

SPOR Evidence Alliance Seed Grant Impact Story



Lead:

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Project Supervisor:

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Project:

Co-creating in-hospital physical activity programming to enhance health for children during treatment for cancer

What key learnings did your seed grant funded project reveal?

- We spoke to 11 international experts from 6 countries and learned about their perceived barriers and facilitators to implementing physical activity during treatment for children with cancer and blood disease. Key findings included a range of interpersonal, organizational, and community factors to consider and a process map for implementation.
- We then spoke with 16 local health care providers and learned about their perceived barriers and facilitators to implementing physical activity during treatment and refined the process map. Results included a range of suggestions for physical activity delivery (i.e., by video-conference) and a refined process map.

How will your findings benefit the health research environment?

- These findings directly informed the development of a physical activity intervention and our ongoing funded (Canadian Institutes of Health Research and Arnie Charbonneau Cancer Institute [award

funded by the Kids Cancer Care Foundation of Alberta]) hybrid effectiveness-implementation trial.

How did you disseminate your findings?

- We have disseminated our findings thus far via national and international conferences and presentations.
 - i.e., KT Canada Summer Seminar Series 2020; Canadian Association of Psychosocial Oncology 2021; International Society of Pediatric Oncology 2021; Pediatric Exercise Oncology Congress 2023.

What influences did the seed grant opportunity have in your subsequent research endeavours?

- This funding enabled us to gather data that directly informed the development of a physical activity intervention that is being evaluated in a CIHR- and KCC-funded trial.



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What successes and milestones did the opportunity help you realize in your professional development?

- This was among my first successful grant applications as a Principal Investigator (PI). Receiving this funding undoubtedly helped me secure further seed and project funding as a PI and co-PI. Indeed, since receiving this funding, I have secured 8 additional grants as a PI, 3 as a co-PI, and 4 as a co-investigator.
- This funding also enabled me to gather invaluable data that directly informed an innovative trial that has received international attention, particularly through the International Pediatric Exercise Oncology Group, who invited me to deliver an early career investigator talk on the trial that was informed by this seed funding.



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