



NANCY TOUT, Ph.D

Senior Advisor

Value Proposition

Nancy is an accomplished scientific executive with over 25 years of leadership in agricultural research, innovation strategy, and science policy. Her career spans the private, public, and not-for-profit sectors, where she has led large multidisciplinary teams, shaped research investment strategies, and delivered measurable results for producers, governments, and industry partners. As a former Chief Scientific Officer and R&D executive, Nancy brings deep experience in aligning scientific research with commercial goals and public priorities. She has directed multi-million-dollar research portfolios, developed policy and regulatory frameworks, and provided thought leadership in science communication, regulatory affairs, and public-private collaboration. With a Ph.D. in Microbiology and Immunology, Nancy combines scientific credibility with strategic vision, supporting organizations in advancing innovation, accelerating commercialization, and navigating complex regulatory landscapes. She is a trusted advisor to Boards, funders, and research institutions committed to shaping the future of agri-food and life sciences in Canada and beyond.

Selected Achievements

- Served as Chief Scientific Officer for the Global Institute for Food Security, providing scientific leadership, aligning research strategy with institutional goals, and accelerating delivery of agri-food innovations.
- Directed the R&D and technical regulatory functions at Syngenta Canada, leading a national team of 60+ scientists and managing multiple research stations, farms, and labs across Canada.
- Oversaw a \$37 million portfolio at RDAR, delivering public-private research funding aligned with Alberta's agricultural priorities and collaborating with producers, researchers, and industry.
- Advised on national agri-innovation programs and led funding reviews for initiatives such as the Genomic Applications Partnership Program (Ontario Genomics).
- Spearheaded successful integration and oversight of regulatory science, HSE, and government affairs within multinational crop science operations.
- Led policy and advocacy efforts to advance diversity, equity, and inclusion within scientific organizations and chaired multiple partnership and advisory Boards.

Experience

- Global Institute for Food Security (GIFS): Chief Scientific Officer
- Results Driven Agriculture Research (RDAR): Research Program Officer
- Syngenta Canada Inc.:
 - Head, Research & Development
 - Diversity & Inclusion Sponsor
 - Technical Registration Manager, Residue Chemistry
 - Technical Registration Manager, Dietary Exposure
 - Biotechnology and Registration Specialist
- University of Guelph: Post-Doctoral Research Fellow

Qualifications

- Ph.D (Microbiology & Immunology) - University of Guelph
 - National Science Engineering Research Council, Medical Research Council Post-Graduate Scholarship Winner throughout my post-graduate degree program.
- B.Sc. (Honours Biology) - Wilfred Laurier University
 - Convocation Gold Medal Award Winner; 4-Year Full Scholarship

