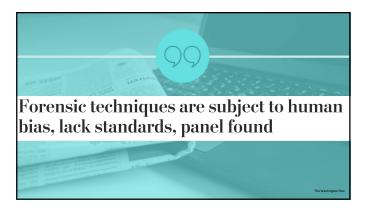
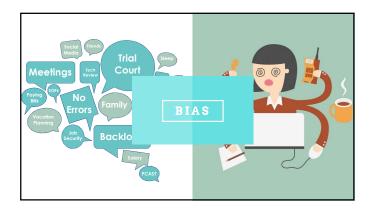
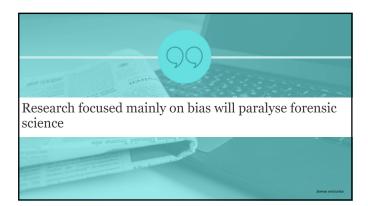


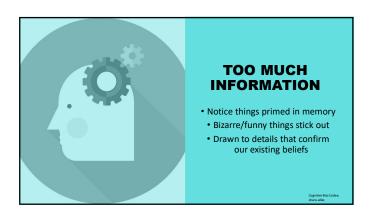
BIAS

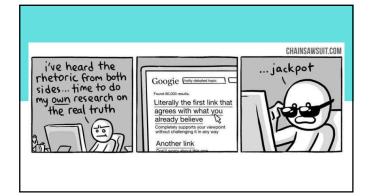












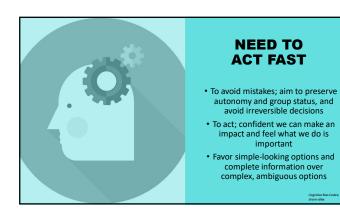


NOT ENOUGH MEANING

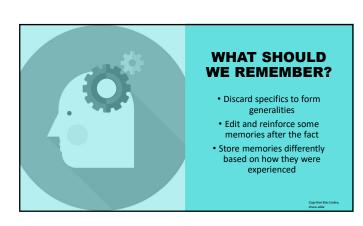
- Find patterns even when looking at sparse data
 - Fill in information from prior history
- Project our current mindset and assumptions onto the past and future

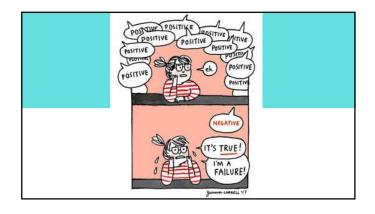
Cognitive Bias Cod

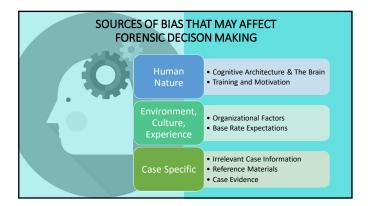
Olny srmat poelpe can raed this. It deosn't mttaer in what oredr the ltteers in a word are, the iprmoatnt tihng is that the fisrt and last ltteer be in the rghit pclae. And I awlyas tghuhot slpeling was ipmorantt!



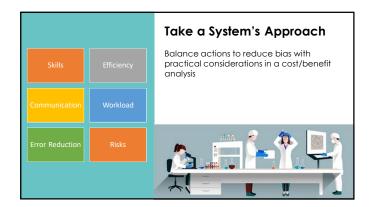


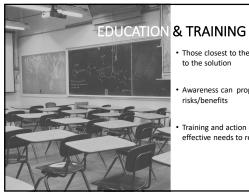












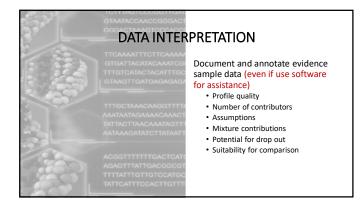
- Those closest to the problem are closest to the solution
- Awareness can propagate discussion on risks/benefits
- Training and action needed to determine effective needs to reduce bias

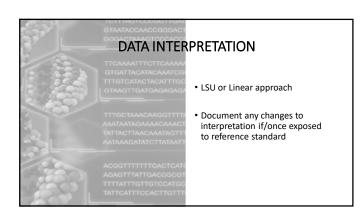
Conformance To Customer Expectations Quality Assurance Continuous Emprovement Continuous Continu	Consider where in the DNA process flow an analyst may be exposed to bias and what reasonable actions can reduce the risks of cognitive contamination
	Quality manual and/or technical procedures address assessment with written guidelines Consider transparency (i.e. documenting exposure to possible biasing elements)

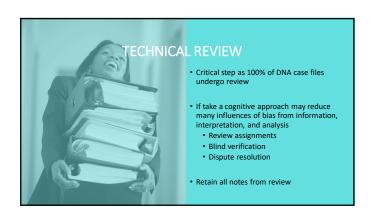
© INFORMATION CONTROL		
	What the eyes see and the ears hear, the mind believes	
	Example: Gun found in John Smith's car, please compare the swabs from the gun to John Smith	
	Context management Case Manager approach Laboratory/reporting analyst independent of communication analyst	

Ta	Task Information- Influence Decision Making		
Justify relevancy in QA Manual			
	RELEVANT		
	Examples		
	Date of Crime	Age of evidence	
	Storage Conditions	Evidence exposure	
	Type of Crime	Influence technical procedures	
	Intimate v Non-Intimate	Assumptions used in interpretation	

Task Information- Influence Decision Making		
How to mitigate exposure? IRRELEVANT	COM	
Examples		
Eyewitness information	Details about the scene or who was involved	
Results of other forensic examinations	Presence or lack of other forensic evidence	
Personal History	Suspect criminal history, victim use of drugs or alcohol	
	AVU B	







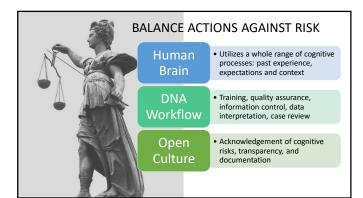


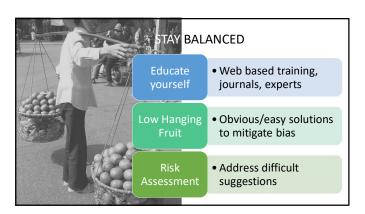
Current Culture- Hierarchical Approach

- Resolves disputes
- Risk of *priori* favoring
- · Final/correct answer

Open Culture Possibilities

- Document disagreements in the case
- Report disagreements as inconclusive -OR-
- · Report all conclusions





THANK YOU INTERNATIONAL SYMPOSIUM ON HUMAN IDENTIFICATION PHOENIX, AZ • SEPT 24–27, 2018 Dr. Bruce Budowle, UNT & KAU bruce.budowle@unthsc.edu Dr. Itiel E. Dror, CCI-HQ & UCL i.dror@ucl.ac.uk

THANK YOU



FORENSIC CONSULTING & RESILIENCE TRAINING

Amy Jeanguenat, MFS @mindgen.training amy@mindgenllc.com www.mindgenllc.com