



Developmental neurotoxicity: in vivo testing and interpretation

SCOPE OF THE TRAINING

- Overall, to gain an insight on the on in-vivo endpoints used in developmental neurotoxicity study.
- Increase knowledge; to help in the interpretation of complex in-vivo DNT endpoints.
- Help to identify the strengths and the weaknesses of the in-vivo DNT endpoints.
- USE the DNT NAFTA guidance developed by the technical working group on pesticides as a leading document.

<http://www.inchem.org/documents/ehc/ehc/ehc223.htm>

This is a series of lectures that EFSA has contracted out to Kevin Crofton

- **Dr. Kevin Crofton:** former research scientist at the US EPA for 38 years. Background in developmental neurotoxicology where he worked on the development, implementation and interpretation of regulatory testing methods for environmental contaminants. Currently he is a consultant with R3Fellows, LLC (Limited Liability Company).
- **Dr. Mary Gilbert:** is a research scientist at the US EPA where she has studied developmental neurotoxicity for the past 30 years. Her training is in neuroscience and she has used molecular, anatomical, neurophysiological and behavioral assessments to examine the effects of environmental chemicals on brain development and function.
- **Dr. Virginia Moser:** former research scientist at the US EPA for 33 years, and she now works as a private neurotoxicology consultant. Her background is in behavioral testing for the study of neurotoxic chemicals following both developmental and adult exposures in rats and mice. She worked on the development and interpretation of testing guidelines for the functional observational battery and developmental neurotoxicity and she was involved in the risk assessments of numerous pesticides and other environmental chemicals.

Schedule for lectures

Date*	Topic	Lecturer
10/22/20	Background on NAFTA guidance doc Clinical signs/FOB	Dr. Virginia Moser
11/19/20	Motor Activity	Dr. Kevin Crofton
12/10/20	Startle	Dr. Kevin Crofton
1/21/21	Learning and Memory	Dr. Mary Gilbert
2/25/21	Morphometrics	To be determined
3/25/21	Chemical Specific Discussion (to be determined)	To be determined
	Chemical Specific Discussion (to be determined)	To be determined

*All lectures will be held at 4:30pm Parma Time. And the dates and times can be adjusted as needed to best fit staff schedules