

YVES SAINT JAMES AQUINO

Research Fellow, Australian Centre for Health Engagement, Evidence and Values (ACHEEV), University of Wollongong, NSW, Australia, yaquino@uow.edu.au, <https://yvesaquino.com/>

EDUCATION

- 2016-2019 **Ph.D., Department of Philosophy, Macquarie University, Australia**
- Dissertation title: “Pathologising Ugliness: An Ethical Critique of Conflating Health and Beauty in Cosmetic Surgery”
- 2015-2016 **M.Res., Department of Philosophy, Macquarie University, Australia**
- Dissertation title: “Big eye surgery”: understanding the ethical implications of medicalising Asian features in cosmetic surgery
 - Awarded with High Distinction
- 2013-2014 **M.Sc. Bioethics, Erasmus Mundus: KU Leuven, Belgium; Radboud University, Netherlands; University of Padua, Italy**
- Dissertation title: “Borrowed beauty? Understanding identity in Asian facial cosmetic surgery”
 - Awarded *Summa cum laude* and Best Thesis
- 2004-2009 **M.D., University of the Philippines, Manila, Philippines**
- Philippine physician license since 2009
 - Internship at the Philippine General Hospital, Manila, Philippines
- 2000-2004 **B.A., Department of Philosophy, University of the Philippines, Philippines**
- Awarded *Cum Laude*

RESEARCH EXPERIENCE

Research active for 5 years, with focus on applied ethics and empirical bioethics: the use of social science and deliberative research methods to examine the ethical, legal and social issues raised by emerging technologies/practices in health.

2020-present **Research Fellow, Australian Centre for Health Engagement, Evidence and Values, University of Wollongong**

Project 1: Operationalising data diversity in big data and artificial intelligence, 2023 to present

- Role: Project lead of a five-member team funded by a university grant
- Theoretical concepts and frameworks: Datafication, Postcolonial/Decolonial Theory, Feminist Bioethics, Disability Bioethics, Philosophy of Race, Social Justice

Project 2: gEnomics4newborns Research Project, 2024 to present

- This project is funded by the Australian Medical Research Future Fund
- Role: Research fellow supporting the work package on societal perspectives about the inclusion of genomic sequencing for the Australian newborn bloodspot screening programs
- Theoretical concepts and frameworks: Public Health Ethics, Deliberative Democracy

Project 3: Ethics of artificial intelligence-driven beauty apps

- Role: Project lead of a three-member team that conducted an online experimental survey to evaluate public perspective about beauty apps with artificial intelligence capabilities
- Theoretical concepts and frameworks: Self-objectification Theory, Intersectionality, Body Image Research, Theories of Well-being

Project 4: The Algorithm Will See You Now: The Ethical, Legal and Social Implications of Adopting Machine Learning Systems for Diagnosis and Screening, 2020-2023

- This project is funded by the National Health and Medical Research Council (Ideas Grant 1181960, 2020-2023)
- Role: Research fellow responsible for the overall coordination of the project, directly supporting the lead investigator (Prof Stacy Carter)
- Skills: Conducting a qualitative interview study, a discrete choice experiment, dialogue groups, and a citizens’ jury; use of the Ethical, Legal and Social Issues approach; use of analytical frameworks including Grounded Theory, Reflexive Thematic Analysis
- Theoretical concepts and frameworks: AI ethics, Medical Epistemology, Ethics of Innovation, Empirical Bioethics

PROFESSIONAL AND INDUSTRY EXPERIENCE

- 2022-present Consultant, Human Research Ethics Committee, Bellberry Limited, Australia
- Responsibilities include reviewing research applications that require expertise in ethics of artificial intelligence, ethics of public health, and ethics of cosmetic surgery
 - Bellberry is a national, independent and not-for-profit organisation that provides scientific and ethical review of human research projects in Australia
- 2018-2022 Administrator, Macquarie University's Centre for Agency, Values and Ethics (renamed as Ethics and Agency Research Centre)
- Responsibilities include managing the Macquarie University's Centre for Agency, Values and Ethics, organising executive committee meetings, managing funds and funding allocations, organising events such as workshops and seminars, organising flights and accommodation of visiting scholars
- 2010-2013 Medical Editor, UBM Medical, Makati, Philippines
- Responsibilities included delegating topics to writers, proofreading articles, liaising with advertisers, and managing three monthly publications.

EXTERNAL ACADEMIC SERVICE

- 2020-present Reviewer for numerous journal outlets, including *Medical Humanities, Social Science and Medicine, The Lancet, PloS One, Nature Medicine, International Journal of Medical Informatics, BMJ Open, and BMC Medical Ethics*
- 2024-present Editor in chief, *Research Ethics* journal (SAGE Publishing)
- 2025 Guest Editor, Special Collection on Ethical Issues in the Application of Artificial Intelligence to Health and Medicine (ongoing, deadline October 2025), *BMC Medical Informatics and Decision Making*

TEACHING EXPERIENCE

Teaching administration

- 2023-present Coordinator, Honours Program, School of Social Sciences, University of Wollongong
- Responsibilities include designing modules, collating resources, and mentoring Honours students; attending the School Teaching and Learning Committee; coordinating examiners/assessors; implementing access plans for students requiring additional support; managing online Moodle site

Research Supervision

- 2020-present PhD Supervision: Associate supervisor for a PhD project examining different methodological approaches for engaging publics in research about artificial intelligence in healthcare
- 2023 Honours thesis: Primary supervisor for an Honours thesis that involved a scoping review of literature on body dissatisfaction as a public health issue
- 2021 Master of Public Health: Co-supervisor for a final year thesis examining anti-microbial resistance

Postgraduate teaching

SELECT PUBLICATIONS

Refereed journal articles (n=22)

- 2025
1. Starke, G., F. Gille, A. Termine, Y. S. J. **Aquino**, R. Chavarriaga, A. Ferrario, J. Hastings, K. Jongasma, P. Kellmeyer and B. Kulynych et al (2025). "Finding Consensus on Trust in AI in Health Care: Recommendations From a Panel of International Experts." *Journal of medical Internet research* 27: e56306.
 2. Lekadir, K., A. F. Frangi, A. R. Porras, B. Glocker, C. Cintas, C. P. Langlotz, E. Weicken, F. W. Asselbergs, F. Prior and G. S. Collins et al. (2025). "FUTURE-AI: International consensus guideline for trustworthy and deployable artificial intelligence in healthcare." *bmj* 388.
- 2024
3. **Aquino**, Y. S. J., W. A. Rogers, S. L. S. Jacobson, B. Richards, N. Houssami, M. E. Woode and S. M. Carter (2024). "Defining change: Exploring expert views about the regulatory challenges in adaptive artificial intelligence for healthcare." *Health Policy and Technology*.
 4. Carter, S. M., Y. S. J. **Aquino**, L. Carolan, E. Frost, C. Degeling, W. A. Rogers, I. A. Scott, K. J. Bell, B. Fabrianesi and F. Magrabi (2024). "How should artificial intelligence be used in Australian health care? Recommendations from a citizens' jury." *Medical Journal of Australia* 220(8): 409-416.

5. Frost, E. K., R. Bosward, Y. S. J. **Aquino**, A. Braunack-Mayer and S. M. Carter (2024). "Facilitating public involvement in research about healthcare AI: A scoping review of empirical methods." *International Journal of Medical Informatics*: 105417.
6. **Aquino**, Y. S. J. and S. Carter (2024). "Adaptive Medical Machine Learning Models Should Not Be Classified as Perpetual Research, but Do Require New Regulatory Solutions." *The American Journal of Bioethics* 24(10): 82-85.
- 2023
7. **Aquino**, Y. S. J., S. M. Carter, N. Houssami, A. Braunack-Mayer, K. T. Win, C. Degeling, L. Wang and W. A. Rogers (2023). "Practical, epistemic and normative implications of algorithmic bias in healthcare artificial intelligence: a qualitative study of multidisciplinary expert perspectives." *Journal of Medical Ethics*.
8. **Aquino**, Y. S. J., W. A. Rogers, A. Braunack-Mayer, H. Frazer, K. T. Win, N. Houssami, C. Degeling, C. Semsarian and S. M. Carter (2023). "Utopia versus dystopia: professional perspectives on the impact of healthcare artificial intelligence on clinical roles and skills." *International Journal of Medical Informatics* 169: 104903.
9. **Aquino**, Y. S. J., S. Carter and C. Degeling (2023). "Not All Publics Are the Same—A Note on Power, Diversity, and Lived Expertise in Public Deliberation." *The American Journal of Bioethics*(<https://doi.org/10.1080/15265161.2023.22>).
10. **Aquino**, Y. S. J. (2023). "Making decisions: Bias in artificial intelligence and data-driven diagnostic tools." *Australian Journal of General Practice* 52(7): 439-452.
11. Carter, S. M., L. Carolan, Y. S. J. **Aquino**, H. Frazer, W. A. Rogers, J. Hall, C. Degeling, A. Braunack-Mayer and N. Houssami (2023). "Australian women's judgements about using artificial intelligence to read mammograms in breast cancer screening." *Digital Health* 9: 20552076231191057.
12. Frost, E. K., P. O'Shaughnessy, D. Steel, A. Braunack-Mayer, Y. S. J. **Aquino** and S. M. Carter (2023). "Measures of socioeconomic advantage are not independent predictors of support for healthcare AI: subgroup analysis of a national Australian survey." *BMJ Health & Care Informatics* 30(1): e100714.
13. Vo, V., G. Chen, Y. S. J. **Aquino**, S. M. Carter, Q. N. Do and M. E. Woode (2023). "Multi-stakeholder preferences for the use of artificial intelligence in healthcare: A systematic review and thematic analysis." *Social Science & Medicine* 338: 116357.
- 2022
14. **Aquino**, Y. S. J., N. Cabrera, J. Salisi and L. E. Yarcia (2022). "Monkeypox and the legacy of prejudice in targeted public health campaigns." *BMJ Global Health* 7(10): e010630.
15. Frost, E. K., R. Bosward, Y. S. J. **Aquino**, A. Braunack-Mayer and S. M. Carter (2022). "Public views on ethical issues in healthcare artificial intelligence: protocol for a scoping review." *Systematic Reviews* 11(1): 142.
16. **Aquino**, Y. S. J., W. A. Rogers, J. L. Scully, F. Magrabi and S. M. Carter (2022). "Ethical guidance for hard decisions: a critical review of early international COVID-19 ICU triage guidelines." *Health Care Analysis* 30(2): 163-195.
17. **Aquino**, Y. S. J. (2022). "Pathologising Ugliness: A conceptual analysis of the naturalist and normativist claims in 'aesthetic pathology'." *Journal of Medicine and Philosophy*(6).

MEDIA AND PUBLICITY

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| 2024 | <ol style="list-style-type: none"> 1. Co-author, "Some clinicians are using AI to write health records. What do you need to know?", <i>The Conversation</i>, 5 September 2024 2. Guest, "Pathologising Ugliness - Surgery Secrets: Beauty's Dark Side Podcast - E9", Podcast episode hosted by Operation Redress, 12 February 2024 |
| 2023 | <ol style="list-style-type: none"> 3. Co-author, "Artificial intelligence is already in our hospitals. 5 questions people want answered", <i>The Conversation</i>, 30 November 2023 4. Expert source, "A deep dive into the many ethical questions raised by celebrity before-and-after surgery content on Instagram", reported by Yasmin Jeffrey, ABC News, 28 September 2023 5. Guest, "The Pathology of Ugliness", ABC Radio National's The Philosopher's Zone, 8 September 2023 |
| 2022 | <ol style="list-style-type: none"> 6. Expert source, "A damaging obsession", reported by Anna Kelsey-Sugg and Siobhan Marin, ABC News, 3 June 2022 |