

Dr. Karen Colwill is a Staff Scientist at the Lunenfeld-Tanenbaum Research Institute (LTRI) and Manager of the Network Biology Collaborative Centre (NBCC, nbcc.lunenfed.ca), a national platform providing functional proteomics and genomics services. She has a strong background in molecular biology and proteomics having trained with Dr. Tony Pawson at the LTRI for her PhD and with Dr. Brenda Andrews at the University of Toronto for her post-doctoral work. After her academic studies, she gained industrial experience at MDS-Proteomics where she managed a team dedicated to cell biology and protein purification for mass spectrometry. At the LTRI since 2002, she has managed several large-scale proteomics projects including a study identifying kinases involved in TRAIL-mediated apoptosis (published in *Science Signaling*) and a multi-site evaluation of renewable antibodies (published in *Nature Methods*). She has also contributed to the development and maintenance of laboratory information management systems (LIMS) including OpenFreezer to track reagents, ProHits for mass spectrometry analysis, and CoreFlow, a pipeline for integrating and analyzing biological data. Karen has received training as a project manager and has managed several large-scale, multi-Investigator grants with combined budgets > \$70M. As the NBCC manager, she is responsible for facility oversight and sustainability, reporting to funding agencies, meeting with clients and project planning. Working closely with the Centre Directors' Drs. Jeff Wrana and Anne-Claude Gingras, Karen is also actively coordinating new technology development from initial concept to delivery of standardized procedures available to users of the Centre.



Publications:

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