



SCIENCE ON THE SWAN 2021

Embedding Research and Innovation in Health Care with COVID-19 Insights

16-18 May 2021 • The Westin, Perth

www.scienceontheswan.com.au



| Sunday 16 May 2021 | |
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| 9:30 | Registration Opens - coffee/tea available |
| Opening Session | |
| 10:30 - 11:00 | Welcome Remarks Prof Gary Geelhoed Executive Director, Western Australia Health Translation Network |
| 10:35 - 10:40 | Welcome to Country with Matthew McGuire |
| 10:40 - 10:50 | Dave Kelly MLA Former Science Minister |
| 10:50 - 11:00 | Dr David Russell-Weisz Director General, The Department of Health WA |
| PathWest <i>Chair: Chief Pathologist, Prof Miles Beaman</i> | |
| 11:00 - 11:20 | Forensic Biology in Western Australia - Current Status and Future Directions Dr Gavin Turbett PathWest |
| 11:20 - 11:40 | Early Outcomes from Mackenzie's Mission the Australian Reproductive Carrier Screening Project Prof Nigel Laing Harry Perkins Institute of Medical Research |
| 11:40 - 12:00 | Speaker TBA |
| 12:00 - 12:15 | Genomics and Precision Cancer Management Prof Benhur Manuel PathWest |
| 12:15 - 12:30 | In It for the Long Run: FAST, COVID and Beyond Dr Tim Inglis PathWest and The University of Western Australia |
| Lunch / Posters & Networking | |
| East Metropolitan Health Service (EMHS) <i>Chair: Director of Research, Prof Daniel Fatovich</i> | |
| 13:30 - 13:45 | Research Improves Health EMHS video |
| 13:45 - 14:00 | Healthcare in a Virtual Environment Prof Grant Waterer East Metropolitan Health Service and Royal Perth Bentley Group |
| 14:00 - 14:15 | The Single Troponin Accelerated Triage (STAT) Chest Pain Study Dr Cara Barnes Royal Perth Hospital |
| 14:15 - 14:30 | The Emergence of Cell and Gene Therapies Dr Marian Sturm East Metropolitan Health Service |
| 14:30 - 14:45 | Challenging Uncertainties with Curiosity: The Story of Using Vena Cava Filters in Trauma Prof Kwok M. Ho Royal Perth Hospital |
| 14:45 - 15:00 | Royal Perth Hospital Bioengineering: 40 years of Translating Research and Innovation into Clinical Practice A/Prof Alan Kop PhD MSc CPEng IEAust Biomedical Engineer; Bioengineering (CITRA) Department of Medical Engineering and Physics Royal Perth Bentley Group |
| Afternoon Tea / Posters & Networking | |
| North Metropolitan Health Service (NMHS) <i>Chair: Executive Director of Quality, Safety, Governance and Consumer Engagement, Theresa Marshall</i> | |
| 15:30 - 15:40 | Consumer & Carer "Flipped Research" in Mental Health – PLEX / Pharmacogenomics / HBF Prof Sean Hood North Metropolitan Mental Health, Sir Charles Gairdner Hospital and The University of Western Australia |
| 15:40 - 15:50 | ART and the Hall Technique – Keeping it Simple for Our Kids Dr Cathy Alford North Metropolitan Detntal Services |
| 15:50 - 16:00 | Probiotics for Preterm Infants: Difficulties in Translation Prof Sanjay Patole PatoleCentre for Neonatal Research and Education, KEMH and The University of Western Australia |
| 16:00 - 16:10 | Pressure Injury Prevalence Over Two Decades at a Major Metropolitan Teaching Hospital Dr Linda Coventry Sir Charles Gairdner Hospital and Edith Cowan University |
| 16:10 - 16:20 | Creating Win-Win Outcome for Research and Clinical Care: The SCGH Pleural Experience Prof Gary Lee Sir Charles Gairdner Hospital and The University of Western Australia |
| 16:20 - 16:30 | Post-stroke Lateropulsion and Rehabilitation Outcomes: A Retrospective Analysis Ms Jess Nolan Sir Charles Gairdner Hospital and Edith Cowan Univrsity |
| 16:30 - 17:00 | The Experience of Translating Research to Practice Panel Discussion facilitated by Aron Chakera |
| Welcome Reception Welcome Reception Sponsorship by Perth Convention Bureau | |
| 17:00 - 19:00 | |

| Monday 17 May 2021 | |
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| 07:00 | Registration Opens |
| 07:30 - 09:00 | <p>Consumer and Community Involvement in Research Breakfast <i>Putting the 'I' into Health Service Research - Breakfast with a CCI Focus</i></p> <p>Panel Facilitator: Consumer and Community Involvement Program, Western Australia Health Translation Network, Ms Deb Langridge</p> <p>Consumers: Jane Pearce and Kerry Maclaurin</p> <p>Researchers: Prof Fiona Wood WA Burns Service of Western Australia, Perth Children's Hospital and South Metropolitan Health Service Prof Cath Elliot Curtin University Prof Peter McEvoy Centre for Clinical Interventions, North Metropolitan Health Services, and School of Population Health, Curtin University Prof Daniel Fatovich Royal Perth Hospital and East Metropolitan Health Service</p> |
| 09:00 - 10:30 | <p>Child and Adolescent Health Services (CAHS) <i>Chair: Chief Executive, Aresh Anwar</i></p> <p>Improving Prevention, Diagnosis and Management of sepsis in preterm infants Dr Tobias Strunk Telethon Kids Institute</p> <p>"Djaaling Waakinj (Listening, Talking)": partnering with the community to improve prevention, treatment and long-term outcomes for Aboriginal children with ear disease and hearing loss Dr Chris Brennan Jones Telethon Kids Institute</p> <p>Early detection and management of cerebral palsy Dr Jane Valentine Princess Margaret Hospital for Children Western Australia</p> <p>"Getting acTive": A novel digital solution to empower young people with type 1 diabetes during exercise Dr Vinutha Shetty Telethon Kids Institute</p> <p>Improving Outcomes For Adolescent Mental Health Prof Helen Milroy Telethon Kids Institute</p> |
| 10:15 - 10:30 | Panel Discussion |
| 10:30 - 11:00 | Morning Tea / Posters & Networking |
| 11:00 - 12:30 | <p>WA Country Health Service (WACHS) <i>Chair: Chief Executive, Jeff Moffat</i></p> <p>Working in Partnership for Research Translation Mrs Anita John and Mr Justin Manuel WA Country Health Service</p> <p>Improving Chronic Kidney Disease Outcomes through Linked Data Modelling Mr David Lim Curtin University</p> <p>The MADE Paediatric Safety Audit - Rethinking Paediatric Safeguarding in Rural Australian Hospitals Dr Marshall Makate Curtin University Dr John Van Bockmeer WA Country Health Services</p> <p>Treating Western Australia's Worst Serial Killer - Albany's Smoking Clinic A/Prof Mat Coleman Associate Professor in Rural and Remote Mental Health Practice, WACHS and UWA</p> <p>The Compassionate Communities Connectors Model of Care: A Community and Health Service Partnership in the South West of Western Australia Prof Samar Aoun Perron Institute and La Trobe University</p> <p>Tele Trials in WA Dr Wei-Sen Lam WA Country Health Services</p> |
| 12:30 - 13:30 | Lunch / Posters & Networking |
| 13:30 - 15:00 | <p>Private Hospital Research <i>Chair: Deputy Director Medical Services, St John of God Hospital Subiaco, Prof Eli Gabbay</i></p> <p>Value Based Healthcare Prof Christobel Saunders The University of Western Australia</p> <p>Cluster Designs Dr Ed Litton Fiona Stanley Hospital</p> <p>PADDI - A Landmark ANZCA CTN Trial Suited to Many Hospital Types Prof Tomas Corcoran Royal Perth Hospital, The University of Western Australia and Monash University</p> <p>TRACEBACK: A Proposed Framework to Increase Identification and Genetic Counselling of BRCA1 and BRCA2 Mutation Carriers Through Family-based Outreach to Prevent Women's Cancers Dr Paul Cohen St John of God Hospital (SJGH) Subiaco and The University of Western Australia</p> <p>The ORIGINS Project: Creating a Platform to increase research capacity to better understand non-communicable diseases Prof Desiree De Silva Joondalup Health Campus, Telethon Kids Institute and The University of Western Australia</p> <p>The Bendat Family Research Foundation: First 5 years Prof Eli Gabbay St John of God Hospital (SJGH) Subiaco, University of Notre Dame and The University of Western Australia</p> |
| 15:00 - 15:30 | Afternoon Tea / Posters & Networking |
| 15:30 - 17:00 | <p>South Metropolitan Health Service (SMHS) <i>Chair: Chief Executive, Paul Forden</i></p> <p>Research in Cochlear Implants Dr Dayse Tavora-Vieira Fiona Stanley Hospital</p> <p>Exercise and CV Outcomes Prof Andrew Malorana Curtin University and Fiona Stanley Hospital</p> <p>Nuase-led Smoking Cessation Service Utilising Motivation Interviewing and Nicotine Replacement Therapy in Crohn's Disease Mr Daniel Lightowler Fiona Stanley Hospital and The University of Western Australia</p> <p>The Lived Experience of Patients Following Total Laryngectomy in Western Australia; a Narrative inquiry Ms Elizabeth Gatanga Edith Cowan University</p> <p>Targeted lung cancer screening: The International LungScreen Trial (ILST) Dr Annette McWilliams Fiona Stanley Hospital and The University of Western Australia</p> <p>VR and Medical Education Dr Rob Swart Fiona Stanley Hospital</p> <p>Innovations in Patient Care in the ED Dr Ian Dey Fiona Stanley Hospital</p> <p>AI and Radiology Dr Ashu Gupta Fiona Stanley Hospital</p> |
| 17:00 - 18:30 | <p>Drinks with Oral Poster Presentations <i>Chair: Melinda Fitzgerald</i> <i>Host: Poster Abstracts</i></p> <p>Costs Associated with A Pre-operative Iron Deficiency Anaemia Clinic Mr Kevin Trentino Applying a Child-centred, Respectful Approach in Paediatric Trials Dr Therese O'Sullivan Flavonoid Intake and Ischemic Stroke Incidence in the Danish Diet, Cancer, and Health Cohort Mr Ben Parmenter Optimised Analytical Workflows for Targeted Phenomics in Population Cohorts Ms Monique Ryan Text Messaging to Follow-up An Emergency Department Cohort: Costs, Benefits and Lessons Learned Mr Jonathan Burcham Examining Cannabinoid-based Medicine Among Residents Diagnosed with Dementia: A Cross-over Trial Dr Amanda Timler The Student Research Initiative Western Australia (STRIVE WA) for International Audit and Research Mr Kyle Raubenheimer (Presented by Mr James Leigh) Precision radiotherapy informed by multi-parametric MRI and machine learning Prof Martin Ebert</p> |



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| Tuesday 18 May 2021 - COVID DAY | |
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| 08:00 | Registration Opens |
| 08:45 - 10:15 <i>WA Response to COVID-19</i> | |
| 08:45 - 08:50 | Prof Gary Geelhoed Executive Director, Western Australia Health Translation Network |
| 08:50 - 09:05 | Dave Kelly MLA Former Science Minister |
| 09:05 - 09:20 | Dr David Russell-Weisz Director General, The Department of Health WA |
| 09:20 - 09:35 | Dr Andrew Roberston Chief Medical Officer |
| 09:35 - 09:50 | Dr Robyn Lawrence Deputy Chief Health Officer |
| 09:50 - 10:05 | Prof Peter Klinken AC Chief Scientist |
| 10:05 - 10:15 | Panel Discussion |
| 10:15 - 10:45 | <i>Morning Tea / Posters & Networking</i> |
| 10:45 - 12:30 <i>WA Research Response to COVID-19</i> <i>Chair: Prof Sue Fletcher</i> | |
| 10:45 - 11:00 | Department of Health Dr Darren Gibson Department of Health WA |
| 11:00 - 11:15 | WAHTN Experience Prof Gary Geelhoed Executive Director, Western Australia Health Translation Network |
| 11:15 - 11:30 | Covid Research Response Prof Toby Richards WA COVID Research Response and The University of Western Australia |
| 11:30 - 11:45 | Research Infrastructure Dr Merrilee Needham Fiona Stanley Hospital, Murdoch University and Notre Dame University Australia |
| 11:45 - 12:00 | Immunological Response to COVID Dr Michael O'Sullivan Perth Children's Hospital |
| 12:00 - 12:15 | Thrombosis and COVID-19 Prof Ross Baker Perth Blood Institute |
| 12:15 - 12:30 | A/Prof Anna Barker Silver Chain |
| 12:30 - 13:30 | <i>Lunch / Posters & Networking</i> |
| 13:30 - 14:30 <i>Keynote Address</i> <i>Chair: Dr Merrilee Needham</i> | |
| 13:30 - 14:30 | The Secret Life of SARS-COV-2: A Molecular Physiological Perspective on the Natural History of COVID-19 and the Post COVID-Syndrome Prof Jeremy Nicholson Murdoch University |
| 14:30 - 15:00 <i>WA Research Response to COVID-19</i> <i>Chair: Dr Merrilee Needham</i> | |
| 14:30 - 14:45 | Canary in the Coalmine: Initiatives to Keep WA Mining Safe During COVID-19 Prof Chris Reid Curtin University |
| 14:45 - 15:00 | Collaborative, Cross-institution Mental Health Covid-19 Research Prof Sean Hood North Metropolitan Mental Health, Sir Charles Gairdner Hospital and The University of Western Australia |
| 15:00 - 15:30 | <i>Afternoon Tea / Posters & Networking</i> |
| 15:30 - 17:00 <i>COVID-19 Session</i> | |
| 15:30 - 15:45 | From running clinical trials to answering community questions Prof Jonathan Carapetis Telethon Kids Institute |
| 15:45 - 16:00 | REMAP-CAP: A Bayesian Adaptive Trial Identifying Treatments for COVID-19 Prof Steve Webb Monash University |
| 16:00 - 16:15 | Behaviour and Mental Health Before and After the Onset of the Covid-19 Epidemic Prof Alan James Sir Charles Gairdner Hospital |
| 16:15 - 16:30 | The Use of SARS-CoV-2 Genomics in Public Health Responses Dr David Speers PathWest |
| 16:30 - 16:45 | Consumer Perspective Ms Deb Langridge Consumer and Community Involvement Program, Western Australia Health Translation Network |
| 17:00 - 18:00 | Post-Conference Networking Drinks |