

Implementing New Approaches to Evaluate the Safety of Chemicals and Medical Products in the United States- FDA Activities

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US Food and Drug Administration
2019 SOT Meeting

Partnerships: FDA NIH DARPA



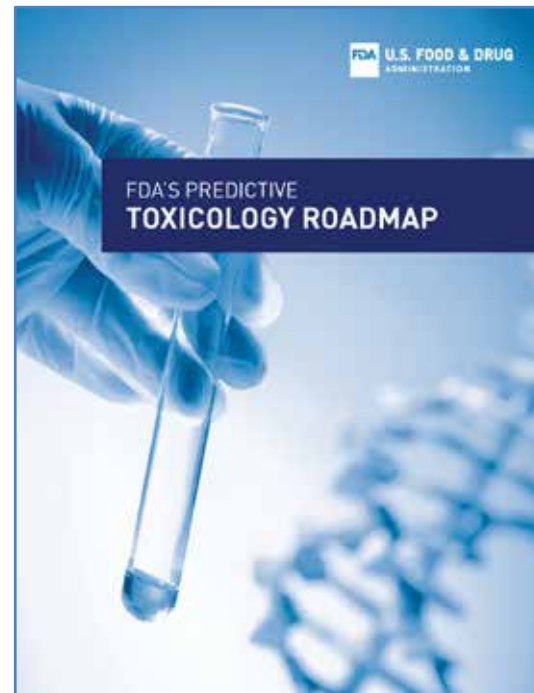
- To jointly develop new tools that can be used in therapeutic development.
- Create a collaboration of government, academic and industry scientists working together on new toxicology tools.

FDA Predictive Toxicology Roadmap

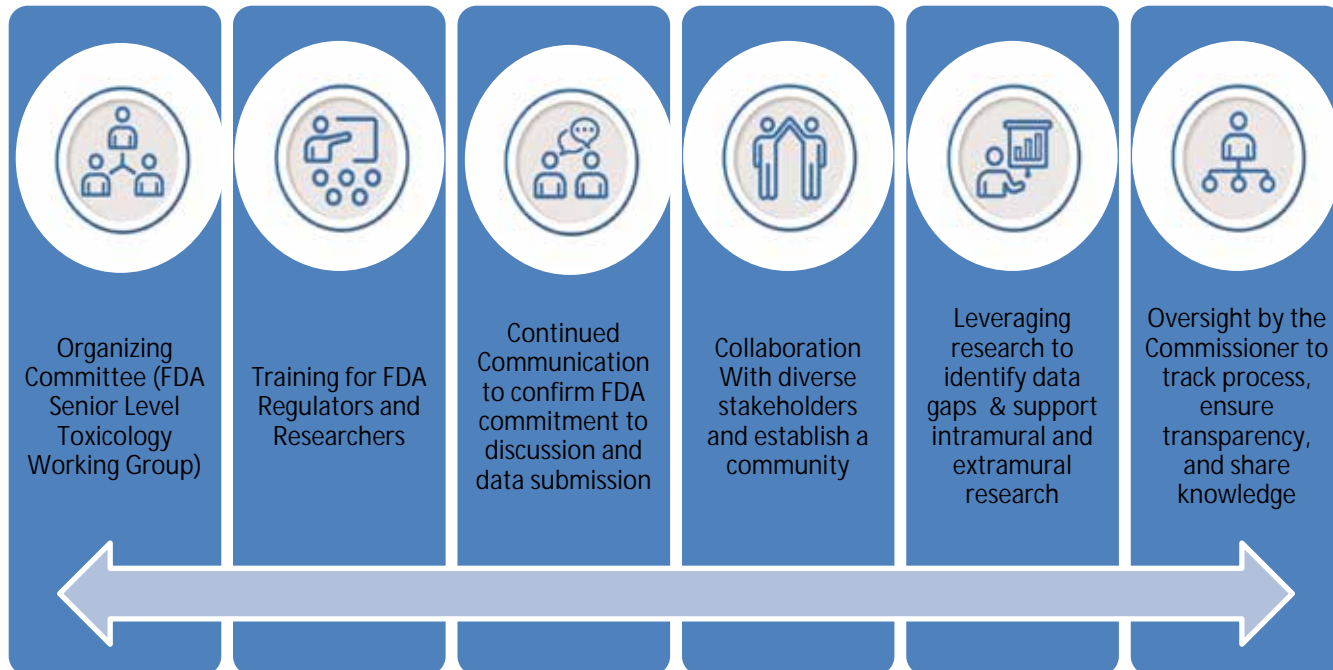


Announced December 6, 2017

- <https://blogs.fda.gov/fdavoices/index.php/2017/12/fda-launches-predictive-toxicology-roadmap-to-enable-advances-in-toxicity-testing/>



FDA's Roadmap: Framework for Incorporating Emerging Predictive Toxicology Methods in Regulatory Reviews





FDA held a public hearing on Wednesday, September 12, 2018, to solicit comments on its Predictive Toxicology Roadmap.

The Agency sought comments on how to foster the development and evaluation of emerging toxicological methods and new technologies and incorporate them into regulatory review, as applicable.

<https://www.fda.gov/ScienceResearch/AboutScienceResearchatFDA/ucm601090.htm>

Roadmap-Responsive Activities

- Each center developed its own plan to meet roadmap goals.
- Two goals for updating our toxicology toolboxes:
 - Reevaluate Existing Tools For Regulatory Use
 - Use of Dog for Chronic Testing
 - Use of Chronic Rodent Bioassays
 - Evaluate New Tools for Regulatory Use
 - C.Elegans
 - Organs on Chips
 - Read Across



Questions

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