2 - Translation to Modules | Andrew Hall : ANSTO |
| 10:15 | Break | |
| 10:45 | Preclinical Radiochemsitry II | Chair: Ashley Walker |
| | F18 Radiochemistry Overview and Experience | Giancarlo Pascali: ANSTO |
| | Quality control testing of radiotracers for preclinical applications - equipment and considerations | John Doan : Prince of Wales Hospital |
| | Quality control challenges and practical considerations in development | Joe loppolo : University of WA |
| 12:00 | Lunch | |
| | | Michael Tran - |
| 13:00 | Site vist - Commercial Cyclotron Production and Qualtiy Control at Cyclotek | Production & Jana Delamont - Assurance |
| 13:00 14:15 | | Jana Delamont - |
| | Qualtiy Control at Cyclotek | Jana Delamont - |
| 14:15 | Qualtiy Control at Cyclotek Break Radiopharmaceutical Preclincial Data | Jana Delamont - Assurance Chair: |
| 14:15 | Qualtiy Control at Cyclotek Break Radiopharmaceutical Preclincial Data (Data for Investigators Brochure) | Jana Delamont - Assurance Chair: Dave Zahra |
| 14:15 | Radiopharmaceutical Preclincial Data (Data for Investigators Brochure) Preclinical Evaluation, Pharmacology In vivo Preclinical Imaging Evaluation of | Jana Delamont - Assurance Chair: Dave Zahra Paul Callaghan: ANSTO |
| 14:15 | Radiopharmaceutical Preclincial Data (Data for Investigators Brochure) Preclinical Evaluation, Pharmacology In vivo Preclinical Imaging Evaluation of Radiopharmaceuticals | Jana Delamont - Assurance Chair: Dave Zahra Paul Callaghan : ANSTO Kelly Smart : ANSTO Mitra Safavi-Naeini: |





| Time | Description | Speaker |
|----------------|---|--|
| 9:00 | Radiopharmaceuticals in Asia Pacific | Chair: Tien Pham |
| | An Overview of Translation of Radiopharamceuticals in Australia | Andrew Scott: Olivia Newton John Cancer Research Institute |
| | At-211 Bench to Bedside, Stories from Japan | Koshin Washiyama: Fukishima Medical University (FMU) |
| | KIRAMS Experiences of RI Research & its Cooperation | Kyo-Chul Lee: Korea Institute of Radiological and Medical Sciences (KIRAMS) |
| | | |
| 10:15 | Break | |
| 10:15 10:45 | Break Technology Supporting Radiopharmaceutical Development | Chair: Andrew Hall |
| | Technology Supporting | |
| | Technology Supporting Radiopharmaceutical Development Solid Target Produced Radioisotopes: Theory | Andrew Hall Harris Panopoulous: |
| | Technology Supporting Radiopharmaceutical Development Solid Target Produced Radioisotopes: Theory and Practice | Harris Panopoulous: Austin Hospital Stan Poniger: |

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| Time | Description | Speaker |
|-------|---|---|
| 13:00 | Technology Supporting Radiopharmaceutical Development | Chair: Andrew Hall |
| | Cyclotron Production of Ga-68 | Dr Andrew Katsifis: Royal Prince Alfred Hospital |
| | An Overview of the Total Body PET | Steve Meikle: University of Sydney |
| 13:50 | Preclinical Radiopharmaceuticals to the Clinic | Chair: Kelly Smart |
| | Introducing Radiopharmaceuticals to the clinic process and validation | Melissa Latter: Royal Brisbane Womens Hospital |
| | Introducing a New Theranostic into the Clinic | Dale Bailey: Royal North Shore Hospital |
| 14:40 | Break | |
| 15:10 | Translation case studies | Chair: Kelly Smart |
| | Translation of Radiopharmaceuticals, Pitfalls & Practical Experience | Andrew Katsifis: Royal Prince Alfred Hospital |
| | Translation of F18 Radiopharmaceuticals | Maggie Aulsebrook: Monash University |
| | Development of 18F - Oxytocin | Giancarlo Pascali: ANSTO |
| 16:30 | Close | |



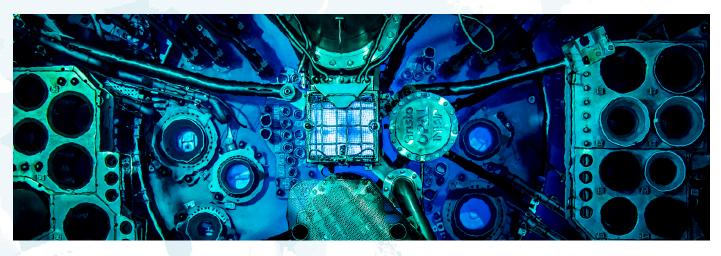


Tour of ANSTO from Discovery Centre

With over 350 scientists and researchers, ANSTO is home to some of Australia's most critical scientific infrastructure. This tour will be an exciting journey into the world at the sub-atomic scale, explaining how through applying our knowledge of the basic building blocks of our universe, scientists are helping solve the big issues surrounding health, climate change and innovation for industry. The tour will commence at 9am from the Discovery Centre and includes four locations:

- 1. OPAL Research Reactor
- 2. Australian Centre for Neutron Scattering
- 3. ANSTO Nuclear Medicine
- 4. Centre for Accelerator Science

Lunch will be held after the tour in the Discovery Centre with some ANSTO staff members.



Tour of Royal North Shore Hospital

The tour will see the group split into two and will include:

- A) Satellite radiochemistry labs that produce clinical radiopharmaceuticals by importing isotopes from cyclotrons
- B) Tour of the total body PET a game changing technology to evaluate radiopharmaceuticals

18:00 Event Dinner at The Pines Cronullala

Dinner this evening will be hosted by Tien Pham at The Pines Cronulla. The restaurant is a short stroll towards the beach, across the road from the hotel. Please arrive by 6pm. There will be canapes and drinks initially enabling mingling and discussion and then we will be seated for mains.





| Time | Description | Speaker |
|--------------|--|--|
| 9:00 | Quiz | Chair: Tien Pham |
| 9:00 9:45 | ANSTO Group Executive Farewell to Participants Group Activity | Pamela Naidoo- Ameglio Carol Azzam Mckay |
| 11:30 | Course evaluation | |
| 11:45 | Closing remarks | The second second |
| 12:00 | Lunch | |
| 13:00 | Bus back to Rydges hotel | |