





# 2025 AOA QLD TRIFECTA EVENT Provisional Program

4 & 5 April 2025 | Queensland University of Technology, Brisbane

aoa.org.au/events



## Welcome

# Keynote Speakers



The Australian Orthopaedic Association (AOA) is the peak professional body for orthopaedic surgeons in Australia.

AOA provides high-quality specialist education, training and continuing professional development.

AOA is committed to ensuring the highest possible standard of orthopaedic care and is the leading authority in the provision of orthopaedic information to the community.

AOA actively supports scientific research and orthopaedic humanitarian initiatives in Australia and overseas.



ORTHOPAEDIC ASSOCIATION We are excited to welcome you to the 2025 AOA QLD Trifecta Event to be held at QUT in Brisbane, QLD.

**Date** 4 & 5 April 2025

Venue Owen J Wordsworth Room, Level 12, S Block, Gardens Point Road,

Gardens Point Campus, Queensland University of

Technology (QUT), Brisbane

The 2025 trifecta event program will feature:

- ♦ **QDOG PHO Development Day** (Friday morning) an event packed with workforce and career insights, clinical pearls, doctor wellbeing and research highlights
- ♦ AOA Registrar Papers Day (Friday afternoon) quality research papers from selected abstracts followed by...
- a captivating **social networking event** with a special presentation from
- **♦** Orthopaedic Outreach Director, Paul Pincus
- ♦ QORF Collaborative MSK Research Meeting (Saturday morning) Theme: 'The future of MSK trauma research' with

sessions highlighting MSK Injuries and Rehabilitation, Technology in Trauma Care, and Trauma Prevalence and Prevention, including selected presentations from across the MSK research community in Queensland.

We look forward to seeing you all there!

QORFCC Co-convenors: Ross Crawford and Nadine Forster QDOG PHO Development Session Convenor: David Bade AOA Registrar Papers Session Convenor: Michael Lutz Michele Sterling is Professor in the RECOVER Injury Centre and Director of the NHMRC Centre of Research Excellence:

Better Health Outcomes for Compensable Injury, The University of Queensland, Australia. She is a NHMRC Leadership (L2) Fellow and a Fellow of the Australian College of Physiotherapists. Michele's research focusses on the mechanisms underlying the development of chronic pain injury, predictive algorithms for outcomes and developing effective interventions for musculoskeletal injury and pain. She has over 300 peer-reviewed publications in

this area and received >\$40M in funding from the NHMRC, MRFF and industry partners. Michele is a Section Editor of Pain, was chair of the Scientific Program Committee for the World Congress on Pain in Amsterdam, 2024, and sits on the Executive Committee as Secretary of the International Association for the Study of Pain.

Claudio Pizzolato is a research leader within the Australian Centre of Precision Health and Technology (PRECISE), and an Associate Professor in the School of Health Science and Social Work, Griffith University. Claudio's research focuses on developing simulation of the human nervous, muscular, and skeletal systems and their interaction, with applications to neuro and musculoskeletal rehabilitation.

Greg Couzens is an accomplished orthopaedic surgeon, researcher, and educator, with extensive expertise in hand and upper limb surgery. He holds a medical degree from the University of Queensland, an Orthopaedic Fellowship from the Royal Australian College of Surgeons, and a PhD in wrist biomechanics, awarded by the Queensland University of Technology (QUT). In his clinical practice, Professor Couzens has been based at the Brisbane Hand and Upper Limb Clinic for over 25 years, where he works alongside a team of specialists. Additionally, he holds a teaching and supervisory

role at the Princess Alexandra Hospital, contributing to the education of medical professionals and the next generation of surgeons. A passionate researcher, Professor Couzens is an Adjunct Professor at QUT, where his current research focuses on the biomechanics of falls, particularly those that result in wrist injuries. He is also a co-director of the Brisbane Hand and Upper Limb Research Institute, an organization dedicated to conducting clinical studies in collaboration with his colleagues in the clinic. Professor Couzens is the co-founder of a leading medical device company that supplies innovative solutions to healthcare providers both in Australia and internationally.

**Kirsten Vallmuur** is the Chair of Trauma Surveillance and Data Analytics (funded by the Motor Accident Insurance Commission)

in a joint position between the Australian Centre for Health Services Innovation (www.aushsi.org.au) and the Jamieson Trauma Institute (https://metronorth.health.qld.gov.au/jamieson-trauma-institute). She leads the Jamieson Trauma Institute's Trauma Data Quality and Analytics team. She has expertise in the analysis and understanding of morbidity and mortality data, injury surveillance systems, trauma data linkage,

health classifications and injury classifications.

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# Friday 4 April 2025



ASSOCIATION

## QLD PHO Development Day and AOA Registrar Papers Day

QUT - Owen J Wordsworth Room, Level 12, S Block

### **QLD PHO DEVELOPMENT**

7:30am Registration desk opens

8.30am -1.30pm

8.30am Registration, tea and coffee

9.00am QDOG Welcome Vivek Shridhar
 9.05am AOA selection update Rohan Brunello
 9.25am Alternate career pathway - Radiology Rachele Quested
 9.45am Clinical session - NOF Pearls Joe Stevens

10.05am PHO survey results Will Talbot and David Bade

10.15am QDOG/QSSCN - PHO Workforce future directions

Vivek Shridhar and Mike Thomas

### 10.30am Morning Tea

| 11.00am Selection interview preparation and approach  | Brooke Bullock               |
|---|------------------------------|
| 11.20am PHO wellbeing and positive mindset            | David Bade and Nicky Hackett |
| 11.40am Financial Wellbeing for PHOs                  | Walshs                       |
| 12.00pm Alternate career pathway - GP                 | Josh Hatch                   |
| 12.20pm Clinical session - Trauma How to stay out and | Marcus Simonian and          |
| get out of trouble                                    | Paula Jeffries               |
| 12.40pm Q&A / open mic discussion                     | David Bade                   |
|   |                              |

### 1.20pm Lunch

2.05pm Practical PHO research Chris Carty

### **REGISTRAR FREE PAPER PRESENTATIONS**

2.30pm - 6.00pm

WELCOME COCKTAIL FUNCTION (including keynote presentation)

6.00pm - 8.30pm

### Friday Welcome Cocktail Function Keynote presentation Paul Pincus

We are delighted to welcome skipper Paul Pincus who will share his story behind Solace, the first time both skipper and yacht competed in the race to Hobart. Sailing to support the humanitarian efforts of Orthopaedic Outreach, Paul and his fellow AOA crewmates John Tuffley and Bill Donnelly raised roughly \$3000 for Outreach!

The crew arrived safely in Hobart on Sunday 29 December with an impressive time of three days, 21 hours, and 16 minutes (just inside the four-day prediction!), placing 44th in Line Honours.

This promises to be a fantastic evening of adventure on the high seas with Paul, places are limited so be sure you are registered to secure your spot.

# Friday 4 April 2025

Luke McGarry

## **AOA Registrar Free Paper Presentations**

QUT - Owen J Wordsworth Room, Level 12, S Block

### **REGISTRAR FREE PAPER PRESENTATIONS**

| 2.30 | pm - | 6.00 | pm |
|------|------|------|----|
|------|------|------|----|

| '      |  |                 |
|--------|--|-----------------|
| 2.30pm | The posterolateral approach to the ankle is a safe technique to address posterior malleolus fractures  | Rory Young      |
|        | A 5-year Retrospective Analysis of Shoulder Replacements at Metro North Health   | Yvana Toh       |
|        | Early Experience with Pelvic Ablation, Osteoplasty, Reinforcement and Internal Fixation for Metastatic Osteolytic Lesions                    | Anthony Truong  |
|        | DISCUSSION / Q&A   |                 |
| 3.00pm | Predictors of Secondary Meniscal Pathology Following Anterior Cruciate Ligament Reconstruction: A Single-Centre Cohort Study                 | Edward Yu       |
|        | The impact of knee alignment on tibial cartilage stress and kinematics following ACL reconstruction in paediatric patients: A finite element | Alexander Seeto |
|        | (FE) analysis  |                 |
|        | DISCUSSION / Q&A   |                 |
| 3.20pm | Chronic unstable SUFE in the Queensland Population   | Shefta Huda     |
|        | Risk factors for paediatric meniscal pathology concomitant to anterior cruciate ligament rupture   | Pushkar Khire   |
|        | DISCUSSION / Q&A   |                 |
| 3.40PM | Afternoon tea  |                 |
| 4.10pm | Orthopaedic Skills Training: Multi-Trajectory Targeted Drilling Simulation in SawBone Models   | Prince Singh    |

## Implementing 3D printed models of extremity limb fractures for teaching and primary treatment skills among Junior Medical Officers: a James Wheeler pilot study

Evaluation of Educational YouTube Videos for Fifth Metacarpal Neck Fracture Management

Daniel Brimm

### DISCUSSION / Q&A

| .40pm | An Observational Study on Post-Operative Hemoglobin Level in Patients Undergoing Total Hip Replacement with Fracture Neck of Femur | Kathit Ghimire |
|-------|--|----------------|
|       | with and Without Drain   |                |

Outcomes Following Periacetabular Osteotomy for Acetabular Dysplasia: A Retrospective Cohort Study

Helena Franco

### DISCUSSION / Q&A

Medial Buttress Plate Use in Neck of Femur Fracture Fixations: A Systematic Review

| 5.10pm | Financial Wellbeing - part 2   | Walshs       |
|--------|--|--------------|
| 5.20pm | Systematic review of the mid to long term effects and safety of Blood Flow Restriction Therapy | Geonhoo Park |

Spontaneous Resolution of an Osteochondral Defect Following Septic Arthritis

The impact of high fat diet and sex on carpal tunnel syndrome

Hayman Lui

DISCUSSION / Q&A



Metal-on-Metal component

# Saturday 5 April 2025

# Saturday 5 April 2025

## QORF Collaborative MSK Meeting "The future of musculoskeletal trauma research"

QUT - Owen J Wordsworth Room, Level 12, S Block

| 7.30am      | Registration open   |                                      |
|-------------|---|--------------------------------------|
| 7.55am      | Welcome - Acknowledgement of Country  | Professor Ross Crawford              |
| MSK Injurio | es and Rehabilitation - Moderated by Professor Nadine Foster  |                                      |
| 8.00am      | KEYNOTE: Compensable musculoskeletal injury and rehabilitation  | Professor Michele Sterling           |
| 8.20am      | Influencing outcomes whiplash: Utilising WhipPredict, value-based healthcare and stress-inoculation within a novel stratified, bundled-care program                           | Katie Mackenzie and<br>Nick Kendrick |
| 8.30am      | Evaluation of an occupational therapy-led rapid access service fast tracking patients from emergency direct to advanced hand therapy  | Kylie Bebel                          |
| 8.37am      | Skin inflammatory cytokine gene expression in chronic whiplash-associated disorder: a cross-sectional study   | Dr Scott Farrell                     |
| 8.44am      | Adenosine, Lidocaine and Magnesium (ALM) therapy augments joint tissue healing following early and delayed experimental anterior cruciate ligament rupture and reconstruction | Dr Jodie Morris                      |
| 8.51am      | TBA   |                                      |
| 9.01am      | Dual fixation of pubic symphysis diastasis injuries in pelvic trauma using a memory staple and plate fixation combination   | Dr Kazuhiko Udagawa                  |
| Queensland  | d Orthopaedic Rresearch Fund  |                                      |
| 9.11am      | Strengthening MSK Research: QLD MSK Network & 2025 QORF Grant Support   | Professor Peter Steadman             |
| QORF gran   | t recipient presentations - Moderated by Professor Peter Steadman   |                                      |
| 9.18am      | RIOT: Recycling in Orthopaedic Theatres   | Dr Susie Lee                         |
| 9.22am      | Reconstruction: A Neuromusculoskeletal - Finite Element Modeling Approach for Surgical Optimization   | Dr Ayda Karimi Dastgerdi             |
| 9.26am      | Comparison of intramedullary screw fixation verses dorsal plating for displaced extra-articular metacarpal fractures: A randomised control trial                              | Dr Luke McCarron                     |
| 9.30am      | Patient perception of modifiable risk factors prior to undergoing arthroplasty in Queensland  | Dr Parvati Dadwal                    |
| 9.34am      | Investigating Shoulder Pathology and Biceps Activity in an Older Population   | Dr Brendan Diplock                   |
| 9.38am      | Biochemical analysis of CoCr in Patients who have undergone a Hinged Total Knee Replacement with a  | Dr Robert Dewar                      |

## QORF Collaborative MSK Meeting "The future of musculoskeletal trauma research"

QUT - Owen J Wordsworth Room, Level 12, S Block

### **Technology in Trauma Care - Moderated by Professor Chris Carty**

13.40pm

Event end

| 9.42am  | KEYNOTE: Non-invasive multimodal rehabilitation for recovery of sensorimotor function after spinal cord injury | Dr Claudio Pizzolato |
|---------|--|----------------------|
| 10.02am | EPIC-Tech: Engineers and Physiotherapists Interdisciplinary Collaboration with Technology                      | Dr Alejandro         |
|         |  | Melendez-Calderon    |

| 10.12am     | Morning tea and e-posters  |                            |
|-------------|--|----------------------------|
| 10.44am     | An analysis of non-technical skills in Total Knee and Hip Arthroplasty surgeries with the Mako Robotic System  | Jasper Vermeulen           |
| 10.54am     | Robots and Injury: How They Help and How Future Designs Prevent Harm   | Dr Alan Burden             |
| 11.04am     | Technology-enhanced, group-based (TEG) model of hand therapy management versus usual care following carpal tunnel release surgery: a feasibility and pilot randomised controlled trial | Emma Taylor                |
| 11.11am     | KEYNOTE: Anatomy in Motion - 4DMR  | Professor Greg Couzens     |
| Trauma Prev | alence and Prevention - Moderated by Dr Alejandro Melendez-Calderon  |                            |
| 11.21am     | KEYNOTE: Trauma prevalence, patterns and prevention: Insights and opportunities  | Professor Kirsten Vallmuur |
| 11.41am     | Infections After Trauma: Today's Challenges and Tomorrow's Innovations   | Professor Andrej Trampuz   |
| 11.51pm     | Automated Vehicles in Injury Prevention  | Professor Ronald Schroeter |
| 12.01pm     | A 5-year Retrospective Analysis of Shoulder Replacements at Metro North Health   | Dr Yvana Toh               |
| 12.08pm     | Establishment of a Practice-Wide ACL Injury Registry – Evaluating the Epidemic   | Dr Jon Anderson            |
| 12.15pm     | Risk factors for paediatric meniscal pathology concomitant to anterior cruciate ligament rupture   | Dr Pushkar Khire           |
| 12.22pm     | Quantifying the Burden of Injury: Patient Reported Outcome Measures (Proms) Following Paediatric Anterior Cruciate Ligament Rupture  | Kylie Bradford             |
| 12.29pm     | Research Capacity and Culture Among Australian Hand Therapists and Orthopaedic Surgeons: A Cross-Sectional Survey  | Luke McCarron              |
| 12.36pm     | Closing address  | Dr Philip Dalton           |
| 12.41pm     | Lunch and e-posters  |                            |

### Thank you to the 2025 Trifecta Event convenors:

Ross Crawford, QORFCC Chair

Professor Nadine Foster, Queensland Health Representative

Convening committee: QORF Board Chair Peter Steadman, QUT Representative Ahmed Sewify, Griffith University Representative Christopher Carty, AOA QLD Scientific Secretary Michael Lutz, AOA QLD Registrar Representative Thomas Crookes, QORF Board Director Philip Dalton, QORF Board Director Greg Couzens, QDOG Representative David Bade.



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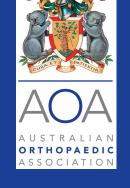
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