



Translational Simulation Collaborative

Research Centre Report 2022

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, Bond Faculty of Health Sciences and Medicine & Deputy Director TSC

Stephanie Barwick, Director of Mater Education, Mater Hospital Brisbane (external member) or delegate

Dr Ben Symon, Emergency Physician, Director STORK (Qld Childrens Hospital Simulation program), Co-producer Simulcast (external member)



Affiliated staff

Associate Professor Suzanne Gough, Associate Dean, Learning & Teaching, 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

Dr Eve Purdy, Emergency Physician, Research Lead Bond TSC

Dr Natasha Yates, Faculty of Health Sciences and Medicine.

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

Mr Jesse Spurr, RN, Redcliff Hospital (external member)

Meetings

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

Research productivity

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 2. (PURE report 2022/2023)**

Consultancy activities

Gandel Simulation Service

Victoria Brazil (Consultant), Eve Purdy (Research consultancy) & Jessica Stokes-Parish (Consultant)
1 Feb 2021 → 30 Jun 2024
Activity: Consultancy

Gold Coast Private Hospital - Simulation testing for maternity teams and for new interventional radiology suite

Victoria Brazil (Consultant) & Belinda Lowe (Advisor)
1 Mar 2022 → 30 Jun 2023
Activity: Consultancy

Woodlands Health Group (Singapore) Translational Simulation consultancy

Victoria Brazil (Consultant) & Eve Purdy (Advisor)
1 Jun 2022 → 31 Dec 2023
Activity: Consultancy

Assessor for the 2022 Australian Awards for University Teaching (AAUT)

Suzanne Gough (Consultant)
1 Sep 2022 → 23 Nov 2022
Activity: Consultancy

Royal Brisbane and Womens Hospital Development of a High Performance Teamwork Strategy

Victoria Brazil (Consultant) & Eve Purdy (Advisor)
1 Oct 2022 → 30 Jun 2023
Activity: Consultancy

Virtual clinical education activities in physiotherapy - linking China and Queensland.

Sandy Brauer (Consultant), Wayne Hing (Consultant), Suzanne Gough (Consultant), Jennifer Phillips (Consultant), Alice Jones (Consultant), Allison Mandrusiak (Consultant), Roma Forbes (Consultant) & Damian McClymont (Consultant)
1 Oct 2022 → 12 Jan 2023
Activity: Consultancy

University of Adelaide - Development of a description of a future state of simulation-based education. Northern Adelaide Local Health Network

Victoria Brazil (Consultant)
28 Nov 2022 → 30 Apr 2023
Activity: Consultancy



Teaching and Supervision

The subject [Translational Simulation in Healthcare](#) was delivered for the first time, within the Healthcare Innovations program, and as a micro credential. Ten students are completing the inaugural program, including 3 from Singapore.

Events

The ***Simulation: Reconnect*** event was held in November 2022, with almost 100 attendees from across Australia at the one day seminar and associated half day workshops. Professor Gabe Reedy was our keynote speaker, together with invited talks from Dr Kara Allen from Gandel Simulation Service and Dr Nancy Sadka from The Northern hospital in Melbourne. Planning is already underway for our 2023 event in November.

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 Gabriel Reedy, Kings College, London, Editor in Chief, Advances in Simulation (November 2022)

Dr Laurence Baril, Queens University, Kingston, Ontario, Canada

DR Jean-Francois Deshais, Quebec, Canada

**Appendix 1.
Research publications
and scholarship**

Type	Peer-reviewed	APA
Contribution to journal - Article	Peer-reviewed	Brazil, V., Scott, C., Matulich, J., & Shanahan, B. (2022). Developing a simulation safety policy for translational simulation programs in healthcare. <i>Advances in Simulation</i> , 7(1), 4. https://doi.org/10.1186/s41077-022-00200-9
		Brazil, V., McLean, D., Lowe, B., Kordich, L., Cullen, D., De Araujo, V., Eldridge, T., & Purdy, E. (2022). A relational approach to improving interprofessional teamwork in post-partum haemorrhage (PPH). <i>BMC Health Services Research</i> , 22(1), [1108]. https://doi.org/10.1186/s12913-022-08463-8
		Dace, W., Purdy, E., & Brazil, V. (2022). Wearing hats and blending boundaries: harmonising professional identities for clinician simulation educators. <i>Advances in Simulation</i> , 7(1), [35]. https://doi.org/10.1186/s41077-022-00229-w
		Gisondi, M. A., Michael, S., Li-Sauerwine, S., Brazil, V., Caretta-Weyer, H. A., Issenberg, B., Giordano, J., Lineberry, M., Olson, A. S., Burkhardt, J. C., & Chan, T. M. (2022). The Purpose, Design, and Promise of Medical Education Research Labs. <i>Journal of Medical Education</i> , 97(9), 1281-1288. https://doi.org/10.1097/ACM.0000000000004746
		Lowe, B., Ng, J., Jordan, S., Waynforth, D., Angstetra, D., & Brazil, V. (2022). Test-enhanced learning improves learner attendance during a laparoscopic box trainer simulation program. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 62(4), 589-595. https://doi.org/10.1111/ajo.13528
		Purdy, E., Borchert, L., El-Bitar, A., Isaacson, W., Jones, C., Bills, L., & Brazil, V. (2022). Psychological safety and emergency department team performance: A mixed-methods study. <i>EMA - Emergency Medicine Australasia</i> . https://doi.org/10.1111/1742-6723.14149
		Stokes-Parish, J. (2022). Navigating the Credibility of Web-Based Information during the COVID-19 Pandemic: Using Mnemonics to Empower the Public to Spot Red Flags in Health Information on the Internet. <i>Journal of Medical Internet Research</i> , 24(6), [e38269]. https://doi.org/10.2196/38269

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and scholarship**

Type	Peer-reviewed	APA
		<p>Stokes-Parish, J. B., Barrett, D., Elliott, R., Massey, D., Rolls, K., & Credland, N. (2022). Fallen angels and forgotten heroes: A descriptive qualitative study exploring the impact of the angel and hero narrative on critical care nurses. <i>Australian Critical Care</i>. https://doi.org/10.1016/j.aucc.2022.11.008</p>
		<p>Walker, A., Hing, W., Gough, S., & Lorimer, A. (2022). 'Such a massive part of rehab is between the ears'; barriers to and facilitators of anterior cruciate ligament reconstruction rehabilitation: a qualitative focus group analysis. <i>BMC Sports Science, Medicine and Rehabilitation</i>, 14(1), [106]. https://doi.org/10.1186/s13102-022-00499-x</p>
		<p>Yates, N., Gough, S., & Brazil, V. (2022). Self-assessment: With all its limitations, why are we still measuring and teaching it? Lessons from a scoping review. <i>Medical Teacher</i>. https://doi.org/10.1080/0142159X.2022.2093704</p>
Contribution to journal - Comment/debate/opinion	Peer-reviewed	<p>Stokes-Parish, J. B., Massey, D., Rolls, K., & Elliott, R. (2022). The angels and heroes of health care: Justified and appropriate, or harmful and destructive? <i>Journal of Hospital Medicine</i>, 17(10), 847-849. https://doi.org/10.1002/jhm.12939</p>
Contribution to journal - Editorial	Not peer-reviewed	<p>Brazil, V., & Dubé, M. (2022). Simulation changing the face of healthcare improvement: a silver lining from the COVID-19 pandemic? <i>Canadian Journal of Emergency Medicine</i>, 24(4), 357-358. https://doi.org/10.1007/s43678-022-00324-x</p>
Contribution to journal - Meeting Abstract	Peer-reviewed	<p>Jones, N., Marshall, J., Gough, S., & Walsh, S. (2022). An Adapted Delivery of the Brick-by-Brick T Programme to Develop Communicative Competence in Children with Acquired Brain Injury (ABI) who use Augmentative and Alternative Communication (AAC) Systems. <i>Brain Injury</i>, 36(Suppl. 1), 106-107. https://doi.org/10.1080/02699052.2021.2023296</p>
		<p>Stokes-Parish, J., Massey, D., Elliott, R., Credland, N., Barrett, D., & Rolls, K. (2022). Critical care nurses perceptions of the angel hero label used to describe their roles and practice during COVID-19. <i>Australian Critical Care</i>, 35(Supplement 1), S11. https://doi.org/10.1016/j.aucc.2022.08.043</p>

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Research publications
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Type	Peer-reviewed	APA
Contribution to journal - Review article	Peer-reviewed	Aliprandi, M., Pan, Y., Mosley, C., & Gough, S. (2022). What is the cost of including virtual reality in neurological rehabilitation? A scoping review. <i>Physical Therapy Reviews</i> , [2094102]. https://doi.org/10.1080/10833196.2022.2094102
		Hewitt, J., Alsaba, N., May, K., Noon, H. S., Rennie, C., & Marshall, A. P. (2022). Emergency department and intensive care unit health professionals' knowledge and application of the law that applies to end-of-life decision-making for adults: A scoping review of the literature. <i>Australian Critical Care</i> . https://doi.org/10.1016/j.aucc.2022.08.002
		Huang, Y. L., McGonagle, M., Shaw, R., Eastham, J., Alsaba, N., Lin, C. C., & Crilly, J. (2023). Models of care for frail older persons who present to the emergency department: A scoping review of the literature. <i>International Emergency Nursing</i> , 66, [101250]. https://doi.org/10.1016/j.ienj.2022.101250
		Rappazzo, L., Seagrave, S., & Gough, S. (2022). Forming and shaping of professional identity within pre-registration physiotherapy curricular: A scoping review. <i>Nurse Education Today</i> , 109, [105250]. https://doi.org/10.1016/j.nedt.2021.105250
Contribution to conference - Abstract	Peer-reviewed	Bishop, J., Szkwara, J., Stokes-Parish, J. B., Delaney, L., Byrne, J., & Forrest, K. A. T. (2022). <i>One way or another we can select you. A case study of a hybrid MMI model for undergraduate medicine programs in COVID-19</i> . Abstract from Australian & New Zealand Association for Health Professional Educators, ANZAHPE 2022 Festival.
		Brazil, V. A., Orr, R. M., Fontenelle Dumans Canetti, E., Stevenson, N., Isaacson, W., & Purdy, E. (2022). <i>Stress Exposure Simulations for Emergency Department Teams</i> . Abstract from 2022 Annual Meeting of the Society for Simulation in Europe, Seville, Spain. https://vimeo.com/705675137
		Stokes-Parish, J. B. (2022). <i>The Social Dilemma: Leveraging Social Media Strategically</i> . Abstract from Australian & New Zealand Association for Health Professional Educators, ANZAHPE 2022 Festival. https://az659834.vo.msecnd.net/eventsairaeuprod/production-eventstudio-public/44eee697fd3e4c0bbb36499f51c8089a

Appendix 1. Research publications and scholarship

Type	Peer-reviewed	APA
Other contribution - Other contribution	Not peer-reviewed	Stokes-Parish, J. B., Alsaba, N., & Marks, R-E. (2022, Jul 14). Simulated Participant Methodology. http://simulationpodcast.com/wp-content/uploads/2022/07/Simulcast-Self-Development-Module-Simulated-Patient-Methodology.pdf
		Stokes-Parish, J. B., & Roiter, G. (2022). Moulage Skills. YouTube. https://www.youtube.com/playlist?list=PLV3JlmpYqz5iaa-DcNK-nfq32Ka2pEe8
Book/Report - Book	Not peer-reviewed	Stokes-Parish, J. B., & Roiter, G. (2022). <i>Moulage Resource Book</i> . Bond University.
Other contribution - Discipline Preprint Repository	Not peer-reviewed	Stokes-Parish, J. B. (2022, Mar 30). Navigating Credibility of Online Information during COVID-19: Using mnemonics to equip the public to spot red flags in health information online (preprint). JMIR Publications. https://doi.org/10.2196/38269

Listing of awards

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ID	Fundings > Funding organisation	Fundings > Awarded amount	Related award holders	Award date	Title
156197160	Bond University Faculty of Health Sciences and Medicine: Faculty Research Committee	7,000.00		2/05/22	2022 HSM Early Career Researcher Seed Grant
159650552	Bond University Faculty of Health Sciences and Medicine: Medicine Research Committee (MeRC)	6,500.00	Jessica Stokes-Parish	11/05/22	2022 John Kearney Research Scheme Seed Grant



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

The Bond Translational Simulation Collaborative (TSC) aims to

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- 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.

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

Translational Simulation Collaborative TranslationalSimteam@bond.edu.au



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, Bond Faculty of Health Sciences and Medicine & Deputy Director TSC

Stephanie Barwick, Director of Mater Education, Mater Hospital Brisbane (external member) or delegate



Dr Ben Symon, Emergency Physician, Director STORK (Qld Childrens Hospital Simulation program),
Co-producer Simulcast (external member)

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

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

Mr Jesse Spurr, RN, Redcliff Hospital (external member)

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
