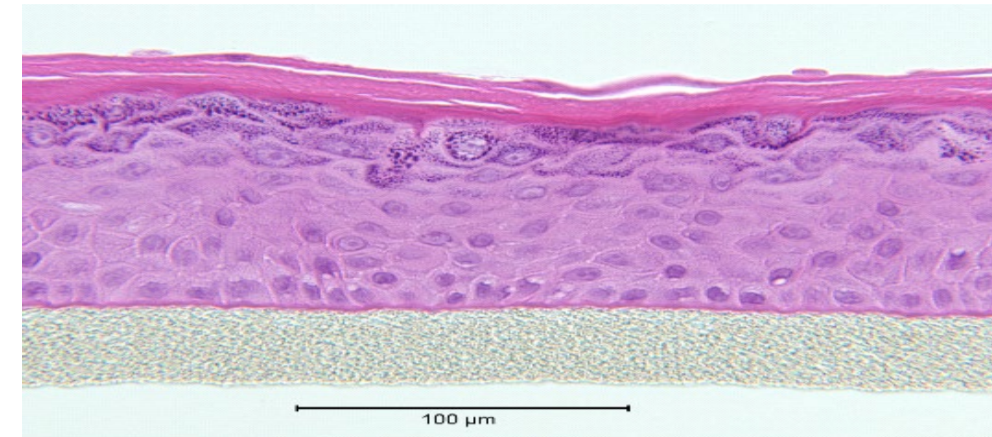


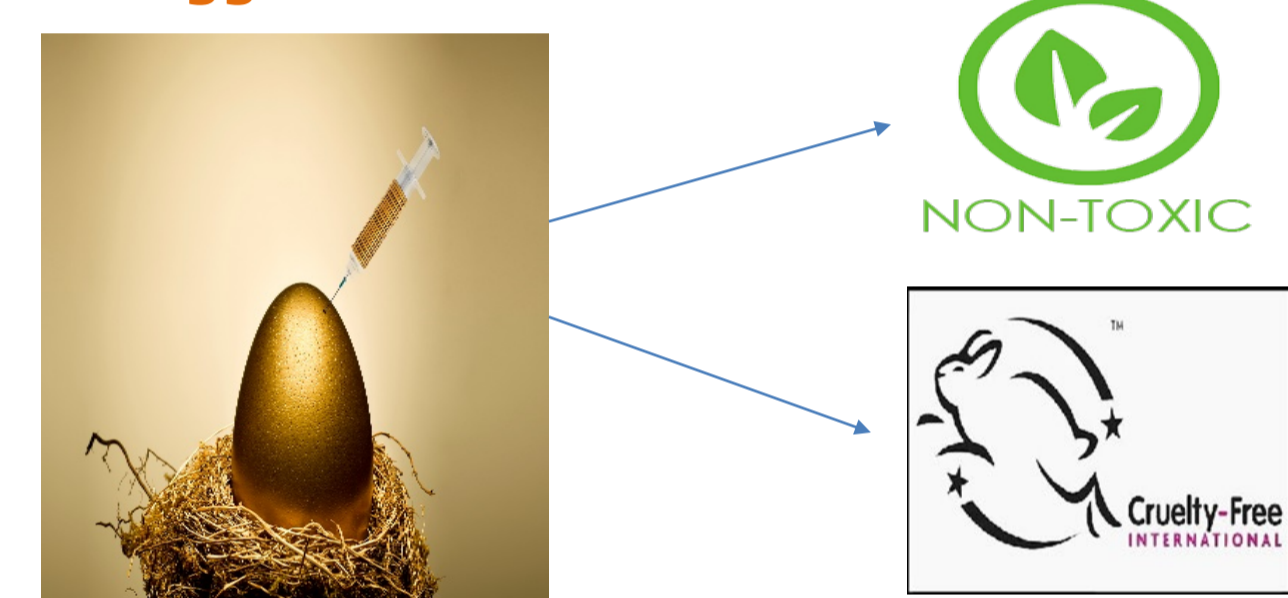
## Two models and a screening tool can save animals

- The 3D Skin Model
- The Egg Model
- High Throughput Screening along with *in silico* as a connecting link

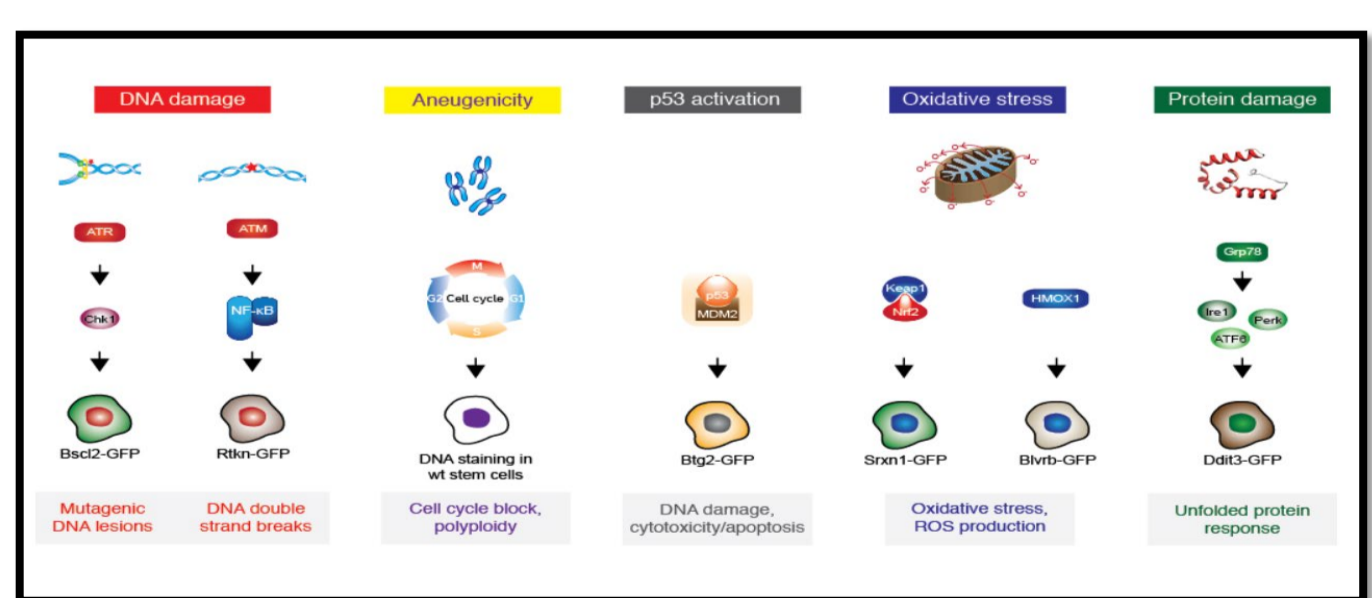
### The 3D Skin Model:



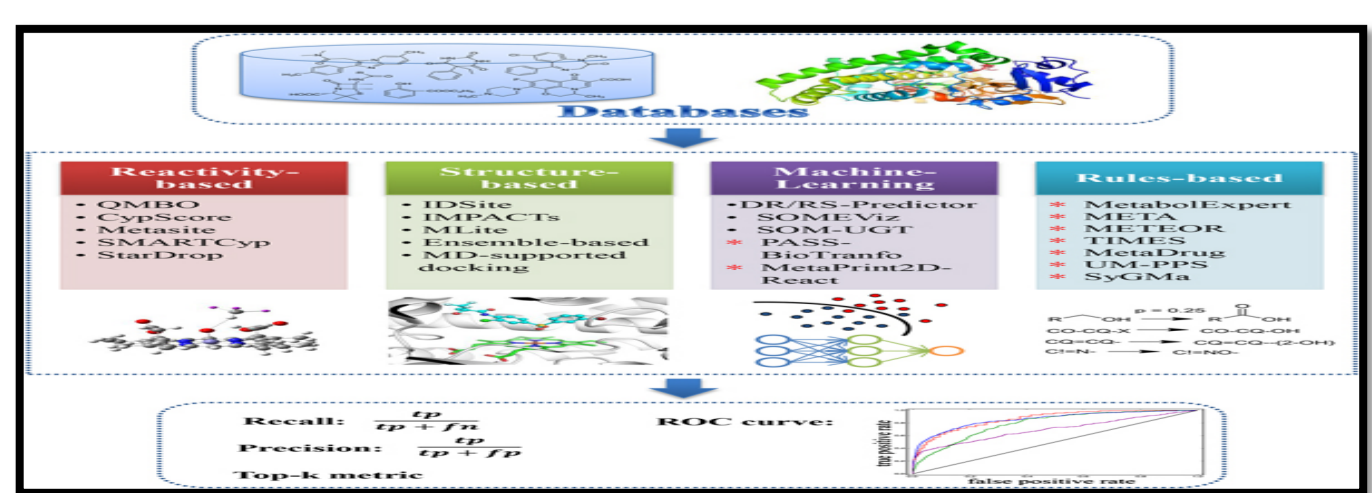
### The Egg Model



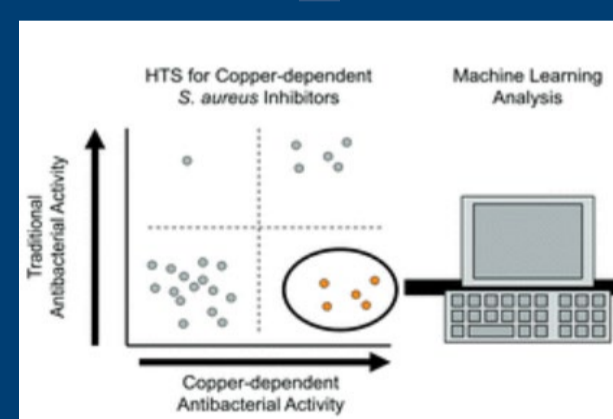
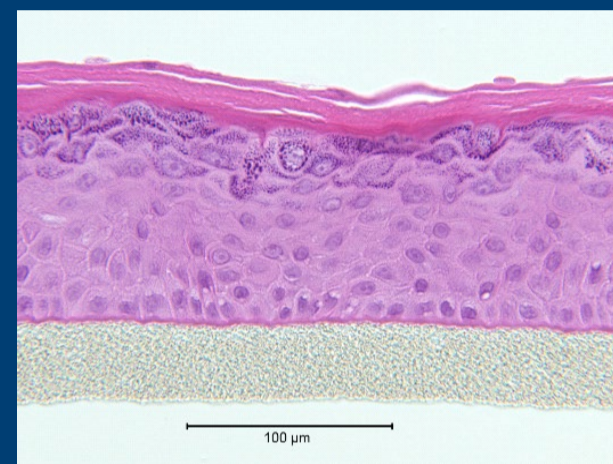
### High Throughput Screening (HTS) tool – ToxTracker™



### In silico Prediction



# Two models and a screening tool can save animals

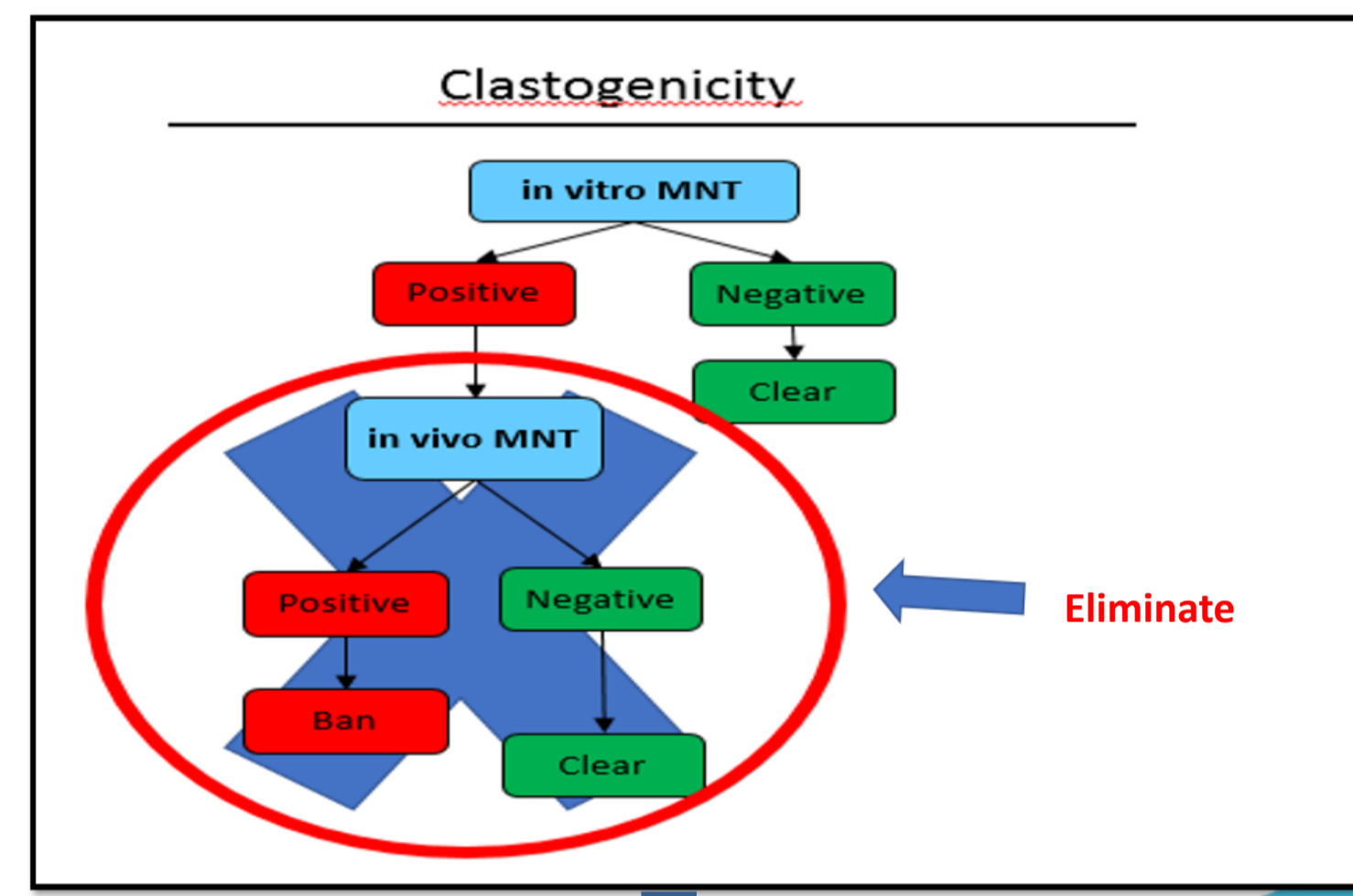


## Results

- 100% concordance between 3D skin micronucleus and final outcome of current regulatory approved *in vivo* animal assays - Application based approach
- 3 out of 4 predicted to mimic animal study results in “The Egg Model” - Live liver detoxification pathway
- HTS along with *in silico* model helps in identifying the mechanism of misleading positives in *in vitro* models and make decision on appropriate follow-up model

## Conclusion

### Current testing strategy



### Animal alternative testing strategy

