A decorative network diagram in the top left corner, featuring a complex web of interconnected nodes and lines, with some nodes highlighted in blue and others in grey.

# **CREID Network Pilot Research Program: Informational Webinar for Applicants**

October 12, 2021

# Agenda

Time	Topic
45 min	CREID Network Structure
	Pilot Program Overview and 2021 Awardees
	Submission and Review Dates
	Research Topics and What's Allowed
	Eligibility
	CREID Research Center Collaboration
	Letter of Intent
	Application Package
	Budget
	Review Criteria
	Post Award and Grants Management
	Capacity Building for Awardees
15 min	Questions



# CREID Network Structure



# CREID Research Centers and Sites

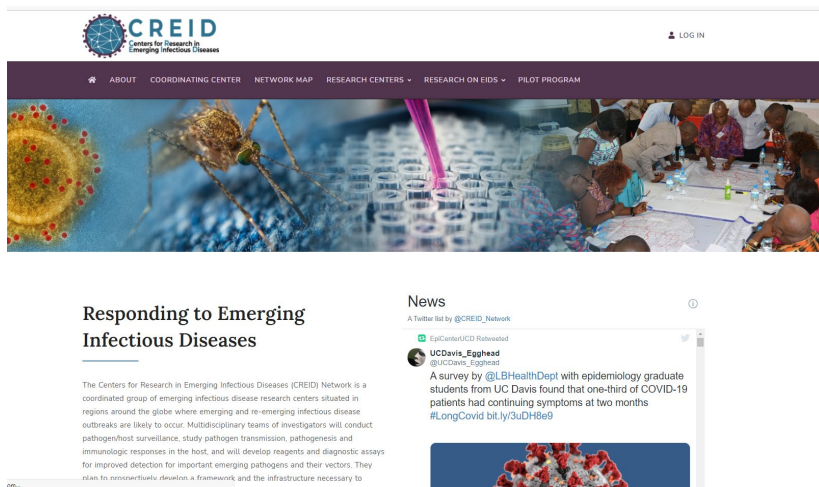


● Research Center    ▲ Affiliated Research Site

## Research Centers:

- American and Asian Centers for Arboviral Research and Enhanced Surveillance (A2CARES)
- Center for Research in Emerging Infectious Diseases-East and Central Africa (CREID-ECA)
- Center for Research in Emerging Infectious Disease -Epidemiology, surveillance, pathogenesis (CREID-ESP)
- Coordinating Research on Emerging Arboviral Threats Encompassing the Neotropics (CRE-ATE-NEO)
- Emerging Infectious Diseases: South East Asia Research Collaboration Hub (EID-SEARCH)
- EpiCenter for Emerging Infectious Disease Intelligence (EEIDI)
- Pasteur International Center for Research on Emerging Infectious Diseases (PICREID)
- United World Antivirus Research Network (UWARN)
- West African Center for Emerging Infectious Diseases (WAC-EID)
- West African Research Network for Infectious Diseases (WARN-ID)

# CREID Network Website



- Information and contact for each Research Center (RC)
- Research Study Dashboard
- Publication Dashboard
- Interactive Network Map

<https://creid-network.org/>



# Pilot Program Overview

The CREID Network Pilot Research Program supports, trains, and mentors the next generation of emerging infectious disease researchers. This program will help develop capacity for emerging infectious disease research around the world.

<https://creid-network.org/pilot-program>



# 2021 Pilot Program Awardees\*

PI(s) and Institution(s)	Award Title	Pathogen	Country	Collaborating RC
Issa Abu-Dayyeh, PhD, Biolab Diagnostic Laboratories	Development of a real-time pathogen surveillance system in Jordan	SARS-CoV-2	Jordan	WARN-ID
Daniel Moura de Aguiar, DVM PhD, Universidade Federal de Mato Grosso	Revealing vector species with potential to mediate pathogen spillover from wildlife to livestock in the Pantanal	Arboviruses	Brazil	CREATE-NEO
Cuong Van Nguyen, DVM, PhD, Oxford University Clinical Research Unit	Mixed-species farming, viral diversity, and risks of cross-species transmission in the Central Highlands of Viet Nam	Zoonoses Coronaviruses Paramyxoviruses	Vietnam	EID-SEARCH
Betania Drumond, PhD, Universidade Federal de Minas Gerais	Investigation of the spatiotemporal dynamics and ecological drivers of enzootic arboviruses circulation in non-human primates in Minas Gerais state/Southeast Brazil	Yellow Fever, Mayaro Virus	Brazil	CREATE-NEO
Bronwyn Gunn, PhD, Washington State University Robert Langat, PhD, University of Nairobi	Defining antiviral humoral immunity against SARS-CoV-2 in Kenya	SARS-CoV-2	Kenya	CREID-ECA
Janin Nouhin, PhD, Institute Pasteur du Cambodge	Hantavirus detection and characterization in rodents and human seroprevalence study in Cambodia	Hantavirus	Cambodia	PICREID

\* Many first round applications made use of stored specimens (e.g., blood samples, animal carcasses, viral isolates)

# Submission and Review Dates

<b>Deadline for Questions</b>	November 1, 2021
<b>Response to Questions Available</b>	November 15, 2021
<b>Deadline to contact Research Center for collaboration</b>	November 24, 2021
<b>Deadline for Letter of Intent (LOI)</b>	December 13, 2021
<b>Deadline for Full Application</b>	January 31, 2022
<b>Notification of Award</b>	March 21, 2022

\*The schedule is different and extended compared to the first year's application process.

\*\*Please note application requirements have also changed, so please review Call for Application guidance carefully.



# Research Project Topics (Examples)



- Many first round of proposals used stored samples from previous studies (e.g., blood, serum, viral isolates)
- Studies involve one or more of humans, vertebrate animals or other hosts, vectors (e.g., mosquitos), or pathogens
- Preliminary data not required
- Examples of Research Topics
  - Studies on pathogen transmission, emergence, or maintenance in an ecosystem
  - Pathogenesis
  - Characterization of viral antigens
  - Phylogenetics
  - Viral diversity
  - Sociological or behavioral influences on emerging or reemerging viral diseases
  - Development of reagents and diagnostic assays to improve detection of emerging pathogens
  - Studies aimed at detailing human immune responses to new or emerging infectious agents

# Human Subjects Research

- Program not designed to support submission of:
  - New human subjects research, given the length of time required to receive IRB approval for new studies
  - Clinical trials
- Human subjects research **is allowed** for those nested within a parent study with an IRB approval in place and requiring only a modification for the additional sub-study
  - Clinical research applications nested within a parent clinical trial are allowed if the application is not a clinical trial and no funds will go toward a clinical trial
- Research involving stored specimens from human subjects **is allowed** if specimens are *deidentified* and cannot be linked back to the subjects



# Animal Studies

- Program not designed to support new animal research studies, given the length of time required to receive IACUC approval for new studies.
- Animal studies **are allowed** for those nested within a parent study with an IACUC approval in place and requiring only a modification for the additional sub-study.



# Select Agent Studies



- Applicants **may propose** studies that involve pathogens that are considered **select agents** based on the Federal Select Agent Program definitions if they can demonstrate the facility, organization, or institution where the select agent work is to be conducted **has received prior approval from NIAID for the specific select agent** to be utilized.

# Eligibility

- **LMIC Applicants**

- LMIC applicants with at least a master's degree or equivalent degree and 4+ years of experience
- Applicant recommended by a CREID RC PI who does not fit any of the other criteria

- **Postdoctoral Fellows or Clinical Research Fellows**

- Applicants who hold a clinical doctoral degree (MD, DO, DVM, DNS, PharmD) must provide evidence of formal research training completed prior to submission of application
- Should have protected time to devote to the proposed research project

- **New Investigator**

- Not previously competed successfully as PD/PI for a substantial independent research award



# Role of CREID Research Center



Contact RC for collaboration as early as possible, but no later than **November 24, 2021**

- Applications must demonstrate
  - The collaborating RC is meaningfully involved in the proposed research
  - Proposed research is closely linked to the work of the collaborating RC
- Research Centers
  - Can support **three applications**
  - Are encouraged to consider diversity, equity, and inclusion goals in their selection of applicants
  - Provide a Letter of Collaboration for each applicant they support
  - Provide a mentor to the applicants
  - Provide support for applicant, such as with grantsmanship, biostatistics, or other support

# Applying as Co-PIs

- Up to two applicants can apply as Co-PIs for a single application; budget ceiling remains the same
- If the two applicants are from different institutions, each submits detailed budget
- Need to include Co-PI approach and plan for managing the project jointly



# Letter of Intent (LOI)

Use LOI  
submission  
checklist to ensure  
completeness

- Due: December 13, 2021
- Submit to [info@creid-network.org](mailto:info@creid-network.org)
- Include collaborating RC on email submission
- Letter of Intent
  - Applicants need to include the name of the collaborating RC
  - Identify your eligibility category
  - All details for LOI in Call for Applications (pg. 9)



# Application Package

Use application submission checklist to ensure completeness

- Due: January 31, 2022, 11:59pm ET
- Submit to [info@creid-network.org](mailto:info@creid-network.org)
- Include collaborating RC on email submissions
- Templates available on CREID website
- Collaborating RC expected to support development of application
- Develop application with review criteria in mind
  - Application requirements, pg. 10-15
  - Review criteria, pg. 15-16

# Budget

Type	Period of Performance	Maximum Total Cost (Direct and Indirect)
Grant with milestones	12 months: May 1, 2022-April 30, 2023	\$150,000 USD

- Budget ceiling remains same if one or two Co-PIs
- Include travel funds for 3-day Annual Meeting in Rockville, MD
- Equipment over \$20,000 requires quote
- If pre-payment required, please include in budget justification
- Include payment schedule in budget justification



# Review Criteria

Scored Criteria	Unscored Criteria
Research Rationale, Strategy, and Feasibility	Budget
Significance and Impact	Vertebrate Animals
Personnel	Protection of Human Subjects
Environment	Inclusion of Women, Minorities, and Children
Research Center Collaborating Plan	Select Agents
Mentoring Plan	

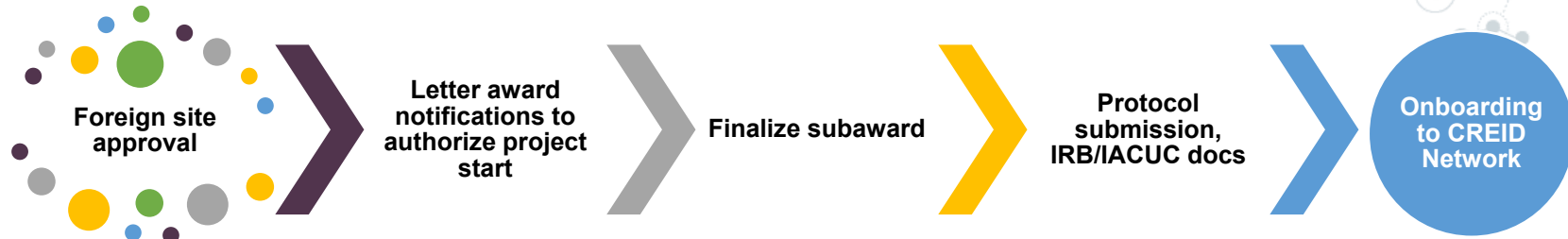


# Use Submission Checklists!

- Submission Checklists help ensure completeness
- Submit checklists with your LOI and Application



# Post-Award and Grants Management



- RTI initiates subaward process and flows down grant requirements from CC NIH award
- Negotiations can take weeks or months to complete
- Appropriate institutional officials need to be closely engaged for this negotiation process
- Delays in responses to RTI contract staff can delay establishing subaward
- RTI can establish subaward letters for awardee to expend up to 10% of award while negotiations take place

# NIH Grants Management Seminar

- NIH Virtual Seminar on Program Funding and Grants Administration
- November 1-4, 2021
- <https://nihvirtualseminar2021.vfairs.com/en/>



# Capacity Building Framework



# Questions

Danielle Wagner and Gretchen Van Vliet  
CREID Coordinating Center

