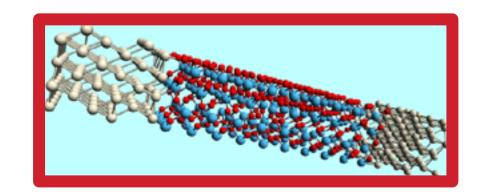
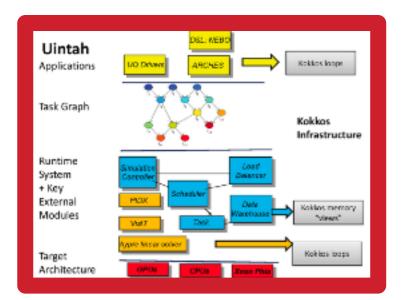
## Aurora ESP Projects S D L

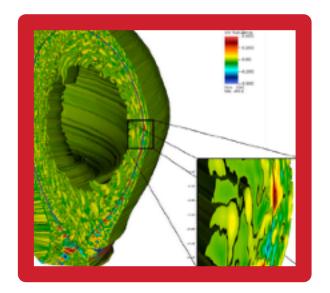


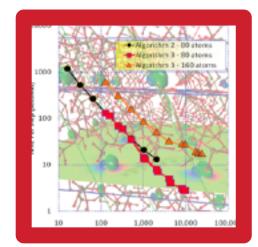


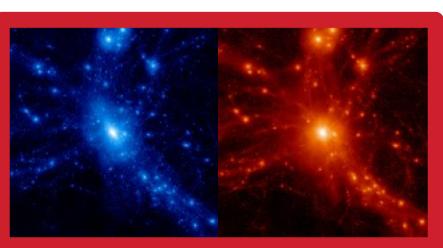


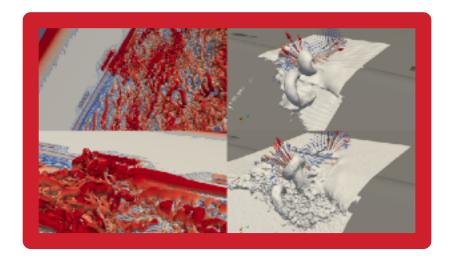


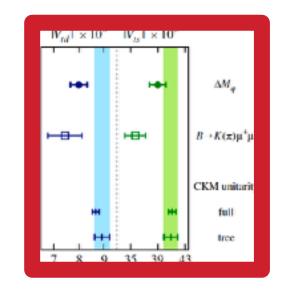


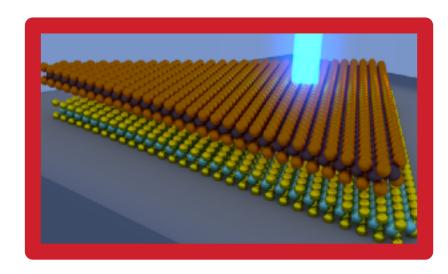


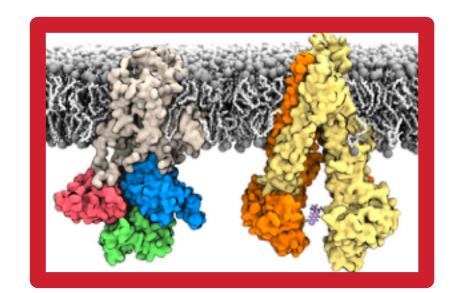


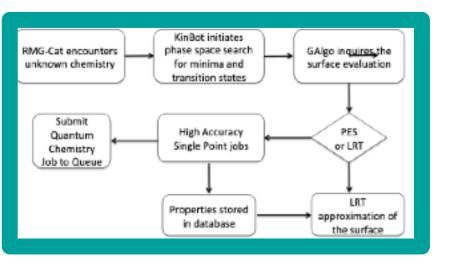


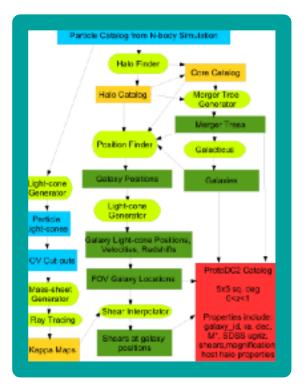


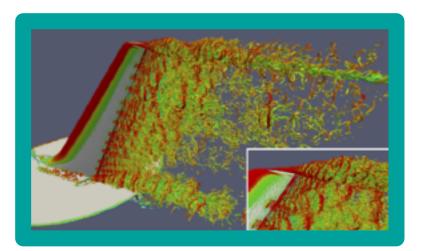


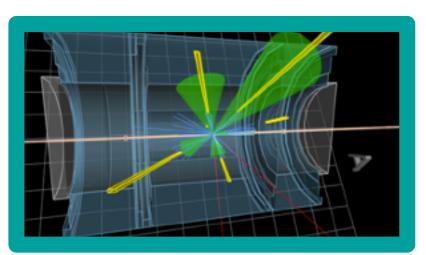


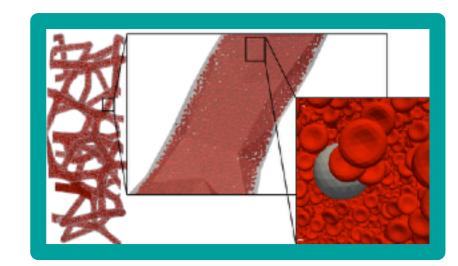


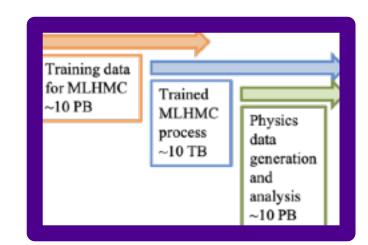




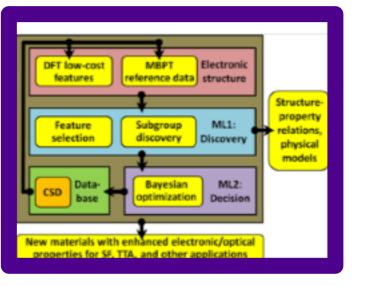


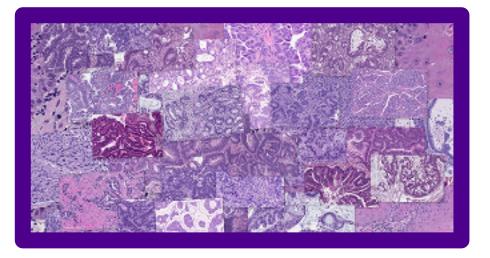


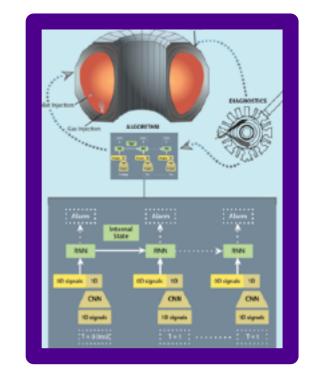














## **Aurora ESP Projects**







## **Anouar Benali** (ANL)

Extending Moore's Law computing with Quantum Monte Carlo

## Martin Berzins (U. Utah)

Design & evaluation of highefficiency boilers for energy production using a hierarchical V/UQ approach

## **CS Chang** (PPPL)

High fidelity simulation of fusion reactor boundary plasmas

## **Theresa Windus (Ames)**

NWChemEx: Tackling Chemical, Materials & Biochemical Challenges in the Exascale Era

#### **Katrin Heitmann** (ANL)

Extreme-Scale Cosmological Hydrodynamics

## Ken Jansen (U. Colorado)

Extreme Scale Unstructured Adaptive CFD: From Multiphase Flow to Aerodynamic Flow Control

## Norman Christ (Columbia)

Lattice Quantum
Chromodynamics Calculations
for Particle and Nuclear Physics

## **Aiichiro Nakano** (USC)

Metascalable Layered Materials Genome

# Benoit Roux (U. Chicago)

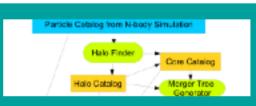
Free Energy Landscapes of Membrane Transport Proteins

## **David Bross** (ANL)

KinBot initiates

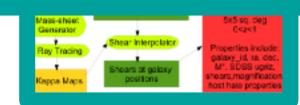
Exascale Computational Catalysis

in database the surface



## **Salman Habib** (ANL)

Dark Sky Mining



## Ken Jansen (U. Colorado)

Data Analytics and Machine Learning for Exascale CFD



## **Walter Hopkins**(ANL)

Simulating and Learning in the ATLAS detector at the Exascale

## **Amanda Randles** (Duke U.)

Extreme-scale In Situ Visualization and Analysis of Fluid-Structure-Interaction Simulations

## Will Detmold (MIT)

Machine Learning for Lattice Quantum Chromodynamics

## **Nicola Ferrier** (ANL)

Enabling Connectomics at Exascale to Facilitate Discoveries in Neuroscience

## **Noa Marom** (CMU)

Many-Body Perturbation
Theory Meets Machine
Learning to Discover Singlet
Fission Materials

## **Rick Stevens** (ANL)

Virtual Drug Response Prediction

## **Bill Tang** (Princeton)

Accelerated Deep Learning Discovery in Fusion Energy Science



