Lawrence Livermore National Laboratory

Problem solvers needed!
June 20 – July 1, 2022

DATA SCIENCE CHALLENGE

Application deadline: May 8, 2022

The CHALLENGE :

Solve an exciting problem in drug discovery for COVID-19.

Traditional **drug discovery** involves many time-consuming and expensive experimental steps. Machine learning and other data science techniques can drastically accelerate this process, which is especially important in a global pandemic.

IN THIS CHALLENGE, you will work with a [massive database](#) of virtual molecule screening results, chemical and protein structures, and designed synthetic antibodies to identify drug compounds that can be used to create medicines that prevent and treat COVID-19 infections.

INFORMATION SESSION: Thursday, April 14 | 2:30PM – 3:30PM

Register on
ii **Handshake**

Register Now

* The Data Science Challenge is a two-week, full-time commitment. Participants will receive a stipend.
Students will participate in person at UC Riverside as long as COVID restrictions allow.
If necessary, this will be an online program.

Questions?

Brian Gallagher, LLNL
925.424.4468

Jennifer Bellig, LLNL
925.699.1514

Vagelis Papalexakis, UC Riverside
epapalex@cs.ucr.edu

data-science.llnl.gov/riverside

COMPUTING

CASC
Center for Applied Scientific Computing

DSI
DATA SCIENCE INSTITUTE

UC RIVERSIDE