

## GRANT ANALYSIS FORM OPERATING & CAPITAL GRANT PROJECTS/PROGRAMS

Department/Division: Health Department-LaboratoryContact Person & Phone No: Dr. Sanjib Bhattacharyya, Laboratory Director – Ext. 5702

## Category of Request

 New Grant Grant Continuation

Previous Council File No. \_\_\_\_\_

 Change in Previously Approved Grant

Previous Council File No. \_\_\_\_\_

Project/Program Title: "Defining the role of college students in SARS-CoV-2 spread in the Upper Midwest" (BAA 75D301-20-R-68024)Grantor Agency: Centers for Disease Control and Prevention (via University of Wisconsin-Madison)Grant Application Date: July 22, 2020Anticipated Award Date: August 2020

## 1. Description of Grant Project/Program (Include Target Locations and Populations):

This CDC grant proposal is focused on addressing developing strategies for protection, prevention and control of COVID-19 in communities. The MHD Laboratory is partnering with the University of Wisconsin-Madison, UW-Milwaukee, University of Michigan and Wayne State University to use genomic epidemiology to understand patterns of SARS-CoV-2 transmission both within college student populations and between students and the surrounding community. Specifically, MHDL will be performing COVID-19 genetic sequencing on specimens collected at UW-Milwaukee Norris Health Center.

## 2. Relationship to City-Wide Strategic Goals and Departmental Objectives:

This grant directly relates to the MHD departmental strategic goal of increasing public health preparedness to respond to emergencies, by increasing understanding of community spread of COVID-19. It is also in alignment with MHD's overall mission and core values of collaboration and innovation.

## 3. Need for Grant Funds and Impact on Other Departmental Operations (Applies only to Programs):

These grant funds and related activities will positively impact laboratory and epidemiology related operations at the MHD, as well as support the laboratory's ongoing testing services related to COVID-19.

## 4. Results Measurement/Progress Report (Applies only to Programs):

MHDL will complete the following tasks/objectives over the course of the grant:

1. Generate 100 SARS-CoV-2 sequences from UWM students upon resumption of in-person classes in September 2020.
2. Generate 100 SARS-CoV-2 sequences from UWM students when confounded by cold and flu season, January-March 2021.
3. Generate 100 SARS-CoV-2 sequences from UWM students to understand how SARS-CoV-2 vaccine rollout affects transmission dynamics and potential antigenic evolution, September-December 2021.
4. Obtain and sequence up to 100 SARS-CoV-2 samples from the Greater Milwaukee community in the timeframes of September 2020, January-March 2021, and September-December 2021.

MHDL is also expected to provide post consensus sequences on GISAID in near-real-time, consistent with SPHERES nomenclature and metadata guidelines.

## 5. Grant Period, Timetable and Program Phase-Out Plan:

The funding period for this two-year project is August 1, 2020 through July 31, 2022.

## 6. Provide a list of Subgrantees:

This grant is anticipated to be directly awarded to UW-Madison, with funds administered to the MHD Laboratory (subgrantee) via a contract. Other subgrantees of UW-Madison will include UW-Milwaukee, University of Michigan and Wayne State University.

## 7. If Possible, complete Grant Budget Form and attach to back.

Grant budget form is attached.