

National Imaging Facility Annual Scientific Meeting 2025

Scientific Symposium program, Thursday 7 August, Adelaide

Thursday 7 August: NIF Scientific Symposium | Riverbank Rooms 7 & 8, Adelaide Convention Centre

	Name	Affiliation	Topic
08:45	Prof Margaret Harding	National Imaging Facility	Welcome
08:50	Prof Wojtek Goscinski	National Imaging Facility	Introduction to National Imaging Facility 2025 and Beyond
	Session 1: Preclinical Imaging and Beyond		Chair: Dr Edward Robins
09:00	Prof Benjamin Thierry	University of South Australia	FerroTrace: A Nanoparticle Platform for Precision Surgery and Radiotherapy
09:15	A/Prof Claire Jones	University of Adelaide	Imaging applications in pre-clinical models of neurotrauma
09:30	Prof Janna Morrison	University of South Australia	Seeing the Fetus: MRI of Fetal Development and Lifelong Disease using Large Animal Models
09:45	Dr Zhipeng Cao	ONJCRI/La Trobe University	Efficacy of ¹⁷⁷ Lu-Based Radioimmunotherapy in Preclinical Models of Prostate and Renal Cell Carcinoma
10:00	Dr Maggie Aulsebrook	Monash University	From Bond to Bedside: MHELTHERA-Driven Relay Agents Accelerating a New Era in Theranostics
10:15	Panel discussion		
10:35	Networking break Morning tea		
	Session 2: Imaging Techniques Showcase		Chair: Prof Paul Parizel
11:05	Ms Angela Walls	SAHMRI	Experiences With Imaging at High Gradients – a Technologist's Perspective

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11:20	A/Prof Martin Donnelley	University of Adelaide	Lung Function Imaging and Analysis Using 4dmedical's XV And Permetium Scanners
11:35	A/Prof Lyndsey Collins-Praino	University of Adelaide	Traumatic brain injuries under the scope and in the scanner: Predictors of functional outcomes post-injury
11:50	Prof Pete Thelwall	Newcastle University, UK	Multinuclear MRI in Clinical Research
12:05	Dr Naomi Wattchow	SAHMRI	Experience of a Clinician Researcher Using PCCT for Serial Coronary Plaque Imaging
12:20	Panel discussion		
12:40	Networking break Lunch and Poster session		
	Session 3: Imaging Data and Digital Infrastructure		Chair: Prof Leigh Johnston
13:40	Dr Adam O'Connell	SAHMRI	Overview of SAHMRI
13:55	Dr Ryan Sullivan	University of Sydney	Consistent Imaging Digital Infrastructure Across NIF and Beyond
14:10	Dr Steffen Bollmann	University of Queensland	A Flexible Scalable and Reproducible Environment for Imaging Analysis
14:25	A/Prof Zongyuan Ge	Monash University	Imaging AI models in Neurology
14:40	A/Prof Johan Verjans	University of Adelaide	Translational Research at the Interface of AI, Imaging and Medical Practice
14:55	Panel discussion		
15:15	Networking break Afternoon tea		
	Session 4: Imaging Power Pitch		Chairs: Dr Heidi Espedal and Dr Miao Cao
15:50	Dr Heidi Espedal Dr Miao Cao	University of Western Australia Swinburne University	Session Introduction

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15:55	Mr Benjamin Edwards	SAHMRI	First time [⁶⁸ Ga]Ga-Macroaggregated Albumin Lung Perfusion PET/CT Imaging in Large Animal Sheep Model
16:00	Dr Benjamin Blyth	Peter MacCallum Cancer Centre	X-Ray Vision: Imaging Opportunities on a Pre-Clinical CT-Guided Radiotherapy Platform
16:05	Mr Steven Chow	Monash University	The Effect of TI Selection on Deep Learning Models for T1 Mapping
16:10	Dr Arkiev D'Souza	University of Sydney	Accessible automated anatomical MRI processing: leveraging AIS infrastructure to enable research at scale
16:15	Ms Ting-Yu Lin	Monash University	Validation of Synthetic Imaging Data for Assessing Fat in the Liver using AI
16:20	Ms Vicky He	The Florey	Prewhitening in Time Series Extraction is Deleterious for PPI Analysis
16:25	Dr Jennifer Rumbel	University of Newcastle	Deadly Images: Two ways of seeing
16:30	Dr Michael Green	NeuRA/ UNSW	Integrating Diffusion and EPT Imaging to Explore Brain Electrical and White Matter Changes
16:35	Dr Kh Tohidul Islam	Monash University	Volumetric Brain Measurements in Enhanced Ultra-Low-Field MRI: A Comparative Study Using Deep Learning Models
16:40	Dr Robert Smith	The Florey	Unbiased Tractogram Optimisation for Robust Estimation of Longitudinal Changes in Structural Connectivity
16:45	Scoring Gap		
16:50	Awards and Closing Remarks		
17:00	Networking Drinks		
18:00	END		