***Ontario Advisory COVID-19 Science Table:*** I have been a member in a team of 40+ scientists since the inception of the Ontario Advisory COVID-19 Science Table and I have contributed to many science briefs to facilitate the decision making of Ontario government. The Science Table meets twice a week, where we present our findings related to the COVID-19 pandemic. The pandemic initiated a data revolution in terms of the amount of data, their depth, and the velocity that the information is released to the public. Helping Dr. Jüni and the other scientists to sort, filter, synthesize and analyze that information was a big commitment from myself and I deem that it had significant contribution in saving and protecting thousands of lives across Canada. Despite my full schedule, my postdoctoral training and all my research activities my selection to work on the Ontario COVID-19 Science Advisory Table was completely voluntarily (unpaid). As of now, I continue to work for the Science Table and contribute significantly to inform policy in the province of Ontario.

***Physiotherapy Advocates of Canada (PTAC):*** As of today, Canadian, and international physiotherapy graduates have no clear license pathway to practice independently. To help the regulators and inform their policy I designed and conducted a study in a timely manner to understand whether there is value in the physiotherapy clinical exams. My research found that clinical exams for physiotherapy national licensure is not supported by the research evidence or international practices. The Physiotherapy Advocates of Canada (PTAC) was born out of an urgent need to get our Physiotherapists (PTs) licensed in Canada, but the intention and vision is long term: to advocate for a better future — for all PTs, stakeholders, and ultimately the patients that we serve. As a founding member of PTAC, my mission is to consider the profession’s most pressing issues, to work on those issues directly and immediately, to account for resources used, to recognize and utilize privilege wherever possible, and to seek out and elevate marginalized perspectives and lived experiences other than our own.

***Operating Grant: Knowledge Synthesis: COVID-19 in Mental Health & Substance Use – Leading Author:*** I have taken the leading role in developing and delivering this research project by managing a large cohort of people in a timely manner. As the leading author in this research project, I am the chair in bi-weekly meetings with the other co-investigators to discuss the plans for moving the project forward. More specifically, my role is to facilitate consultations for electronic searches with the librarian and to train and supervise graduate students for data extraction. My role is also to lead our integrated KT (iKT) plan and engaging members of two patient engagement committees: one from our clinical site (HULC-PEEPS) and the other from The Chronic Pain Network. Our iKT includes iterative engagement to translate evidence into recommendations for future creation of patient-centred, evidence-informed, virtual biopsychosocial interventions for complex musculoskeletal (MSK) chronic pain. This CIHR grant project will be a steppingstone to integrate tele-rehab and remote interventions in clinical practice.

***Global Research Study for COVID-19 pandemic:*** My research aimed to determine whether epidemic growth is globally associated with climate or public health interventions (PHI) intended to reduce transmission of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). Back in March 2020, many countries were considering when to lift social restrictions to try and slow the spread of COVID-19. These decisions were made with a noticeable lack of evidence of the effectiveness of restrictive PHI, and in some jurisdictions with a belief that the COVID-19 pandemic will slow as the northern hemisphere season moves into spring and warmer weather. My research included 144 geopolitical areas with 375,609 cases and provided evidence that: Climate or season, measured by latitude and temperature, has no effect on the epidemic growth phase of COVID-19 epidemics. Restrictions of mass gatherings, school closures and physical distancing were consistently and strongly associated with reduced COVID-19 epidemic growth rates. This study was meant as a prospectively designed early response to the COVID-19 pandemic, providing first evidence to inform decision making and inform policy change globally. This article published on May 8, 2020 and since then has been downloaded >50,000 times, cited >195 and received media attention worldwide such as The New York Times. My study was the first ecological study to support the importance of public health measures and was adopted globally.

***Canadian Physiotherapy Association – Pain Science Division Committee:*** In 2018, I was appointed as the new executive communication liaison of the Pain Science Division with the Canadian Physiotherapy Association which I served successfully for 2 consecutive years. My role there was to serve physiotherapists who have an interest in better understanding and managing pain and in connecting with likeminded clinicians, educators and researchers. Our strategic goal in the Pain Science Division was to help advance the level of pain education across the country. Pain is a multi-faceted and complex experience that warrants careful consideration and reflection by both entry-level physiotherapy students and experienced clinicians. My goal was to address this issue from a multi-pronged perspective. In addition to providing clinicians with opportunities for professional development my aim was to be in close communication with university-level educators and clinical specialization regulators. As an executive member one of my goal was to initiate and facilitate discussions about pain education with representatives from Canadian entry-level physiotherapy programs.