

Academic and Professional Qualifications

Masters of Education International	2016	Charles Darwin University
Graduate Certificate Teaching & Learning Higher Education	2014	Charles Darwin University
PhD (General Medicine):	2004	Monash University
BSc (Hons)	1997	Monash University
BA	1997	Monash University

Select publications

- Brown, C., Huber, E., Bone, E., Gribble, L., Lys, I., Dickson-Deane, C., Yu, P., Markauskaite, L., & Campbell, C. (2023). Academic women co-designing education futures in a postdigital world. *Postdigital Science and Education*, 1-21. Advance online publication. <https://doi.org/10.1007/s42438-023-00410-y>
- Cobbold, C., Fernandez, F. & Lys, I (2021) ECHO360 Active Learning Platform in Health Sciences Education. *International Journal for Innovation Education and Research*, Vol 9 No 2
- Cook-Sather, A., Slates, S., Acai, A., Baxter, J., Bond, R., Lowe, T., Zurcher, H., O'Brien, J., Tavares, V., Lewe, M.-T., Khan, A., Poole, H., Smith, A. C., Iqbal, M. Z., Arm, K., Escobar Lema, J. E. ., Groening, J., Garg, K., Bello Rinaudo, N. L., Crisp, N., Mukherji, M. ., Addy, T., Lewis, L. M., Vayada, P., Zhang, M., Liang, Y. (Scott) ., Rodgers, H. B., Judd, M.-M. ., Szucs, B., Thompson, D., Schmidt, S. ., Semos, I., Watchman Smith, N., Pfeifer-Luckett, R. ., Bala, N., Chia, M.-D., Kochhar-Lindgren, G. ., Leung, L. ., Lys, I., Matthews, K., Zou, T., & Lewis, R. (2021). Diversifying students-as-partners participants and practices. *International Journal for Students As Partners*, 5(1), 146–159. <https://doi.org/10.15173/ij sap.v5i1.4627>
- Martin, A C., Heazlewood, I T., Lys, I., Kitic, C M and Johnson, L. (2019) Possible hormone predictors of physical performance in adolescent team sport athletes *Journal of Strength and Conditioning Research*, DOI: [10.1519/JSC.0000000000002014](https://doi.org/10.1519/JSC.0000000000002014)
- Hayat, I., Lys, I. and Page, R. (2018) Novel network exploration through mRNA changes in skeletal muscle after resistance exercise *Pakistan Postgraduate Medical Journal*, DOI: <https://doi.org/10.51642/ppmj.v28i1.94>
- Lee, Y P., Gan, M H., Lys, I., Page, R., Dias-Wanigasekera, B. and Austin, C M. (2015) The complete mitogenome of the New Zealand freshwater crayfish *Paranephrops planifrons* White 1842 (crustacean: Decapoda: Parastacidae) *Mitochondrial DNA*, □ □ DOI: [10.3109/19401736.2015.1018209](https://doi.org/10.3109/19401736.2015.1018209)

- Rowlands, D., Page, R.A., Sukala, W., Giri, M., Ghimbovschi, S., Hayat, I., Cheema, B., **Lys, I.**, Leikis, M., Sheard, P., Wakefield, S J, Breier, B., Hathout, Y., Brown, K., Marathi, R., Orkunoglu-Suer, F., Devaney, J., Leiken, B., Many, G., Krebs, J., Hopkins, J., and Hoffman, E. (2014) "Multi-Omic integrated networks connect DNA methylation and microRNA with skeletal muscle plasticity to chronic exercise in type 2 diabetic obesity" *Physiological Genomics*. 46(20), 747-765, doi: [10.1152/physiolgenomics.00024.2014](https://doi.org/10.1152/physiolgenomics.00024.2014)
- Somdee, T., Thunders, M., Ruck, J., **Lys, I.**, Allison, A. & Page, R. (2013) Degradation of [Dha7] MC-LR by microcystin degrading bacterium isolated from Lake Rotoiti, New Zealand. *ISRN Microbiology*, Article ID 596429, doi: [10.1155/2013/596429](https://doi.org/10.1155/2013/596429)
- Clarke, J., McCulley, M, **Lys, I.**, Stewart, T., and Milne, J., (2012) Response to scenario-based resources in a First Year Human Bioscience University Course, *Ako Aotearoa (New Zealand) National Centre for Tertiary Teaching Excellence Regional Hub Project Fund*. <https://ako.ac.nz/assets/Knowledge-centre/RHPF-c33-interactive-case-studies-for-Health-students/RESEARCH-REPORT-Response-to-Scenario-based-Resources-in-a-First-Year-Human-Bioscience-University-Course.pdf>
- Milne, J., Heinrich, E. and **Lys, I.**, (2010) Integrating ePortfolios-guiding questions and experiences. *Journal of Open, Flexible and Distance Learning, Distance Education Association New Zealand (DEANZ)*. <https://jofdl.nz/index.php/JOFDL/article/view/30>

Projects

Selected studies with Australian Catholic University(ACU)/Faculty of Health Science (FHS) funding

- Laurine Hurley **Dr Isabelle Lys** & Peter Weyand, FHS Teaching and Learning grant, 2021(\$5517)
- **Dr Isabelle Lys**, ACU Teaching and Learning Development grant, "*Co-creating a distinctive Aboriginal & Torres Strait Islander online interactive garden trail with students for learning and for community engagement*", 2020 (\$14, 000)
- **Dr Isabelle Lys**, ACU Taskforce for Student Achievement and Retention Project grant: "*Undergraduate first year Health Sciences student online pre-course preparation and warm up*", 2018 (\$5275)
- **Dr Isabelle Lys**, ACU Aboriginal and Torres Strait Islander Student Success program project grant, "*Celebrating Aboriginal and Torres Strait Islander knowledge & sustainable practices in sciences*", 2017 (\$14, 000)
- **Dr Isabelle Lys (collaborator)**, ACU Teaching and Learning Development project grant, "*New Echo 360 active learning platform at ACU: building a toolkit for students and staff engagement in first year Health Sciences*", 2016 (\$10, 690)
- **Dr Isabelle Lys**, ACU FHS Blended Learning Development grant, "*Effective use of Peerwise and Flipped lectures in a first-year biomedical science unit*", 2016 (\$5000)
- **Dr Isabelle Lys**, ACU FHS Teaching and Learning grant, "*Promoting the development of an online, multi-campus teaching community for sessional staff at ACU*", 2015 (\$5000)

Selected industry funded studies

- 2022 Uniservitate Community Engagement(CE) grant, “Multistakeholder engagement & co-design with students in new CE activities in Acacia Ridge” (\$5000)
- 2019 ECHO360 Australia New Zealand Champion grant, “Welcome to ECHO360@ACU” a national online induction via My Student Portal (\$5000)

Accolades and awards

- **2023** CSIRO STEM professionals in school rural/remote travel grant
- **2022** Vice Chancellor Award for Mission at ACU (Human Library)
<https://libguides.acu.edu.au/human-library>
- **2021** Senior Fellowship of Higher Education Academy UK
- **2019:** Australian Catholic University Teaching Citation for Outstanding Contribution to Teaching Award
- **2019:** Australian Conference on Science and Mathematics Education travel grant

Appointments and affiliations

Appointments

- **Senior lecturer in Biomedical Sciences, School of Science (teaching focused)**, Faculty of Health Sciences, Australian Catholic University, Australia (2015 to present)
- **Senior Lecturer in Sports and Exercise Science (teaching and research focused), teaching Anatomy and Physiology, and Pathophysiology**, Faculty of Engineering, Health, Science and the Environment, Charles Darwin University, Australia (September 2010 to 2015)
- **Lecturer in Human Bioscience (teaching and research focused)**, unit co-ordinator for Normal Human Body Function, lecturer in Pathophysiology, Life Sciences (Introduction to Anatomy and Physiology) & Environmental Health (2007-2010). Institute of Food, Nutrition & Human Health, Massey University, Wellington
- **Postdoctoral Research Fellow**, (2003-2004), “*Steroid hormone/receptor regulation and function in breast cancers*”, Ottawa Health and Research Institute, Canada.
- **Postdoctoral Research Fellow**, (2004-2007), “*Steroid hormone/receptor regulation and function in reproduction and pregnancy*”, AgResearch, Hamilton, New Zealand

Professional affiliations

- CSIRO STEM Professionals in Schools
- Member of Uniservitate
- Committee member for International Association for Research on Service-Learning and Community Engagement (IARSLCE)
- Mentor for graduate students in IARSLCE
- Member of Carnegie Network & Engagement Australia
- Member of Women in Academic Leadership Initiative(WiAL), Australasian Society for Computers In Learning in Tertiary Education (ASCILITE)

Reviewer for conference submissions

- HERSDA 2021-2024
- ASCILITE 2021-2024

International journal review panel

- Advancing Scholarship and Research in Higher Education
- <https://asrhe.org/index.php/asrhe>

Grant agency review panel

- Uniservitate Award reviewer, 2024

Public engagement

- ACU Stakeholder Engaged Scholarship Unit (SESU)
 - <https://www.acu.edu.au/about-acu/news/2023/october/new-research-projects-to-support-outreach-programs-in-australia-and-overseas#>
- Commonwealth Scientific & Industrial Research Organisation (CSIRO) STEM Professionals in Schools program (2011-present)
 - A garden of knowledge: Indigenous garden goes digital
<https://blog.doublehelix.csiro.au/a-garden-of-knowledge-indigenous-plants-go-digital/>
 - From seed to screen: Indigenous garden goes digital
<https://www.csiro.au/en/news/all/articles/2023/may/indigenous-garden>