Dr. Erland received her Master’s degree from UBC Kelowna with Dr. Soheil Mahmoud, and her PhD in 2019 from the University of Guelph with Dr. Praveen Saxena, where she worked on the roles of melatonin and serotonin in regulating plant development. Her postdoctoral research has expanded upon this work using metabolomics and imaging approaches to understand how plants sense and respond to their environment, in particular under conditions of biotic and abiotic stresses.

Dr. Erland has been a member of CSPB since 2014, during which time she has been actively involved in a diverse roles, including serving as interim chair of the communications committee in 2021.

Dr. Erland has an impressive publication record, with some twenty research papers, over half of which she was first author on. Her authority in the field is further highlighted by publication of five book chapters and five review articles.

Dr. Erland has extensive teaching experience, and has mentored students at the BSc, MSc, and PhD levels during her postdoc, and has also engaged in several science outreach programs.

She received an NSERC postdoctoral fellowship in 2019 for her postdoctoral research in the Murch lab at UBC Kelowna. Since beginning her postdoctoral research in 2019, she has received grants from a wide range of agencies, serving as principal investigator of three, and co-investigator on another four.

The CSPB/SCBV is very pleased to reward the Carl Douglas Prize to Dr. Erland for her important advances and leadership in plant biology.