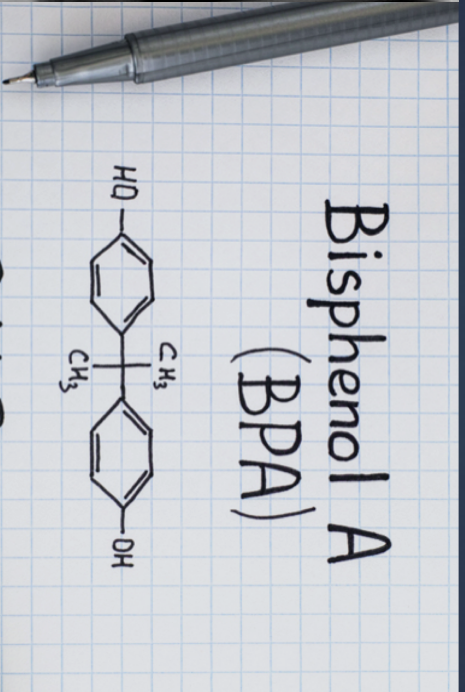
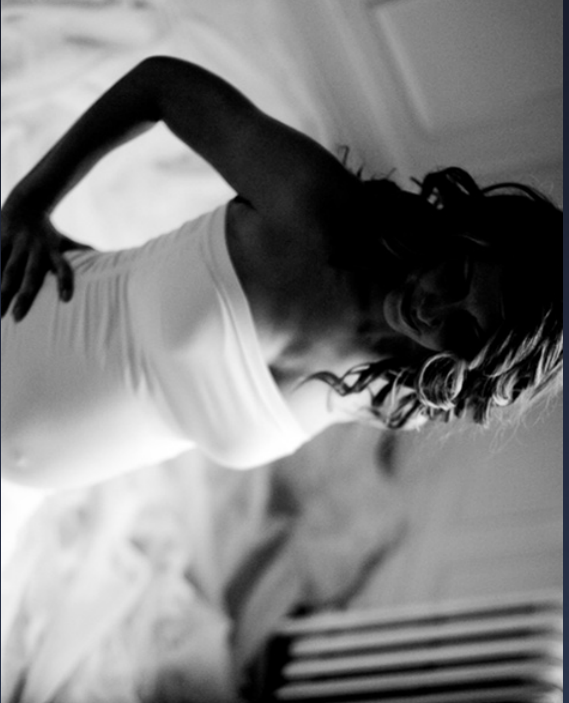
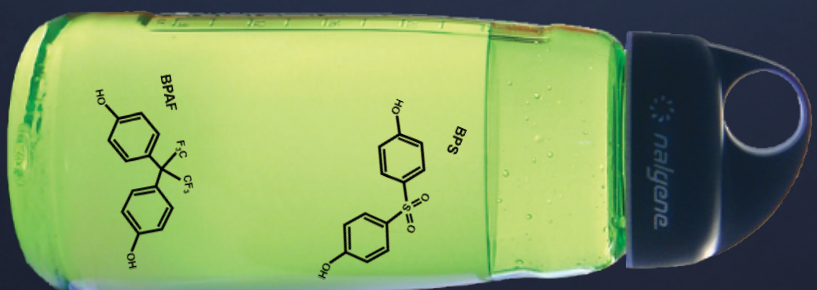
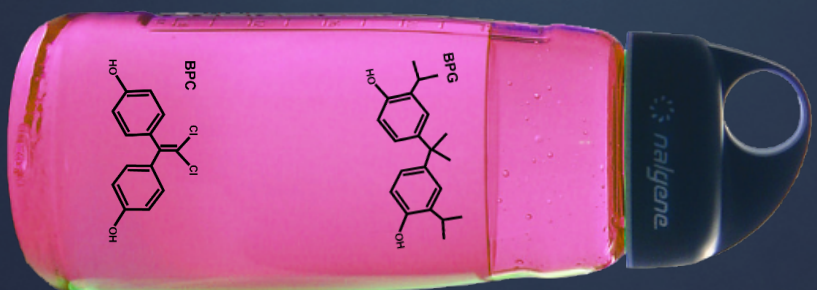
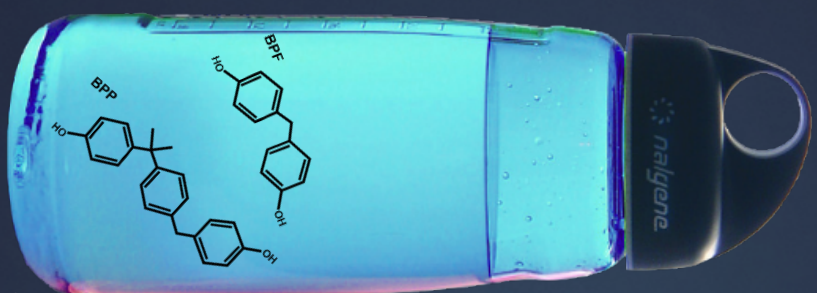


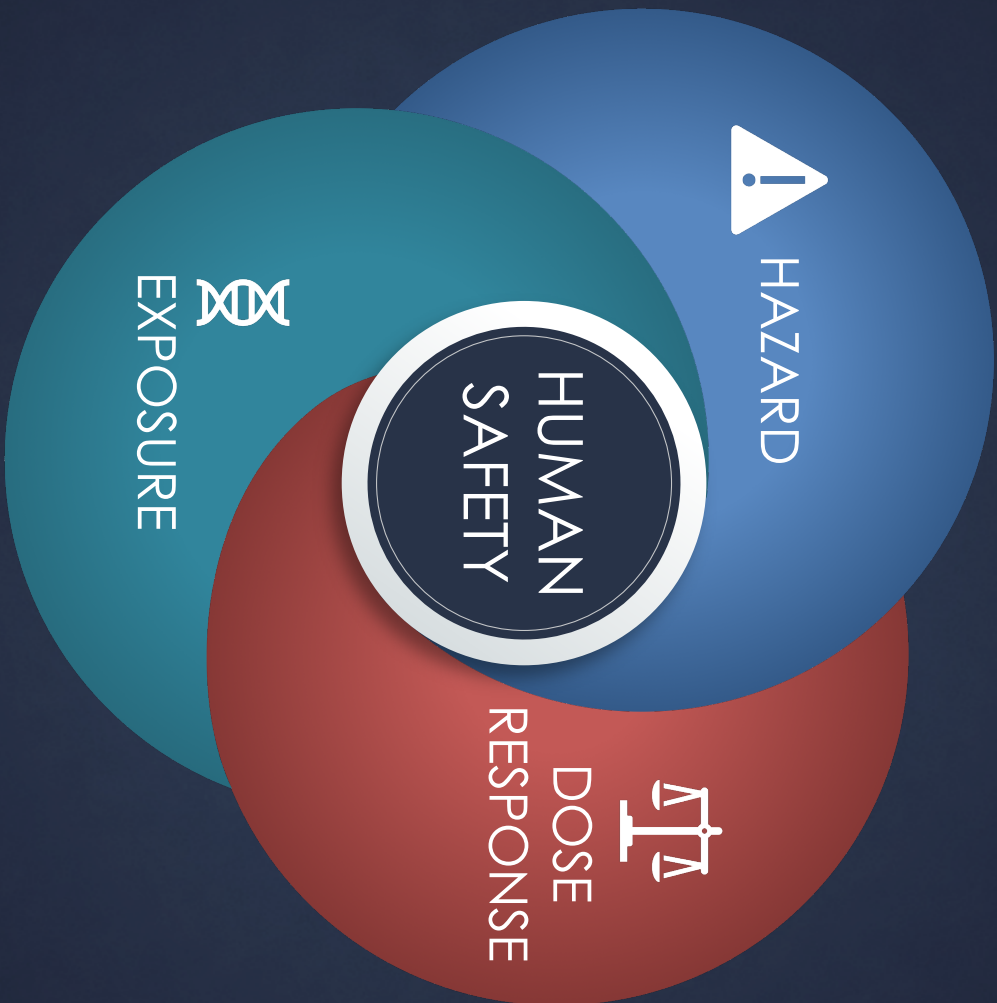
Underestimating BPA levels



Patricia Hunt

Washington State University





BPA: A wide range of adverse effects



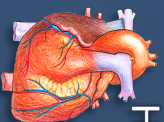
Gonads



Reproductive tract



Brain



Heart



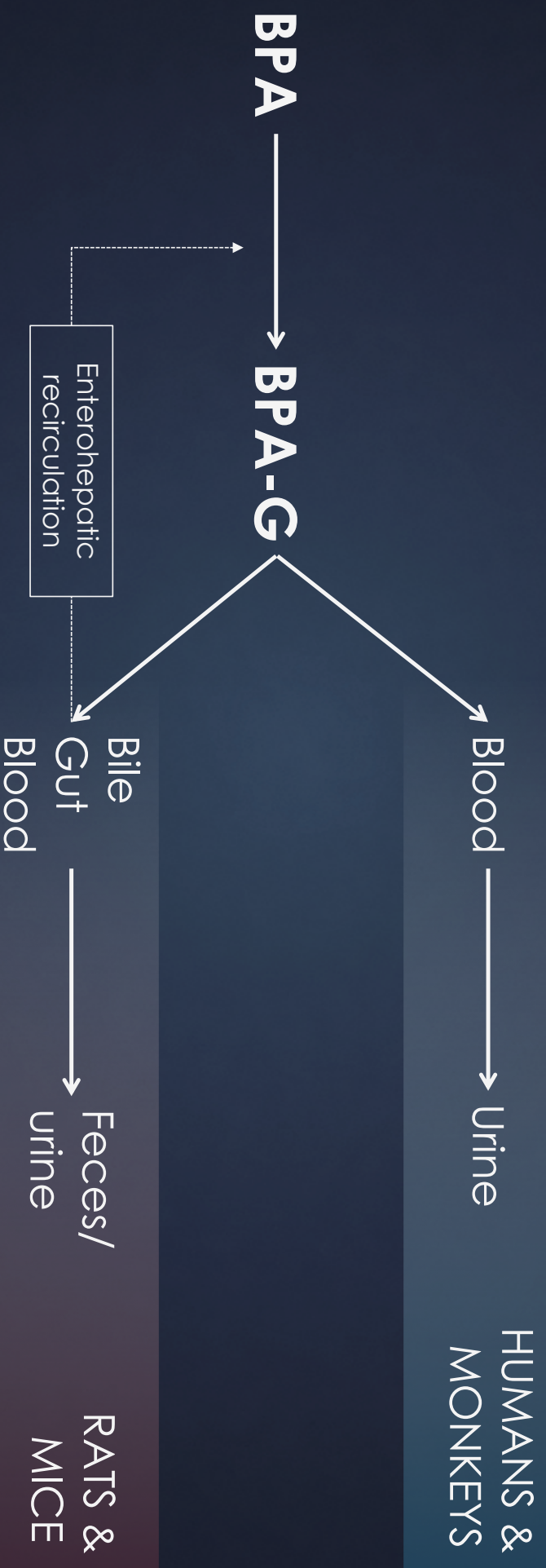
Mammary



Lungs



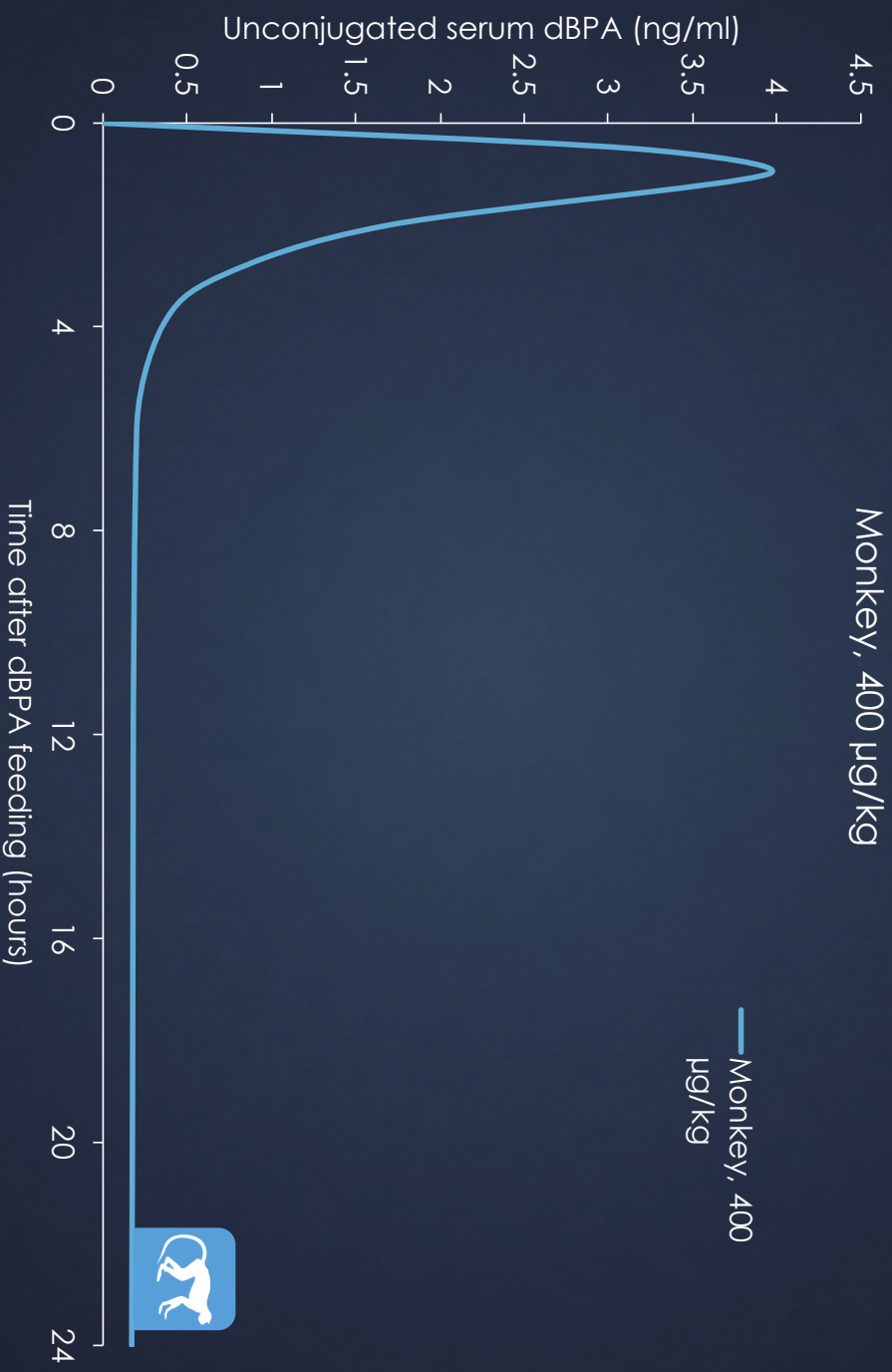
BPA: Is the rodent a good model?



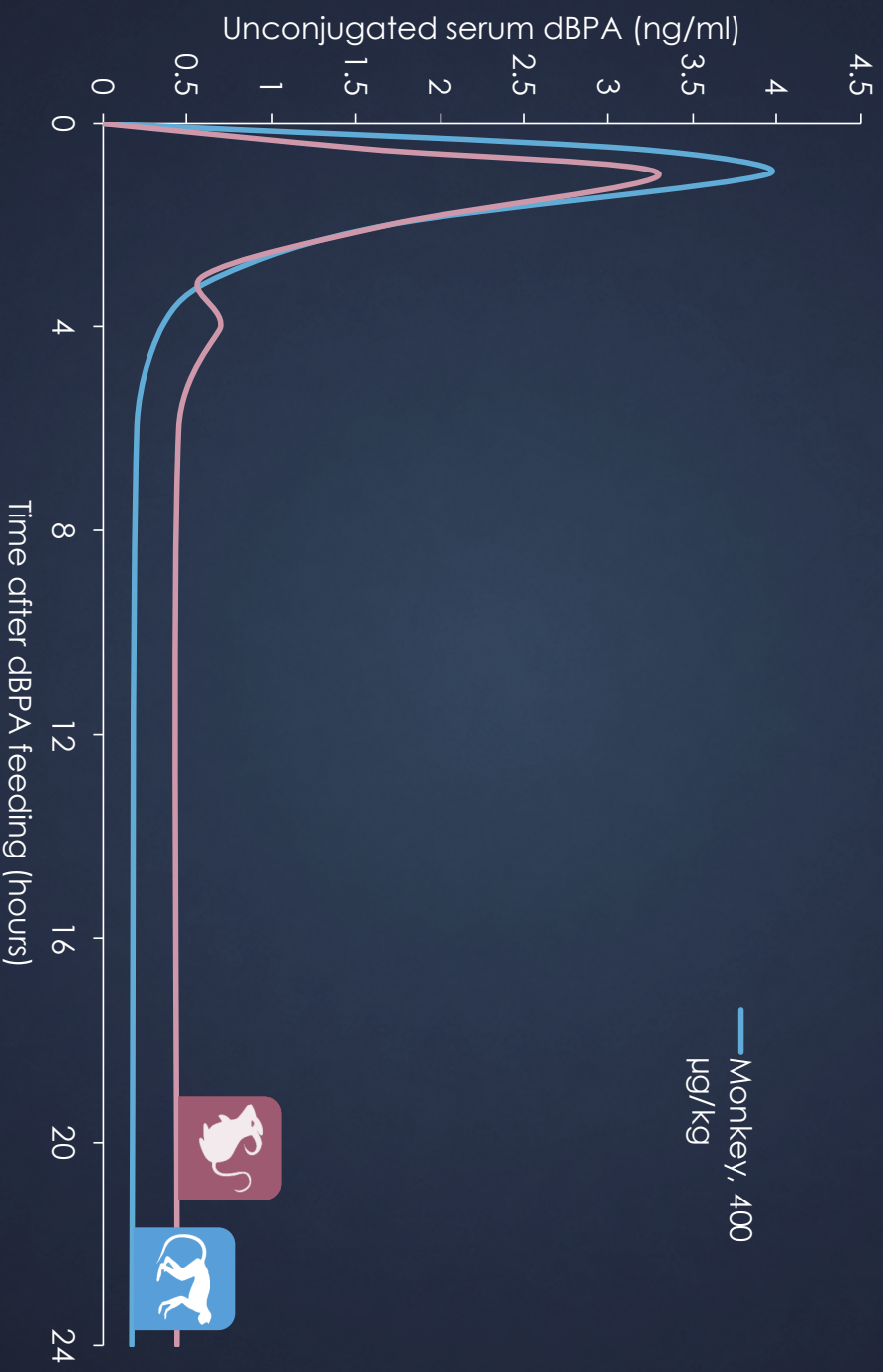
BPA Metabolism: Monkey studies



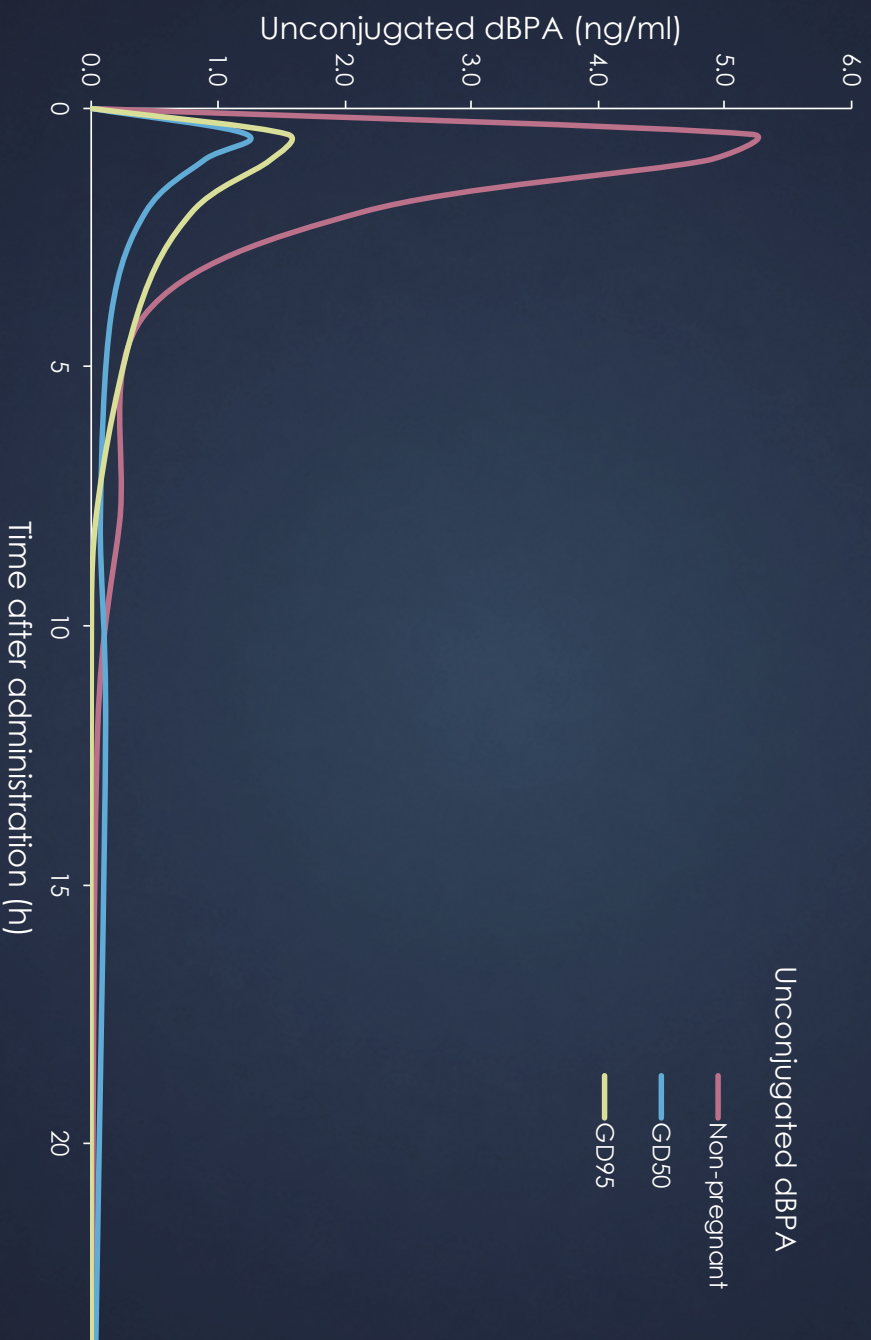
MOUSE VS MONKEY



MOUSE VS MONKEY



PREGNANCY ALTERS BPA METABOLISM







Indirect 

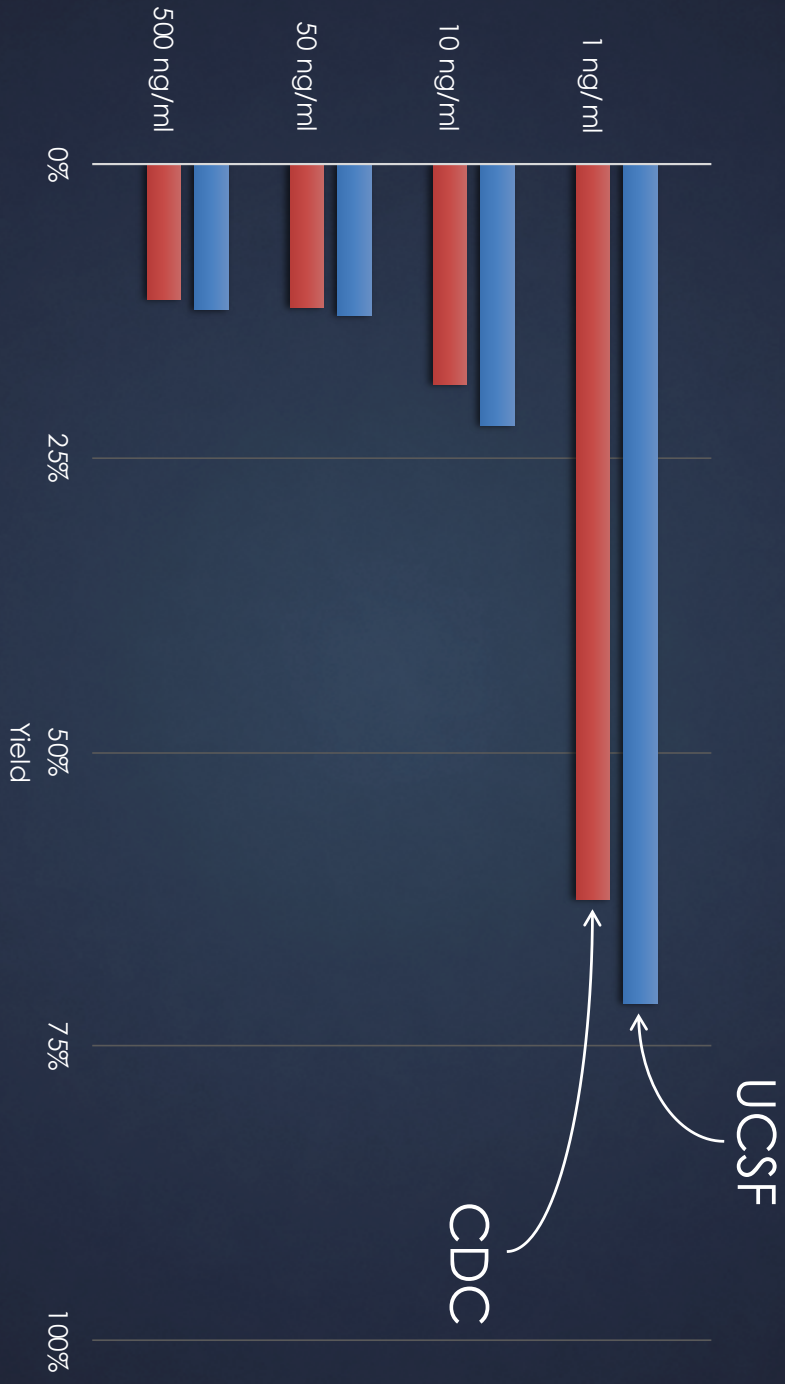
vs

Direct

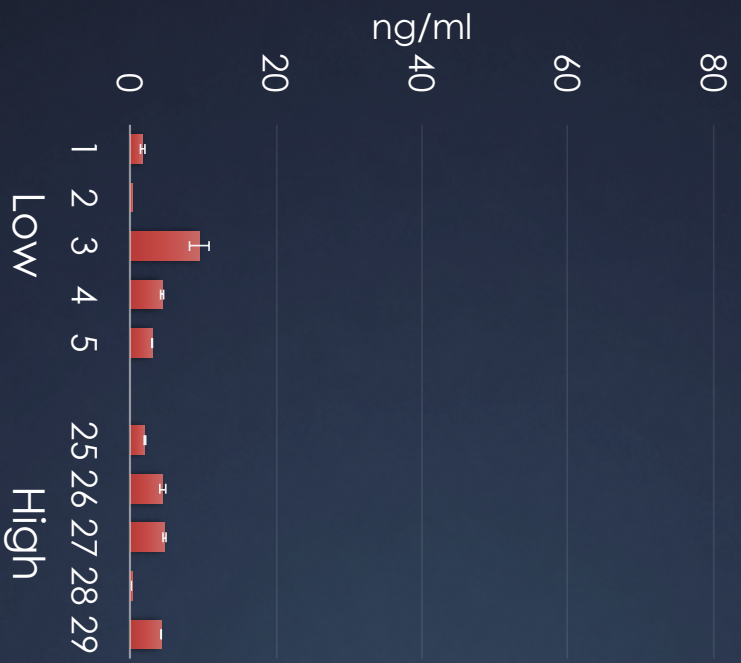
Indirect



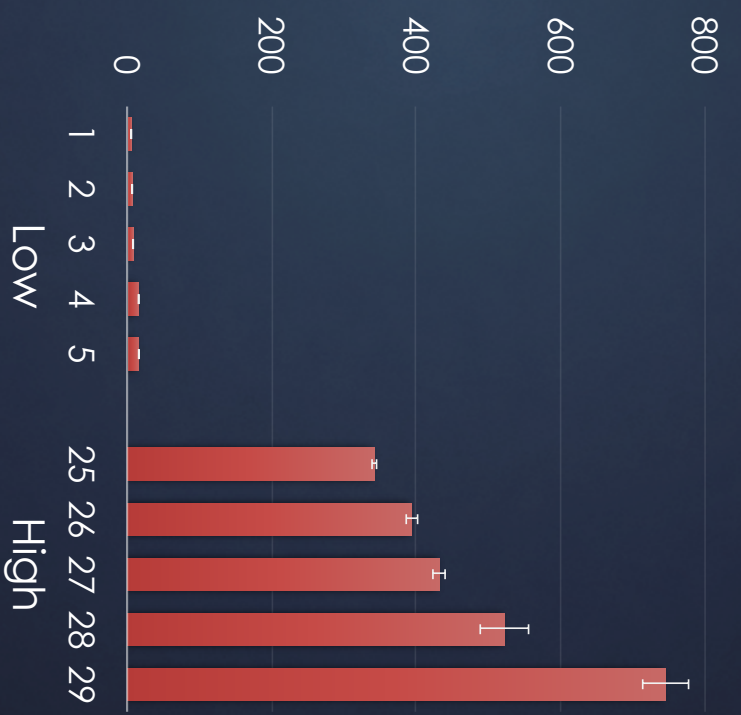
BPA-G



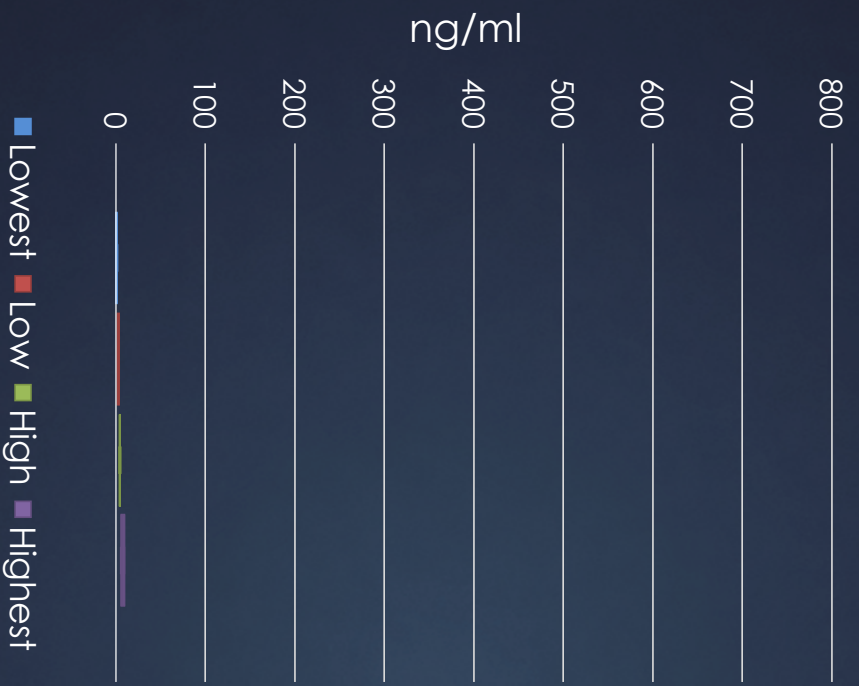
Indirect



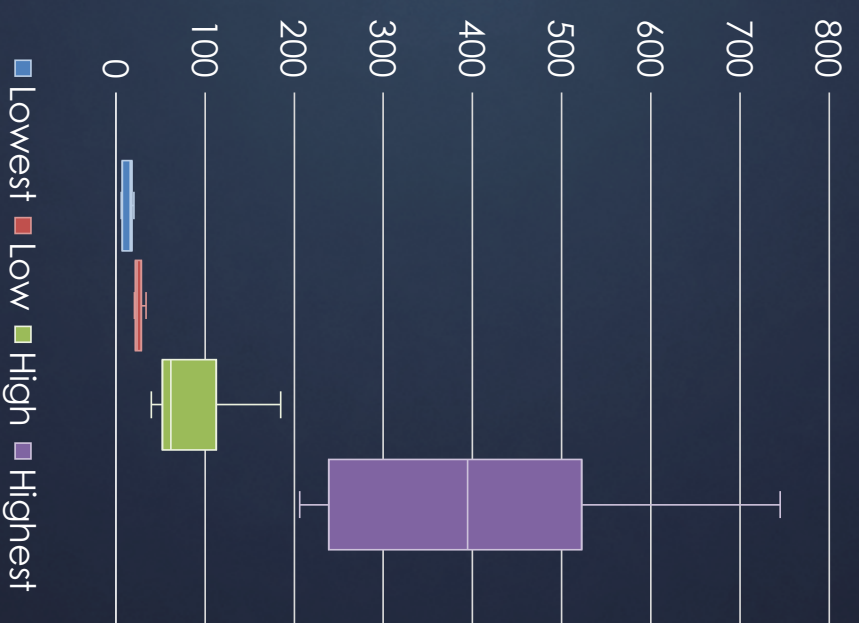
Direct



Indirect



Direct



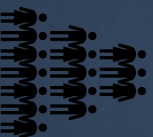
Underestimating BPA:

- Human exposure levels



Risk assessment?

- Epidemiological studies



Accuracy?

- Indirect analysis



Other EDCs?