

Dr. Loralie Langman



The CSCC is pleased to recognize the outstanding contribution of Dr. Loralie Langman to research in the field of clinical chemistry by honoring her with the 2015 CSCC Research Excellence Award.

Loralie has made many contributions to clinical chemistry but this award especially recognizes her research achievements in the areas of toxicology and TDM.

Although making her present home Rochester, Minnesota, Loralie comes from Canada and is an active member of the CSCC. She received both graduate and undergraduate degrees from the University of Alberta. She completed a BSc in Medical Laboratory Science and began work as a registered technologist in 1988. She continued to work as a lab tech at the University of Alberta Hospital, primarily second shift and weekends, while attending grad school. She completed her PhD degree under the supervision of Randy Yatscoff (who received the award for Research Excellence in 1996) in Laboratory Medicine and Pathology. Following completion of her PhD degree (1996) she continued her academic pursuits through completion of her clinical biochemistry training at University of Toronto diploma program (1999). During her post-doctoral studies she was mentored by David Cole who was the recipient of the Award for Research Excellence in 2002. Her training in Toronto well prepared her for eventual certification and fellowship in the CACB (2000). In addition to this, Loralie became trifold certified by the American Board of Clinical Chemistry in Clinical Chemistry (2000), Molecular Diagnostics (2002), and Toxicological Chemistry (2006); certified in Forensic Toxicology (2004) by the American Board of Forensic Toxicology; has achieved certification from the American Society of Clinical Pathologists Board as a Medical Technologist (since 1988); and holds bronze level certification by the Mayo Clinical Quality Academy (2014). Loralie's career as a clinical biochemist took her from the Department of Clinical Pathology at Sunnybrook Hospital in Toronto (1999-2000), to CJ Coady Associates in Surrey BC (2000-2004), and to the Division of Clinical Biochemistry and Immunology at the Mayo Clinic in Rochester Minnesota (2005-2007), where she currently holds the position of Director of Toxicology and Drug Monitoring Laboratory. Loralie has also remained very active in the work of several professional and laboratory medicine related bodies including IATDMCT (President-Elect), CLSI; American Academy of Forensic Sciences and American Board of Forensic Toxicology, AACC, ABCC, NACB, IFCC, and CSCC, to name a few.

Loralie holds the rank of Professor of Laboratory Medicine & Pathology at Mayo Clinic College of Medicine and her previous research activities have been recognized through many awards including CSCC Best Poster Award in 1995 and 2000, the Max E. Chilcote Young Investigator Award (AACC Upstate NY Section; 1999), the Young Investigator's Award (AACC, TDM/Tox Division; 2006), and the award for outstanding scientific Achievements by a Young Investigator (AACC 2007).

Loralie's research and academic standing is recognized through her role on the editorial board of well-established journals in our area. Loralie serves as a member of the editorial board and as Associate Editor for *Clinical Biochemistry* journal, and also serves as an editorial board member and Reviews Editor for *Therapeutic Drug Monitoring* journal. She also serves as Invited Reviewer in many other journals including *Clinical Chimica Acta*, *Journal of Forensic Sciences*, *Mayo Clinic Proceedings*, to name a few. Loralie's expertise in toxicology and TDM has resulted in numerous teaching and speaking opportunities at local, national, and international forums. She has more than 50 articles in peer-reviewed journals and at least 65 abstracts of work at scientific conferences. Furthermore, Loralie has to her credit 8 non-peer reviewed

articles on toxicology and drug related topics, jointly authored 5 books, has authored or co-authored 17 book chapters, has a commentary in *Clinical Biochemistry*, plus many other scholarly endeavors.

This brief overview does not do justice to Loralie's many remarkable accomplishments which, without hesitation, presents her as an obvious choice for recognition by the CSCC 2015 Award for Research Excellence.