

Report to the NTP Board of Scientific Counselors

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NTP Associate Director
National Institute of Environmental Health Sciences

December 7, 2017



Retiring- Dr. Paul Foster





Awards and Recognition

ACLAM Board of Directors Mentor of the Year Award



Angela King-Herbert, D.V.M.,
Leader of the NTP Laboratory
Animal Medicine Group

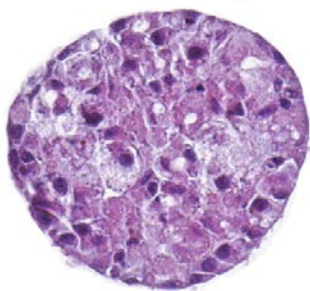
Diplomate of the American Board of Toxicology



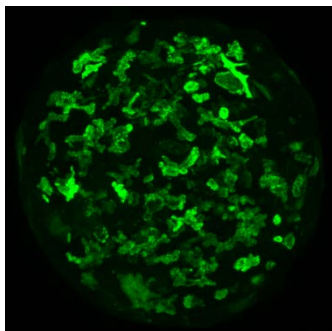
Kristan Ryan, Ph.D.
Toxicology Branch



3D HepaRG spheroid cultures (384-well)

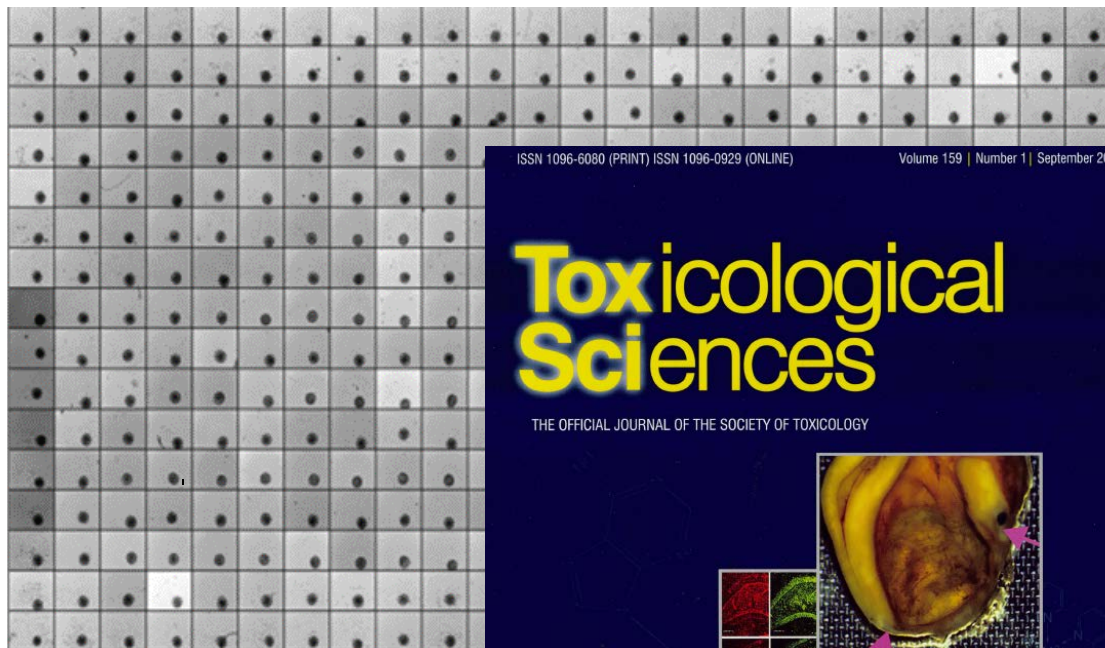
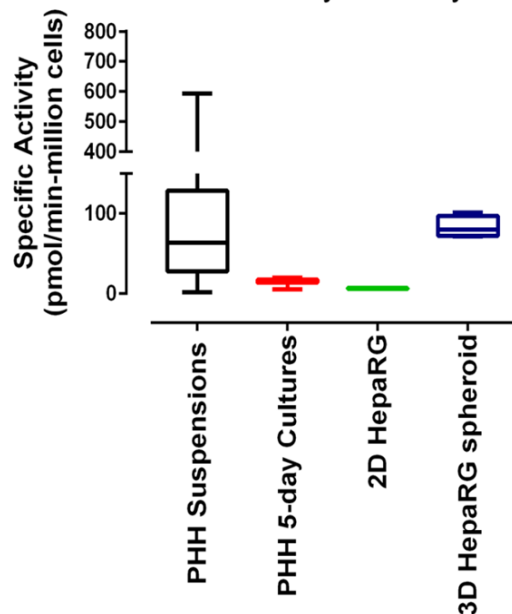


H&E

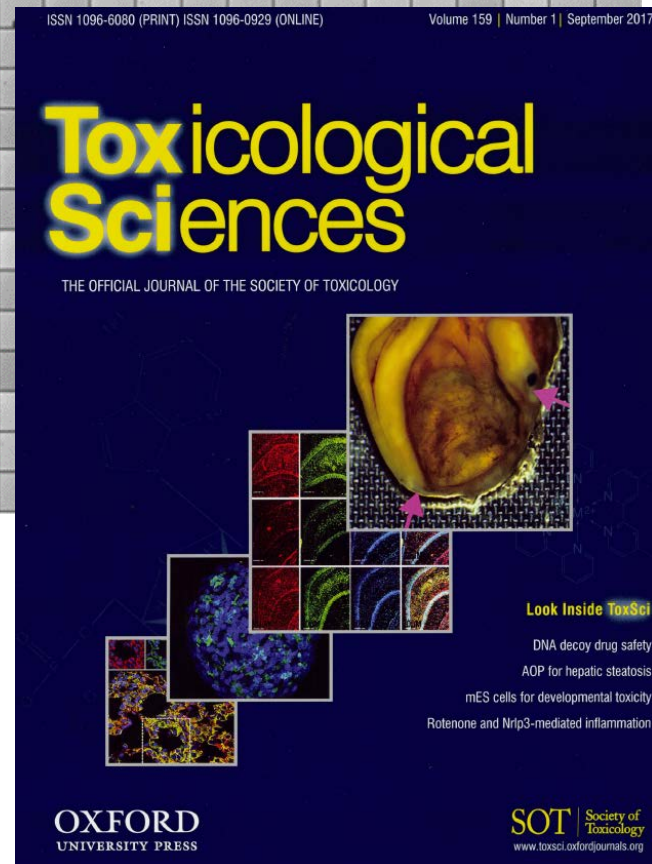


MRP2

CYP3A4 Enzyme activity



Ramaiahgari et al., Toxicol Sci (2017) v.159 (1): 124-136





NTP Reports—Peer Review Panels

- **Report on Carcinogens:**

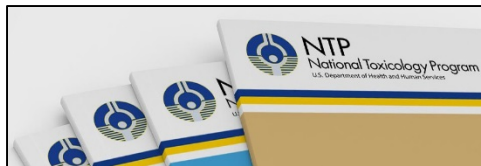
- Six haloacetic acids as “reasonably anticipated to be carcinogens”



- **Research Reports:**

- Biological activity of Bisphenol A (BPA) structural analogues and functional alternatives
- Absence of formaldehyde-induced neoplasia in Trp53 haploinsufficient mice exposed by inhalation

- **Technical Reports:**



Toxicity Report

- 2,3-butanedione
- p-Chloro-alpha,alpha,alpha-trifluorotoluene
- Dietary zinc

-TBBPA-bis(2,3-DBPE)



EMERGING SCIENCE FOR ENVIRONMENTAL HEALTH DECISIONS

AGENDA

Understanding Pathways to a Paradigm Shift in
Toxicity Testing and Decision Making

NOVEMBER 20-21, 2017

THE NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE

KECK CENTER, 500 FIFTH STREET NW, WASHINGTON, DC 20418



- **Keynotes**

- **Decision Contexts in a Changing Toxicology Paradigm—**
Gary Ginsberg, Connecticut Department of Public Health
- **Standards of Proof, Presumptions, and Defaults: Tools**
for Thinking About Environmental Health Protections—
Carl Cranor, University of California, Riverside
- **Building and Sustaining Trust in Decision Making**
Processes—Branden Johnson, Decision Research



- **Case Studies**

- **Decision Making Within Endocrine Disruptor Screening Program: A Conversation on Replacing the Uterotrophic Assay—Lynn Goldman**, The George Washington University, and **Stan Barone**, U.S. Environmental Protection Agency
- **Towards Aquatic Monitoring of Emerging Contaminants—Tara Sabo-Attwood**, University of Florida
- **Product Development and Market Decisions—Meredith Williams**, Department of Toxic Substances Control California



- **Motivating Change at the Institutional Level**
 - **Institutional Policy Changes and Growing Inequality in U.S. Health and Mortality—Mark Hayward, University of Texas, Austin**
 - **Experiences with Paradigm Change in U.S. Government Science and Regulatory Decision— James ('Jim') Jones, Consumer Specialty Products Association**
 - **Motivating Institutional Will to Change: ICCVAM Processes to Incorporate Data from Alternative Toxicity Testing Methods into Decisions About Classification, Labelling, and Risk Assessment—Anna Lowit, U.S. Environmental Protection Agency**
 - **Experiences with Paradigm Change in European Union Science and Regulatory Decisions— Maurice Whelan, European Commission, Joint Research Centre (JRC), Ispra, Italy**



Thank you

<https://niehs.nih.gov>



National Institute of
Environmental Health Sciences



National Toxicology Program
U.S. Department of Health and Human Services

