

Report of the NTP Associate Director

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NTP Board of Scientific Counselors
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- Upcoming advisory committee meetings
- Division of NTP (DNTP) receives National Children's Study funding
- Deputy DNTP Director for Analysis



Upcoming Advisory Committee Meetings

- Peer review of Draft NTP Technical Report on Pentabromodiphenyl ether mixture (DE-71) - June 25, 2015 (webcast meeting)
- Peer review of Draft Report on Carcinogens Monograph on Cobalt and Certain Cobalt Compounds - July 22, 2015, at NIEHS
- Scientific Advisory Committee on Alternative Toxicological Methods meeting - Sept. 2, 2015, at NIEHS



National Children's Study (NCS) Funding

- NCS cancelled by Dr. Collins on Dec. 12, 2014
- “The NCS sought to address questions at the intersection between children’s health and the environment – goal is to remain true to this original intent”
- FY ‘15 funding redirected to a competitive model between NIH Institutes
- Primarily extramural, but some intramural:
 - **Initiative 1:** Develop tools that would enhance studies of environmental influences of pediatric diseases
 - **Initiative 2:** Study the influence of environment on *in utero* development with the goal of identifying the “seeds” of future diseases and conditions
 - **Initiative 3:** Expand examination of environmental influences on later child development by leveraging extant programs



- Study the influence of environment on *in utero* development with the goal of identifying the “seeds” of future diseases and conditions
 - (Expand Extant Program) Tox21 Developmental Toxicity Program
 - Comprehensive testing program of the Tox21 10,000 chemical set on developmental pathways and cellular phenotypes (NCATS - \$4 M, NIEHS/NTP - \$4 M)



Tox21 Developmental Biology Expansion

- Establish database and chemical library of ~ 100 developmental toxicants
- Develop rapid transcriptomic analysis tools for the S1500 gene set for human, rat, mouse, and zebrafish
- Accelerate our planned movement to transcriptomic assessments in phase 3 of Tox21
- Create transcriptomic maps of stem cell development
- Undertake a comprehensive effort to standardize zebrafish embryo development models
- Evaluate several commercial cell-based platforms for rapid screening for developmental toxicity – Attagene (any cell type) and Stemina (human embryonic stem cells)
- Enhance our sequencing capacity



- Deputy DNTP Director for Analysis – Dr. Kristina Thayer

- Duties

- Oversee Office of Health Assessment and Translation and Office of the Report on Carcinogens
- Provide flexible staffing
- Implement harmonized systematic review procedures
- Advance systematic review in environmental health sciences
- Handbook for Systematic Reviews issued Jan 9, 2015





Questions