



RESEARCH CENTRE REPORT 2023

Translational Simulation Collaborative

Mission statement

The Bond Translational Simulation Collaborative aims to

- **Leverage the international reputation** of healthcare simulation practice and research at Bond University Faculty of Health Sciences and Medicine and Gold Coast Health.
- Accelerate **research and scholarship** outcomes in translational simulation within and beyond the Bond Faculty of Health Sciences and Medicine.
- Provide **consultancy services** to educational institutions, health services and groups wanting expert advice regarding healthcare simulation design, delivery and sustainability.
- Develop **partnerships** with educational and health service institutions and with industry.

Terms of reference

TOR attached. These were endorsed by the executive committee in January 2023

Centre Advisory Board

Associate Dean, Research, Bond Faculty of Health Sciences and Medicine

Assistant Professor Jessica Stokes-Parish, Deputy Director TSC. Associate Dean Student Affairs & Service Quality. Faculty of Health Sciences and Medicine &

Dr Ben Symon, Emergency Physician, Medical Director Mater Health Simulation, Co-producer Simulcast (external member)

Dr Eve Purdy, Emergency Physician, Research Lead Bond TSC

Affiliated staff

Associate Professor Suzanne Gough, Head of School, Physiotherapy, Faculty of Health Sciences & Medicine

Associate Professor Belinda Lowe, Obstetrician and Women's Health Lead, Bond Faculty of Health Sciences and Medicine

Assistant Professor Nemat Alsaba, Director of Simulation, Bond Medical Program

Assistant Professor Helen Houghton, Academic Lead Simulation-Based Education & Clinical Practice Support, Faculty of Health Sciences and Medicine

Dr Shelley Walker, Simulation Fellow, Faculty of Health Sciences and Medicine

Dr Ruth-Ellen Marks, Simulation Fellow, Faculty of Health Sciences and Medicine

HDR candidates

Dr Natasha Yates, Faculty of Health Sciences and Medicine.

Professor Victoria Brazil. Faculty of Health Sciences and Medicine

Meetings/ Governance

A virtual Advisory Board meeting of collaborative members was held in November 2023.

Financial statements are reviewed every 3 months with the Faculty Business Director

Research and scholarly outputs

TSC members have published a broad range of scholarly contributions in peer-reviewed journals, blogs, podcasts, social media, invited presentations and conference presentations.

These are detailed in **Appendix 1. (PURE report 2023)**



Consultancy activities

The Bond Translational Simulation Collaborative is currently working with:

Laerdal Medical (Norway) - building a 'Sim to Improve' program to be offered internationally.

Metro North Hospital and Health Service - supporting the Royal Brisbane and Womens Hospital High Performance Teamwork Strategy.

South Australia Health - Medstar retrieval service - Simulation Faculty development workshops.

Woodlands Health Group (Singapore) - supporting design and transition to a new hospital.

Teaching and Supervision

The subject [Translational Simulation in Healthcare](#) was delivered for the second time, within the Healthcare Innovations program, and as a micro credential. Twelve students are enrolled.

Microcredentials in **Simulated Patient (SP) methodology** and **Moulage** are being developed under the leadership of Jessica Stokes-Parish.

Events

The second ***Simulation: Reconnect*** event was held in November 2023, with almost 100 attendees from across Australia at the one-day seminar and associated half day workshops. Professor Vicki LeBlanc was our keynote speaker, together with invited talks from Associate Professor Ellen Davies from Adelaide Health Simulation and Dr Nancy Sadka from The Northern hospital in Melbourne.

The Bond TSC hosted the inaugural **Academic Writers festival** in March 2024, attended by 60 Bod staff and external visitors. Professor Lorelei Lingard was the keynote speaker - *Can AI help me learn to love writing?* - with a series of panel discussions and workshops. Prof Lingard led a 4 day Writers Studio program after the festival day.

Communication and Marketing

The Translational Simulation Collaborative has developed a [website](#) with information and updates. [Monthly newsletters](#) are sent to our key stakeholders and also available on the website.

Our partnership with [Simulcast](#) connects the TSC with a broad simulation community of practice.

Visitors

Professor Vicki LeBlanc, Chair, Department of Innovation in Medical Education (DIME), University of Ottawa.

Professor Lorelei Lingard, Professor, Department of Medicine, Schulich School of Medicine & Dentistry, Western University. Senior Scientist, Centre for Education Research & Innovation, Schulich School of Medicine & Dentistry, Western University.

Dr Anders Schramm, Department of Clinical Medicine, Aarhus University, Denmark

Drs Sean McCabe and Jonathan Ramsden, Simulation Fellows, Adelaide Health Simulation and Emergency Medicine Registrars, Royal Adelaide Hospital

Priorities for 2024

Consultancy Projects with Laerdal Medical, Royal Brisbane Hospital and Adelaide Health Simulation/ SA Health.

External engagement through Sim Reconnect and Writers festivals events.

Research programs:

- Moulage
- Visually Enhanced Mental Simulation (VEMS)
- Nurses as Embedded Simulated Participants (ESP)

Appendix 1. Research Publications and Scholarship

[Assessing Quality Simulated Participant Programs: A Case Study of Bond University's Simulated Participant Program](#)

[Stokes-Parish, J. B., Alsaba, N., Bannatyne, A. J., Houghton, H., Green, P. & Marr, K., May 2023, p. 80. 1 p.](#)

[Capitalizing the power of Gamification analytics to understand learner engagement in undergraduate Medicine](#)

[Lottering, N., Kennedy, S., Rohl, J., Houghton, H. & Gough, S., Aug 2023, p. 1053-1054. 2 p.](#)

[Exploring participant experience to optimize the design and delivery of stress exposure simulations in emergency medicine](#)

[Brazil, V., Orr, R., Canetti, E. F. D., Isaacson, W., Stevenson, N. & Purdy, E., Apr 2023, In: *AEM Education and Training*. 7, 2, 9 p., e10852.](#)

[Extended Reality Use in Paediatric Intensive Care: A Scoping Review](#)

[Goldsworthy, A., Chawla, J., Baumann, O., Birt, J. R. & Gough, S., Sept 2023, In: *Journal of Intensive Care Medicine*. 38, 9, p. 856-877 22 p.](#)

[Faculty development for translational simulation: a qualitative study of current practice](#)

[Brazil, V., Purdy, E., El Kheir, A. & Szabo, R. A., Dec 2023, In: *Advances in Simulation*. 8, p. 1-9 9 p., 25.](#)

[Inclusive Multiple Mini Interview \(MMI\) designs: feasible or a pipe dream?](#)

[Szkwara, J., Stokes-Parish, J. B., Bishop, J. & Forrest, K. A. T., 28 Jun 2023, p. 193-193. 1 p.](#)

[LEADERSHIP AT THE INTERSECTION OF HEALTHCARE AND CONSTRUCTIVE DEVELOPMENTAL THEORY: A SCOPING REVIEW](#)

[Richards-Green, S., Mickan, S. & Gough, S., 2023, In: *Asia Pacific Journal of Health Management*. 18, 2, 2583.](#)

[Models of care for frail older persons who present to the emergency department: A scoping review of the literature](#)

[Huang, Y. L., McGonagle, M., Shaw, R., Eastham, J., Alsaba, N., Lin, C. C. & Crilly, J., Jan 2023, In: *International Emergency Nursing*. 66, 101250.](#)

[Older adults as simulated participants: a scoping review](#)

[Smith, C. M., Alsaba, N., Nestel, D. & Sokoloff, L. G., 12 Jun 2023, In: *International Journal of Healthcare Simulation*. p. 1-10 10 p.](#)

[Perceptions of gender equity among critical care and other health professionals: A cross-sectional survey](#)

[Thompson, K., Hammond, N., Lynch, D., Merwe, M. V. D., Modra, L., Yong, S., Grattan, S. & Stokes-Parish, J., 12 Aug 2023, \(Accepted/In press\) In: *Australian Critical Care*. p. 1-8 8 p.](#)

[Ready student one: Simulation-based education, virtual reality, and the perception of stress](#)

[Fontenelle Dumans Canetti, E.](#), Gill, G., Kang, A., [Gough, S.](#), [Schram, B.](#) & [Orr, R. M.](#), 7 Oct 2023, p. 506. 1 p.

[Re-imagining Health and Medicine Education: Implementing a Mobile-based Gamification app for Improved Affective Learner Engagement](#)

[Lim, I.](#), [Lottering, N.](#) & [Gough, S.](#), Feb 2023, *Supporting Self-Regulated Learning and Student Success in Online Courses*. Glick, D. & Chang, C. (eds.). [IGI Global](#), 29 p.

[Simulation as an Improvement Technique](#)

[Brazil, V. A.](#), Purdy, E. & Bajaj, K., 11 Jan 2023, *Elements of Improving Quality and Safety in Healthcare*. Dixon-Woods, M., Brown, K., Marjanovic, S., Ling, T., Perry, E. & Martin, G. (eds.). [Cambridge University Press](#)

[SIMULATION FOR A NEW HOSPITAL OPENING?](#)

[Brazil, V. A.](#), 7 Mar 2023, In: [International Clinical Educators Network blog \(ICENET\)](#).

[Simulcast Self Development Module Moulage](#)

[Stokes-Parish, J. B.](#) & Roiter, G., 28 Apr 2023, 5 p. Simulcast.

[WEARING HATS AND BLENDING BOUNDARIES AS A SIMULATION EDUCATOR](#)

[Brazil, V. A.](#), 24 Jan 2023, In: [International Clinical Educators Network blog \(ICENET\)](#).

[Where to now? A systematic review of moulage in health professions education](#)

Zadow, G., DCosta, S., [Reidlinger, D. P.](#), [Cox, G. R.](#) & [Stokes-Parish, J. B.](#), May 2023, p. 82. 1 p.

[Working with Simulated Participants in Health Professions Education: sharing best practice, tools, and frameworks](#)

[Stokes-Parish, J. B.](#), Marr, K. & [Gough, S.](#), 26 Jun 2023, p. 16-16. 1 p.

[You are in charge now: exploration of educational relationships between anaesthetic trainees and their supervising specialists](#)

Hodgson, T., [Brazil, V.](#) & Purdy, E., Jun 2023, In: [BJA Open](#). 6, 100137.

Appendix 2. Terms of Reference



Translational Simulation Collaborative

Terms of Reference

Translational Simulation is a functional term for how simulation may be connected directly with health service priorities and patient outcomes, through interventional and diagnostic functions. The term highlights an emerging role for healthcare simulation use in quality improvement and systems testing, in addition to its established role in health professions education.

Mission statement

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- Provide **consultancy services** to educational institutions, health services and groups wanting expert advice regarding healthcare simulation design, delivery and sustainability.
- Develop **partnerships** with educational and health service institutions and with industry.

More information is provided here <https://bond.edu.au/translational-simulation-collaborative>

TERMS OF REFERENCE

The Translational Simulation Collaborative Research Centre (TSC) reports to the Executive Dean, Faculty of Health Sciences and Medicine.

Its purpose is to:

1. Enhance the existing international reputation of healthcare simulation practice and research at Bond University Faculty of Health Sciences and Medicine and Gold Coast Health.
2. Accelerate research and scholarship outcomes in translational simulation within and beyond the Bond Faculty of Health Sciences and Medicine
3. Provide consultancy services to educational institutions, health services and groups wanting expert advice regarding healthcare simulation design, delivery and sustainability.
4. Develop partnerships with educational and health service institutions and with industry.
5. Engage research fellows, and professional and academic staff to support the research and consultancy activity of the Collaborative.
6. Attract external grants, philanthropic and other funding to support translational simulation research and scholarship.
7. Offer HDR research opportunities, bespoke short courses & faculty development workshops for institutions, and electives and Fellowships in healthcare simulation.
8. Partner with industry for collaborative design of healthcare simulation products, using a translational simulation approach.

Director

Professor Victoria Brazil, Faculty of Health Sciences and Medicine

Centre Advisory Board

Associate Dean, Research, Bond Faculty of Health Sciences and Medicine

Assistant Professor Jessica Stokes-Parish, Deputy Director TSC. Associate Dean Student Affairs & Service Quality, Faculty of Health Sciences and Medicine

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Dr Ruth-Ellen Marks, Simulation Fellow, Faculty of Health Sciences and Medicine

Meetings

The Centre Advisory Board shall meet 2 times per year, to determine priorities for the research and other activities of the Collaborative.

Meeting summaries will be provided to the Executive Dean and Business Director, Faculty of Health Sciences and Medicine

Operational support

Administrative and business support is provided from within the Faculty of Health Sciences and Medicine. The Director shall meet with the Executive Dean HSM or Faculty Business Director once per month to provide updates.

Income and expenditure is managed under the direction of the Faculty Business manager and finance officers. The Director shall meet with the Faculty Business Director every 3 months to review and endorse income and expenditure.

Conflicts of interest (actual, potential, or perceived) shall be declared in writing to the Executive Dean of the Faculty of Health Sciences and Medicine, and also reviewed at the 3 monthly reviews with Faculty Business Director.

Reporting

The Director will provide an annual report to the Bond University Research Committee by the 31st of March each year. This includes a list of all staff and students and external collaborators associated with the Centre.

Endorsed by TSC Executive: January 2023

Contact our TSC

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Collaborative
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In the spirit of reconciliation, Bond University acknowledges the Kumbumerri people, the traditional Owners and Custodians of the land on which the University now stands. We pay respect to Elders past, present and emerging.

The information published in this document is correct at the time of printing. However, all programs are subject to review by the Academic Senate of the University and the University reserves the right to change its program offerings and subjects without notice. The information published in this document is intended as a guide and persons considering an offer of enrolment should contact the relevant Faculty or Institute to see if any changes have been made before deciding to accept their offer.

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