

**OSTP Convening: Pioneering the Future Advanced Computing Ecosystem**

# **Foundational & Translation Research**

August 17 – 18, 2020

Kathy Yelick

# Kathy Yelick

Professor at  
Berkeley  
'91-today

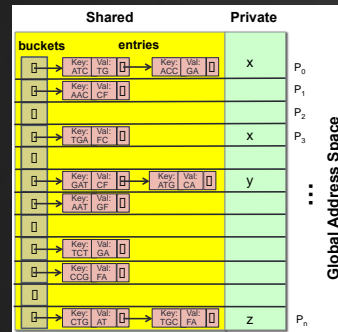
Research in  
Parallel  
Computing

Parallelizing  
"irregular"  
problems

NERSC  
Director  
'08-'12

LBNL ALD for  
Computing  
10-'19

Assoc Dean  
for Research,  
Computing,  
Data Science  
and Society



PGAS  
Autotuning  
Comm Avoid



Exascale Application

Symbolic  
Discrete event  
Genomics  
GNNs



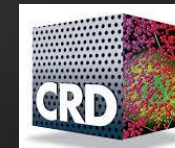
**ESnet**

Energy Science Network



**NERSC**

National Energy Research  
Scientific Computing Center



**CRD**

Computational Research  
Division

**EECS**

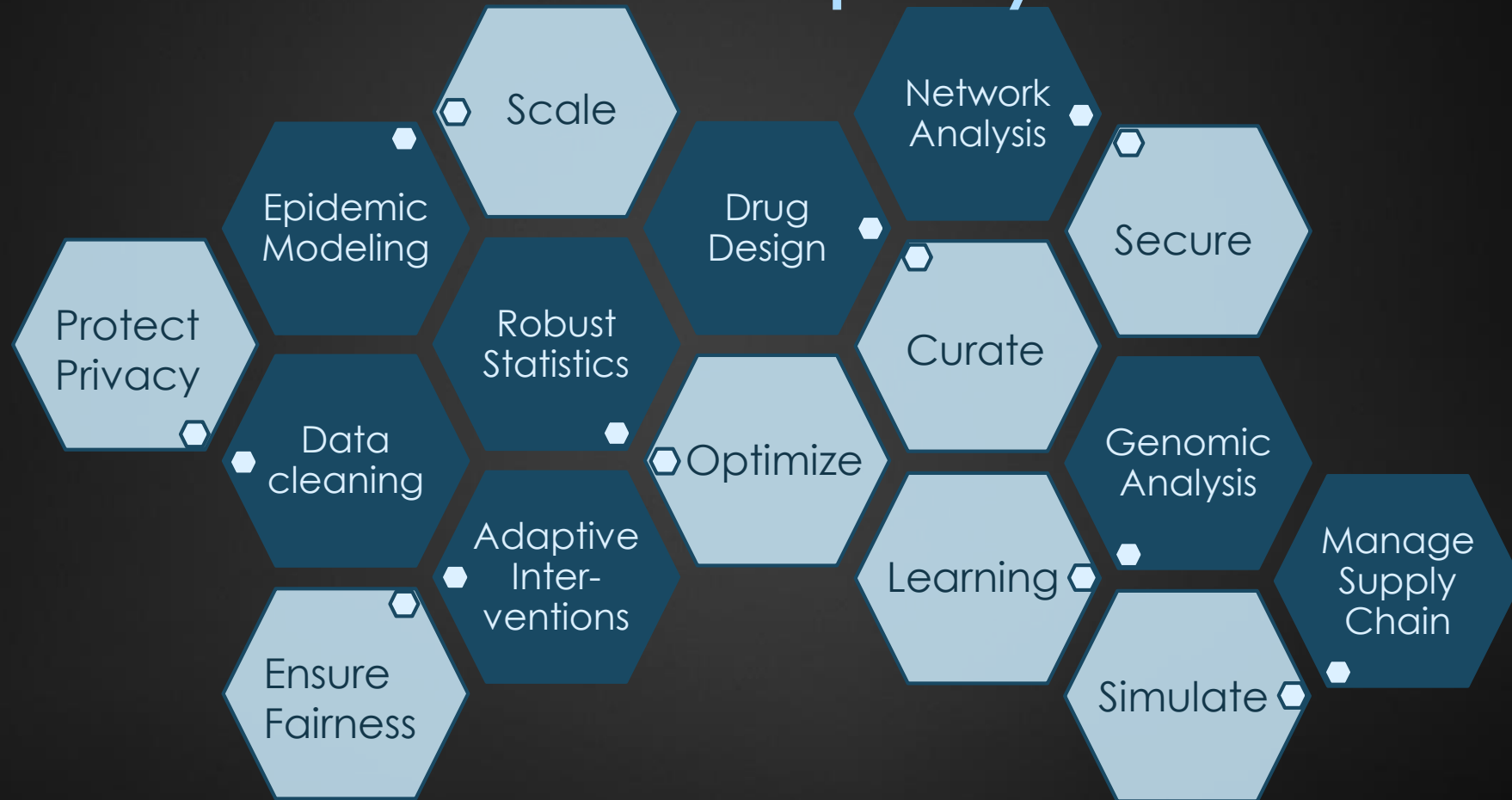
**I-School**

**Statistics**

**Commons**

# Computer and Data Science for COVID-19

The global crisis needs cross-disciplinary teams



A goal of CDSS@Berkeley, led by Jennifer Chayes

*"Any opinions, findings, conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the Networking and Information Technology Research and Development Program."*

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