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Full Reference: **Sebastian P A Rosser,** Samiuela Lee, Shruti Kohli, Steven J Keogh, Jason Chung, Tracey O'Brien, Christopher Fraser, Andrew J McLachlan, Peter J Shaw, Christa E Nath; *Evaluation of treosulfan exposure in children by population pharmacokinetics and dosing simulations*
Presentation Type: Poster presentation

It was wonderful meeting everyone who had a passionate interest in cancer research. Here I am standing with Toni Jue, a postdoctoral researcher at the Children's Cancer Institute. It was a delight to share my results with her.
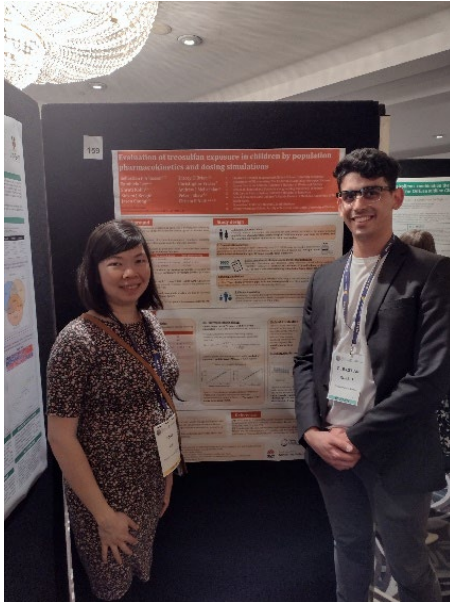
The NSW Cancer Conference was a great experience for me both personally and professionally. On a personal level, I was fascinated with the broadness of topics presented over two days, from the large-scale projects focussing on systematic shifts in healthcare point of care services to the impacts of gene therapies on tumour progression and the patterns that emerge in specific patient cohorts. The conference was beneficial for my professional development as I was able to meet and network with an assortment of people who are all in various fields of cancer research. Learning about other people's research that is on the forefront of cancer innovation was an eye-opening experience which I am excited to be a part of.

Of particular interest to me was the presentation by Dr Robert Finnegan, who presented work on patient-specific, AI-based cardiac modelling for radiotherapy risk assessment. His talk focussed on using deep learning algorithms to build an accurate and reliable model of the heart to minimise the risk of targeting healthy tissue when providing radiotherapy to patients. It hadn't crossed my mind that when treating tumours with radiotherapy near the cardiac area, the heart itself is at an increased risk of heart disease or heart-related mortality. I find deep learning and AI-based technologies a valuable tool which I believe has great potential in the field of cancer research, so I found Dr Finnegan's work highly informative.

My take home message from this conference was that the field of cancer research is multi-faceted in its complexity, being both highly broad and highly dense, yet it is wonderful to see how passionate people are about the work being done around eliminating this disease.