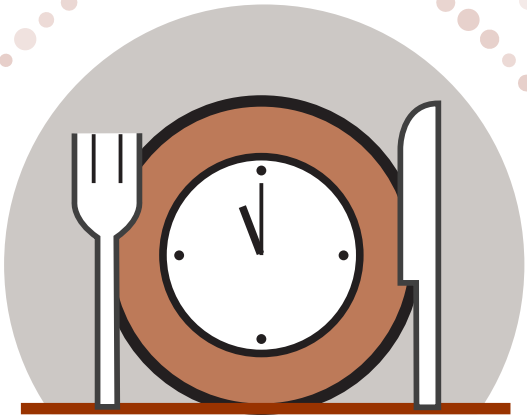
CAS | Center for Advanced Study



CENTER FOR ADVANCED STUDY

FOOD FOR THOUGHT

A series of public events featuring research and creative projects by recent CAS Associates and Fellows.

We are delighted to showcase the work of some of our most productive and creative faculty in this informal series of intellectually and spiritually invigorating presentations. You are invited to drop in when you can to learn about the exciting projects undertaken by our faculty.

Monday, October 23, 2023

11:00am–11:45am

Anne Sickles

CAS Associate 2022–23, Physics

The Quark Gluon Plasma: Looking Inside the Hottest Matter in the Universe

The Quark Gluon Plasma (QGP) is a state of matter that existed in nature very shortly after the Big Bang and has a temperature of several trillion degrees. In order to recreate and study this matter in the laboratory, Professor Sickles' group used particle accelerators and specially designed detectors. In this talk, she will discuss what we know about the QGP based on measurements at the Large Hadron Collider at CERN and the Relativistic Heavy Ion Collider at Brookhaven National Laboratory. She will also discuss her work on sPHENIX, the new detector which came online this year and will provide new information on how the QGP properties change with temperature.

Noon–12:45pm

Deke Weaver

CAS Associate 2022–23, Art + Design

The Unreliable Bestiary and CETACEAN

The Unreliable Bestiary is an ark of stories about animals, humans, and planet Earth. Deke Weaver's life-long project is presenting a performance for every letter of the alphabet—each letter representing an endangered animal or habitat. *The Unreliable Bestiary's* sixth performance is CETACEAN (The Whale), and it tells interweaving tales of the sea and its failing ecosystems. This presentation will be a chat about CETACEAN.

Center for Advanced Study
Levis Faculty Center—Room 210
919 W. Illinois, Urbana

For more information please consult **cas.illinois.edu.**

To request special accommodations, please contact **cas@cas.illinois.edu.**