

# MADRE: Who are we?

MADRE is a consortium of researchers across the **basic** and applied life sciences who work to develop **quantitative definitions** of small molecule teratogenicity and predictive models of adverse drug outcomes in

## Collaborators



Anup P. Challa  
Principal Investigator  
Vanderbilt Univ. Med. Ctr.



Ethan S. Lippmann, Ph.D.  
Chemical Engineering  
Vanderbilt Univ.



Andrew L. Beam, Ph.D.  
Population Health Informatics  
Harvard School of Public Health



Robert R. Lavieri, Ph.D.  
Pharmacology  
Harvard School of Public Health



Jeffery A. Goldstein, M.D., Ph.D.  
Neonatal Pathology  
Northwestern Univ.

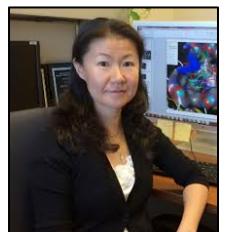
## Board of Advisors



David M. Aronoff, M.D., FIDSA, FAAM  
Medicine  
Vanderbilt Univ. Med. Ctr.



Jana K. Shirey-Rice, Ph.D.  
Secondary Use of EHR Data  
Vanderbilt Univ. Med. Ctr.



Min Shen, Ph.D.  
Cheminformatics  
NIH-NCATS



Sara L. Van Driest, M.D., Ph.D.  
Pediatrics  
Vanderbilt Univ. Med. Ctr.



Etoi Garrison, M.D., Ph.D.  
Obstetrics and Gynecology  
Vanderbilt Univ. Med. Ctr.

## Analysts



Lisa Bastarache, M.S.  
Data Science  
Vanderbilt Univ. Med. Ctr.