



Supervisor Code	Project Code	Supervisor	Higher Degree Research Projects	HDR Course
0001	a	Prof Mark Gillies; Dr Ting Zhang	Targeting human Muller cells to prevent retinal fibrosis	Honour, Mphil, PhD
0001	b	Prof Mark Gillies; Dr Ting Zhang	Targeting retinal metabolism to treat macular diseases	Honour, Mphil, PhD
0001	c	Prof Mark Gillies; Dr Ling Zhu	Preclinical study of delivering RNA-LNPs to treat retinal degeneration	Honour, Mphil, PhD
0001	d	Prof Mark Gillies; Dr Ling Zhu	Macula-on-a-Chip: a novel drug screen and development platform.	Honour, Mphil, PhD
0002	a	Dr Chris Hodge	Developing an AI based model to guide surgery	N/A until late 2023
0003	a	Dr Yves Kerdraon	Development of a wearable eye-rubbing detector	TBC upon application
0003	b	Dr Yves Kerdraon	Prevalence of keratoconus in cataract patients	TBC upon application
0004	a	Prof Frank Lovicu	Growth factor-induced lens cell proliferation and differentiation regulating ocular lens development and growth.	MPhil, PhD
0004	b	Prof Frank Lovicu	Identifying the mechanisms regulating aberrant lens cell behaviour that lead to cataract and blindness.	MPhil, PhD
0005	a	A/Prof Michele Madigan; Dr Max Conway	Developing novel treatments for uveal melanoma	Mphil, PhD
0005	b	A/Prof Michele Madigan; Dr Max Conway	Novel imaging studies for early diagnosis of ocular squamous surface lesions	Mphil, PhD
0006	a	Dr Constantinos Petsoglou	Development of a culture system to transplant corneal endothelial cells	Mphil
0006	b	Dr Constantinos Petsoglou	Outcomes of amniotic membrane transplant in the NSW Tissue Bank	Mphil
0007	a	Prof Matthew Simunovic	Optogenetics for vision restoration	Mphil, PhD
0007	b	Prof Matthew Simunovic	Predicting function from structure in medical & surgical retinal diseases	Mphil, PhD
0008	a	Prof Stephanie Watson; Dr Himal Kandel	Evaluation of quality of life impact of dry eye disease	Mphil, PhD
0008	b	Prof Stephanie Watson; Dr Himal Kandel	Evaluation of quality of life impact of corneal disorders	Mphil, PhD
0008	c	Prof Stephanie Watson; Dr Himal Kandel	Developing innovative biomaterials for corneal repair	Mphil, PhD
0008	d	Prof Stephanie Watson; Dr Himal Kandel	World-first registries collecting treatment outcomes for corneal diseases	Mphil, PhD
0008	e	Prof Stephanie Watson; Dr Himal Kandel	Improving outcomes for patients with corneal infection	Mphil, PhD
0008	f	Prof Stephanie Watson; Dr Himal Kandel	IGATES Registry: Ocular trauma in Australia	Mphil, PhD
0009	a	Dr Jingjing You	Bioengineering cornea to be used for corneal transplantation	Mphil, PhD
0009	b	Dr Jingjing You	Development of collagen based delivery system for drug and cell delivery	Mphil, PhD
0009	c	Dr Jingjing You	Development of a novel tear based detection platform for disease diagnosis	Mphil, PhD

Course Details

Masters of Philosophy (MPhil Medicine and Health)

Faculty/University School: Faculty of Medicine and Health

Study mode: Research

Location: Camperdown/Darlington/Westmead and any affiliated hospital or institution

Graduate Qualities

Duration full time: 1 to 2 years full time equivalent for domestic and international students

Duration part time: 2 to 4 years part time

Doctor of Philosophy (PhD Medicine and Health)

Faculty/University School: Faculty of Medicine and Health

Study mode: Research

Location: Camperdown/Darlington/Westmead campus and any affiliated hospital or institution

Graduate Qualities

Duration full time: 3 to 4 years full time equivalent for Domestic and International students

Duration part time: 6 to 8 years part time