Conclusions for chapter 8.

Although laboratory toxicity and sublethal tests are currently available for evaluating potential effects of chemicals on adults and larval bees, no agreement exists among different regulators on which ones to focus on for further development. The participants dealing with laboratory testing improvements agreed that priority should be given to developing the larval *in vitro* test for application as a standard tier 1 study within regulatory frameworks. Participants also agreed that the regulatory testing framework incorporate sublethal endpoints (e.g., changes in behavior or body condition) measurable at the individual level (adult or larval) when research has shown such effects may affect colony population dynamics and reproduction. Participants also agreed that efforts should be made to expand the range of test species to include two or more non-*Apis* bees to address concerns that *Apis mellifera* may not be an adequate surrogate for non*Apis* bees ~~with~~ which can have considerably different life cycles.