

## 2024 RMP Summer Student Program Positions

			Proposed
Supervisor(s)	Project Title	Duration	Start Date
	Paediatric Radiation Research: Proton Therapy		
	Comparative Service & Paediatric Radiation		
Derek Tsang	Registry	CLOSED	CLOSED
	Investigating the association between lifetime		
	cannabis exposure and prostate cancer incidence:		
Tara Rosewall	a case-control study.	CLOSED	CLOSED
	Clinical and translational correlatives of small cell		
Benjamin Lok	lung cancer	CLOSED	CLOSED
	Option B: Optimizing Patient Tattoo and Ink-mark		
Jennifer Croke	Options in Breast Radiotherapy	CLOSED	CLOSED
	MR-guided biomarker-driven adaptive prostate		
Jeff Winter	radiation therapy on the integrated MR-Linac	CLOSED	CLOSED
Andrew McPartlin	Prevention of xerostomia following Head and	CLOSED	CLOSED
	Neck Radiotherapy		
	Investigation of the link between patient-related	CLOSED	CLOSED
Hedi Mohseni	factors and treatment outcomes in		
	radiopharmaceutical therapy in patients treated		
	with Lu177- DOTATATE		
	Dosimetric comparison of the effect of supine and	CLOSED	CLOSED
Hedi Mohseni	prone treatment positions in pre-operative rectal		
	cancer treatment		
	<b>Project:</b> Modelling the impact of lymphocyte	3 months	6/1/2024
	irradiation during radiotherapy		
	Summer student deliverables:		
	- Develop an auto-contour model for carotids and		
	potentially other lymphatic structures.		
	- Collect the plan-specific factors described above		
	and develop a model to predict RIL during RT.		
	Prospective validation of this model and		
	correlations with tumour control metrics will be		
	undertaken as a future project. It is anticipated		
	this work will be presented at international		
	conference and in full paper format.		
	- Identification of a predictive model of RIL is		
	intended to enable RT plan optimisation to		
	minimize incidence of lymphopenia and improve		
	outcomes in HNC patients at Princess Margaret		
Edward Taylor	Cancer Centre. Future work in collaboration with		
edward toulor Outro	therapy will focus on the feasibility of optimising		
euwaru.tayior@unn.ca	KT plans to achieve this.		
Vickie Konz	Assessing and comparing the resource utilization	CLOSED	CLOSED
VICKIE KONg	between non-adaptive and an adaptive		
Catarina Lam	Potorral Process Accordment & Denshmarking		
Loigh Conroy	Design and Development of a Programmeble		
Leigh Conroy	Design and Development of a Programmable	CLOSED	CLOSED



	Motion Phantom for Cardiac Radioablation Studies		
Srini Raman	MRI – characterization of prostate volume	CLOSED	CLOSED
	changes and seed displacement after LDR		
	brachytherapy for prostate cancer		
Srini Raman	Comprehensive Evaluation of an Automated	CLOSED	CLOSED
	Radiotherapy Scheduling Platform		
Rachel Glicksman	Dosimetric predictors of toxicity in		
	hypofractionated prostate radiotherapy	CLOSED	CLOSED