Awards Description and Criteria:

Up to $5.0 million in total awards will be made for applications submitted in 2020. Most awards will be in the $500,000 to $1,000,000 range, total costs, for 2 years. Applications requesting greater than $1,500,000 must provide rigorous justification for a large budget and that the work can be completed in 2 years. The general criteria for all applications are as follows:

- **Must be a joint project that the Mayo Clinic and the University of Minnesota could not perform individually**
- Must have two faculty co-PIs; one from the Mayo Clinic and one from the University of Minnesota
- Applications in all areas of human health, health-related and disease-related research are eligible
- **SPECIAL NOTE- Given the current COVID-19 pandemic, the Partnership is particularly interested in receiving applications on this subject. These can focus on diagnosis, testing, vaccines, treatments, viral pathogenesis, host response, and others.**
- Novel applications of recent advances in biotechnology, genomics, proteomics, imaging, and bioinformatics to solve unresolved questions in human health are strongly encouraged
- Must advance the understanding or evaluate the natural history/mechanism, prevention, diagnosis or treatment of a disease
- Must have a high expectation for successful completion of research goals in **two years**
- Expected to result in a successful NIH application (e.g., P-type, U-type or large R01) from each funded joint research project within two years of completion
- Ideally leads to the development of a commercializable product or clinical trial
Application Process:

**Please note that both the Letter of Intent and Full Proposal will be submitted online using REDCap surveys. The LOI submission link is identified below. An additional link will be sent if and when applicants are invited to submit a Full Proposal. If you have questions about this process, please contact Lauren Bigalke (bigal016@umn.edu).**

**Step 1**

1) A letter of intent, written jointly by Mayo and University co-PIs, must be submitted.

2) The letter of intent will be limited to **two pages** and must include:

   I. The title of the application and the identity of the PI’s at both institutions (i.e., the two co-PIs)
   II. A brief description of the hypothesis/specific aims and the experimental approach that will be deployed
   III. The role of both co-PIs and their respective research teams
   IV. Justification as to why the project could not be performed individually at Mayo or the University of Minnesota
   V. The total budget requested for a two-year study

   On separate pages following the letter, include NIH biosketches for both PIs.

3) **The letter of intent is due by 4:30 pm on Friday, June 26th, 2020.** The letter must be electronically submitted using the online form available at the following link: [LOI Submission Form](#).

4) Letters of intent will be screened for eligibility and overall competitiveness by a joint Mayo and University review panel. **Applicants invited to submit a full proposal will be notified in July 2020.**

**Step 2**

1) Full proposals should include the following:

   I. **Cover Page:**
      • Title of proposal
      • Names, degree(s), academic rank and institution of Co-PIs
      • Contact information - clearly identify the co-PI who will receive all correspondence (the “contact co-PI”), and the co-PI at the other institution.
      • Funding request: direct and indirect costs for both U and Mayo, and grand total
   II. **Abstract:** This section should provide a summary of the project (not to exceed 1/2 page).
   III. **Research Plan:** This section should include a full description of the study, including:
      - Background, Hypothesis/Specific Aims, Prior Work Summary (previous work on this project, both separately and as a team), Experimental Plan, and References.
      a. **SPECIAL NOTE-** Major granting agencies (e.g., NIH) and many journals require that sex as a biological variable be considered. Partnership applications should factor sex as a biological variable into research design, analysis and reporting in vertebrate animals and human studies, to the degree possible. If only a single sex is being used in the proposed studies the applicants must provide justification for their decision.
IV. **Disease-orientation:** This section should describe how the project could or will advance the understanding, prevention, diagnosis, or treatment of a disease.

V. **Timeline:** This section should describe the goals to be completed within 2 years. In addition, it should describe necessary steps and an estimated timeline at which point the outcome of the study could impact human health.

VI. **Synergy and Faculty Roles:** This section should describe why the project cannot be performed individually at the Mayo Clinic or the University of Minnesota. It should also describe the role of the two co-PIs on the project (be specific in describing which components will be performed at Mayo and which at the University). **Applicants are discouraged from including a lengthy list of co-investigators. Please include only individuals who will play a prominent role on the project.** For example, if the proposed study would be obtaining tissues that are collected as part of a clinical trial, it is not necessary to list as co-investigators every person enrolling patients on the clinical trial. As another example, if a standard antibody or vector is obtained from a colleague it is not necessary to include that colleague as a co-investigator.

VII. **Funding Sources:** This section should describe current or pending funding for both of the two co-PIs, and the degree to which the proposed study overlaps with current or pending awards.

VIII. **NIH Submission:** This section should describe how a subsequent NIH grant application will be developed and the approximate timeline.

IX. **Success:** This section should describe why the project has a high expectation for success.

X. **Commercialization Opportunities:** This section should discuss the potential for this research to result in a commercialized endpoint or clinical trial.

XI. **State-wide Impact:** This section should describe the potential impact of the project on the State of Minnesota.

XII. **Layperson Summary:** Provide a summary of the project that could be understood by a lay audience (not to exceed 1/2 page).

**Page limit for items I-XII is 11 pages, single-spaced, Arial or Helvetica typeface, font size 11 or larger, fully contained in a single PDF file. Page limitation includes references. Additional pages and attachments, except as noted below, will be ignored.**

XIII. **Letters of Support:** This section may contain letters of support that do not exceed 1 page.

XIV. **Biographical Sketches:** This section should include a biographical sketch (NIH format; must include Current and Pending Research Support) for each of the 2 co-PIs. **Do not include a lengthy number of biosketches for co-Is who play little role in the study.**

XV. **Resource Inventory:** This section should provide a listing of major resources at the two institutions available for the project.

XVI. **Budget:** This section should include a single line item budget showing direct and indirect costs, along with two separate budgets for expenditures at the Mayo Clinic and the University, each showing direct and indirect costs. Each institution should include full Facilities and Administrative (F&A) rates for their portion of the project (i.e., do not treat either institution as a subcontractor for purposes of determining indirect costs). Direct costs that are eligible include all allowable NIH costs, and faculty salary requests should be based on the current NIH cap if appropriate. Indirect calculations for equipment, patient care costs, etc., should be consistent with NIH policies.

2) A faculty member who is a co-PI on a currently funded Partnership Research Grant cannot be a co-PI on a new application. A faculty member may apply for only one grant per cycle on which he/she would be a co-PI. There is no limitation to the number of grants on which a faculty member would participate as a co-investigator or collaborator.
3) A proposal may be resubmitted once. A description of the changes made from a prior application can be included as part of the 11-page application. Please contact Lauren Bigalke (bigal016@umn.edu) if you need to resubmit your proposal.

4) Special instructions for University of Minnesota faculty: A Proposal Routing Form (PRF) is not required. However, your department may wish to approve your proposal prior to submission.

5) The deadline for receipt of complete proposals is Friday, September 4th, 2020 at 4:30 pm.

6) Applications must be submitted electronically as a single PDF file using additional REDCap link sent in email with invitation announcement.

*You may save and return to complete your submissions at any time using the code provided when the “Save and Return Later” option is selected. If you have questions, please contact Lauren Bigalke (bigal016@umn.edu).

**Review Process:**

- An internal peer review panel composed of Mayo and University faculty, appointed by the Partnership Executive Coordinating Committee, will review applications Fall 2020.
- The most scientifically promising proposals will be evaluated by the Mayo Clinic and University of Minnesota technology transfer offices for the likelihood that the proposed research will lead to the development of a commercializable product. This information will be used by the Executive Coordinating Committee of the Partnership to make funding decisions based on programmatic needs and the Partnership goals.
- Awards will be announced in Fall 2020.

**Reporting Requirements:**

Principal investigators of funded projects will be required to provide the following:

I. First Year Progress Report- Detailed report to be submitted online using REDCap after completion of the first year of funding

II. Final Progress Report- Detailed report including an accounting of all funds expended at the completion of the project

All reports will be submitted via a REDCap survey. Further information will follow upon receipt of award.

**Additional Information:**

Questions about the application process should be directed to:

Lauren Bigalke, Grants Program Coordinator
Office of Academic Clinical Affairs, Office of Dr. Tucker LeBien
bigal016@umn.edu

or

Joshua A. Derr, Research Administration
Mayo Clinic, Rochester
Derr.Joshua@mayo.edu