

CURRICULUM VITAE - Summary

Prof Payal Mukherjee

Clinical Professor – Macquarie University

Clinical Associate Professor – Sydney University

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QUALIFICATIONS:

2001	Undergraduate	MBBS – University of NSW
2009	Fellowship	FRACS (Fellow of the Royal Australasian College of Surgeons: Otolaryngology and Head and Neck Surgery)
2010	Higher Degree	MS (Masters of Surgery by Research – University of Sydney)
2020	PhD	University of Sydney

CURRENT APPOINTMENTS:

Clinical

Appointments	VMO	Macquarie Hospital, Chris O'Brien Lifehouse, RPA Hospital, Sydney Adventist Hospital,
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Academic

2015	RPA Institute of Academic Surgery	Surgical Innovation lead - RPA Hospital
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Leadership/Professional

2022- Current	Committee	Member	TGA – Advisory Committee for Medical Devices
2022-Current	Committee	Member	NSW Ministry of Health: Medical Devices Fund, OHMR
2020-Current	Committee	Member	NSW Ministry of health: Surgical Care Network, Agency for Clinical Innovation
2023-Current	Chair		Research and Evaluation, ASERNIPS (RACS)
2020-Current	Deputy Chair		Section of Academic Surgery, RACS
2021-Current	Head of Department		Sydney Adventist Hospital

Recent Roles

2020-2022	Chair	RACS NSW State Committee
2020-2022	Deputy Chair	Collaborative Hospital Audit of Surgical Mortality
2018-2021	Advisory role	NSW health: Expert Advisory Group into 3D printing
2019-2020	Advisory role	Australian commission of safety and quality in Health Care: 4 th Atlas of ENT variance

RESEARCH CONTRIBUTION:

Key Themes and Collaborations

1. Key Diseases: Ear Bionics, Cochlear Implants, Meniere's Disease, Microtia
2. Key Collaborations: Dr Chris Pastras, A.Prof Mohsen Asadnia, Prof Gordon Wallace (Bioprinting), Dr Johnson Chung, Prof Jonathan Clark (3D Printing), Prof Hamish Macdougall

Awards

1. Leadership as a Woman in Surgery: RACS NSW 2022
2. Michael Donnellan Award : Exceptional Leadership in crisis: RACS NSW 2022
3. Finalist: Eureka Prize for Interdisciplinary research - Australian Museum Science Awards 2022
4. Finalist: NSW Premier's Award for Woman of the year 2019
5. Finalist – Indian Australia Professional of the year 2018

Career Publication History (2 years post PhD): 67 Journal Articles, 1 Book Chapter, 1 Thesis, 881 citations (google scholar), H-Index-18, i-Index 28, 56 Keynote/Invited talks, 25 Oral Presentations (Abstract submission), 15 Posters, 50 Convenor or Chair of academic meetings.

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Peer Review: Editorial Board AJO, Guest Editor - Frontiers Surgery (Impact factor 2.5) and Frontiers Oncology (Impact Factor 6.54), Guest reviewer – 7 Journals

Grants: Total >12.5M in peer reviewed grants plus >1M Institutional support

Research funding last 5 years:

2024: Cochlear Foundation: Developing ANZ guidelines for Cochlear Implants

2024: Chris O'Brien Lifecare: AI enhanced CT analysis of healing in jaw reconstruction

2023: NHMRC Ideas grant: HearHealth: a co-designed online support service for consumers with hearing loss

2023: Passe Williams Conjoint Grant: Bioprinted ADSC for engineering vascularised bone tissue

2023: Macquarie University Research Infrastructure scheme: Harnessing dopplers to characterise dynamic effect on materials and dynamic systems

2022: MRFF: Stem cell Missions grant : ARISTOCRAT program: 3D bioprinting in cartilage regeneear and knee diseases

2022: Chris O'Brien Lifecare Cancer research award: – Virtual Planning using Virtual Reality

2022: NSW Health and Medical Research Sponsorship Program

2021: Chief Investigator: Garnett Passe and Rodney Williams Memorial Foundation and Sydney LHD: Beyond Science ENT: Statewide Surgeon Innovators program.

2021: Chief Investigator: MTP Connect: REDI fellowship Industry exchange

2020: Associate Investigator: MRFF Stem Cell Therapies 2020: Optimising a preclinical model for bioprinting skin aimed at repairing skin loss in patients.

2020: Chief Investigator: Grace Kathleen Bequest Research Grant: Meniere's Disease

2019: Chief Investigator: DFAT: Australia-India Council: 3D printing, Bioprinting and AI for microtia

2019: Chief Investigator: Sydney Medical School: Herpes Viral titres in Meniere's patients

2017-2020: Associate Investigator: GPRWMF Conjoint Grant: Measuring Vestibular Sensitivity

Top 5 Publications CI Mukherjee is a translational researcher. The following papers show her interdisciplinary collaborations and expertise ranging from policy to basic science research (both animal and temporal bone)

- Policy:** Mukherjee P, Khadra M, Merrett N, Rawtron E, Richardson A, Sutherland K, Levesque Jean-Frederic. Value Based Care in Surgery – Implications in Crisis and Beyond. ANZ Journal of Surgery. [10.1111/ans.17501](#) (Led to state-wide webinars between RACS NSW and ACI NSW to improve efficiency and cost of surgery)
- Regulatory:** Mukherjee P, Clark J, Wallace G, Cheng K, Solomon M, Richardson A, Maddern G. Discussion paper on proposed new regulatory changes on 3D technology: A Surgical Perspective. ANZ Journal of Surgery. 2019; 89: 117-121 (Led to formation of Expert Advisory group on 3D printing by NSW Health)
- Health Economics:** Mazzola F, Smithers F, Cheng K, Mukherjee P et al. Time And Cost-Analysis Of Virtual SurgicalPlanning For Head And Neck Reconstruction: A Matched pair Analysis. Oral Oncol.2020 Jan;100:104491 (FWCI 4.81 from the highest impact head and neckcancer journal)
- Animal Research:** Mukherjee P, Chung J, Cheng K, Gupta R, Haag H, Williams Z, Wallace G. Invitro and invivo study of PCL-Hydrogel scaffold: degradation pattern and biological response. Journal of Craniofacial Surgery. 2021, 32(5):1931-36 (1st published sheep animal model in microtia research)
- Temporal Bone:** Mukherjee P. Cheng K. Grieve S. Chung J. Solomon M. Wallace G. Precision medicine in ossiculoplasty surgery. Otology & Neurotology. 2021; 42(2): e177-e185 (Key prior work for this proposal)

TEACHING CONTRIBUTION:

Student Supervision

Degree	PhD	Masters	MD	Mphil	Honours	Engineering
Completed	1	1	6	3	3	11
Current	1			3		