

Neurotoxicant Key Characteristics meeting on September 17 and 18, 2019
School of Veterinary Medicine, Building VM3B, Room 2003
1089 Veterinary Medicine Drive, University of California, Davis, CA

Participants and Group Assignment

A. Neurotoxicity

Aaron Bowman (Purdue)
Zhengyu Cao (China Pharmaceutical University)
Monica Carson (UC Riverside)
Pamela Lein (UC Davis) (Co-Chair)
Bill Slikker (US FDA NCTR)

B. Developmental Neurotoxicity

David Bellinger (Harvard)
Brenda Eskenazi (UC Berkeley)
Ellen Fritsche (IUF, Düsseldorf)
Jean Harry (NIEHS)
Thomas Hartung (Johns Hopkins) (Co-Chair)
Tim Shafer (USEPA)

Martyn Smith (UC Berkeley), Lauren Zeise (CalEPA)

Agenda:

Tuesday September 17; 9 AM – 5:00 PM, 2003 VM3B

8:30 AM Breakfast, VM3B 2003

9:00 AM **Introduction**

Welcome to Davis and Logistics – Pamela Lein (10 min)
The Key Characteristics (KC) Approach – Martyn Smith (20 min)
California Perspective – Lauren Zeise (10 min)
Schedule for the Day and Expectations – Martyn Smith (5 min)

9:45 AM **Session 1**

Discussion of issues related to neurotoxicity and impact on KCs – Timing of exposure, acute vs, chronic effects etc. – Pamela Lein, leader (15 min)
Possible key characteristics of neurotoxicants – Pamela Lein (15 min)
Group Discussion (15 min)

10:30 AM Break

10:45 AM **Session 2**

Possible key characteristics of developmental neurotoxicants – Thomas Hartung (15 min)
Group Discussion (15 min)

11:15 AM **Breakouts**

A. Neurotox (VM3B 2003, Lein, Chair) - Develop a list of known neurotoxicants
B. DNTs (VM3B 3003, Hartung, Chair) – Develop a list of knowns DNTs

12:00 PM **Catered Lunch, VM3B 2003**

- 1:00 PM **Breakout** groups reconvene
A. Neurotox (VM3B 2003) - Discuss list of possible KCs in relation to list of known neurotoxicants
B. DNTs (VM3B 3003) – Discuss list of possible KCs in relation to list of known neurotoxicants
- 2:00 PM **Session 3:** Report back from Breakout groups
List of Probable KCs of Neurotoxicants (Discussion)
List of Probable KCs of DNTs (Discussion)
- 3:00 PM **Break**
- 3:15 PM **Breakouts**
Groups A and B develop final list of KCs.
- 4:00 PM **Session 4:** Progress report from Groups A and B and general group discussion
- 5:00 PM Adjourn
- 6:00 PM **Group Dinner at Seasons Restaurant**
102 F Street, Davis, CA (reservations under Martyn Smith)
<http://www.seasonsDavis.com/>

Wednesday September 18; 9 AM to 12 PM

- 8:30 AM **Breakfast**, VM3B 2003
- 9:00 AM Breakout Groups A and B reconvene
Develop examples for each KC using known list of neurotoxicants and DNTs
- 10:00 AM **Session 5:** Report back on examples and final list of KCs by Group A to group
- 10:30 AM Break
- 10:45 AM Final Report back by Group B to whole group
- 11:15 AM Finalize lists of new key characteristics and make plans for publication.
Martyn Smith and Lauren Zeise co-ordinate discussion.
- 12:00 PM Lunch and departure.