WHAT: The Dana Foundation - David Mahoney Neuroimaging Program: Using Brain and Immune Imaging Innovations to Improve Human Health
(http://www.dana.org/uploadedFiles/Pdfs/2018%20David%20Mahoney%20Neuroimaging%20RFP.pdf)

PURPOSE:
- To improve human brain and brain-immune functioning in order to promote health, and prevent and treat disease
- To support pilot-testing by investigators who are early in their research careers to enable them to pursue promising, high-risk, and innovative ideas that have a direct clinical application
- Investigations must be applicable to human brain or brain-immune functioning or malfunctioning to be considered for funding
- Submitted proposals should focus on imaging in patients or patient tissues, and healthy volunteers
- Applications for animal model studies of brain conditions or injuries will be considered only if they relate directly to humans but cannot yet feasibly be undertaken in humans, and are anticipated to be translated into human research following the three-year grant period
  - Such studies include research on:
    - Normal brain anatomy and physiology in the animal model that can help to better understand the roles of cells and networks in specific cognitive functions and how these are altered by disease and injury; and
    - Animal models of human diseases, either through transgenic methods or through naturally occurring or induced disease states that are directly related to the human condition.
- Applications should use either or both:
  - **Physiological and Structural imaging:** anatomical imaging of white or gray matter and measures of physiological functioning. These proposed studies should focus on patient-oriented clinical research.
  - **Cellular/molecular imaging:** biochemical actions of specific brain cells, or their interactions with immune cells, which have direct clinical relevance to human health and disease. These studies may involve human tissues or animal models. Applications can involve the study of cells within neural circuits, using a combination if imaging and single cell electrical recording, if the techniques have already been developed.

ELIGIBILITY:
- Investigators must apply through the SOM
- Faculty researchers who have demonstrated the potential for independent research careers who are at the assistant professor level, or in the first few years of their associate professor appointments
- Projects involving collaborations with NIH intramural researchers or industry scientists are acceptable
- Post-doctoral fellows are not eligible
• Applications from junior investigators that are an extension of the work of a senior mentor, particularly if from the same institution, are discouraged
• Must not have yet been awarded more than one independent research grant (R01 from the NIH or equivalent from another federal agency)

BUDGET AND PROJECT PERIOD:
• Grants up to $200,000
  o Foundation does not provide for indirect costs
  o Up to 10% of the total grant award may be used to purchase equipment for the study
  o Balance is to be used to meet direct research costs
  o Research that can be supported through clinical income should not be submitted
• Payable over 3 years

NUMBER OF APPLICATIONS UCSF MAY SUBMIT: 1

DUE DATES:
• INTERNAL DEADLINE: 11:59 PM, Thursday, January 4th, 2018
• Please note PIs may submit directly to the LSP; RMS does not get involved unless and until you are nominated
• Sponsor preliminary proposal deadline: Monday, February 5th, 2018

Submit the following in ONE PDF file by 11:59 PM, January 4, 2018, to: limitedsubmissions@ucsf.edu
1. Limited Submission Pre-proposal Cover Sheet with signatures (form attached to email)
2. Project Summary: the following five sections should total no more than two pages (including figures).
   a. Section I: A clearly and succinctly stated hypothesis.
   b. Section II: The aims of the proposed research project. What disease(s), disorder(s) or injuries would be better understood, diagnosed, or treated? Or, what normal brain function or brain-immune interaction would be better understood? Or, what imaging technology would be refined and for what specific purposes? Such technology development or modification aims need to be accompanied by initial evidence of the project’s feasibility.
   c. Section III: The research significance and potential clinical application(s) of the research.
   d. Section IV: The methods. Please clearly describe the research design and specify tests and analyses proposed to develop the pilot data. If enrollment of human participants is planned, please provide preliminary evidence that the number required can be recruited from the participating institution(s).
   e. Section V: The qualifications of the primary investigator(s) for undertaking the proposed research. What facilities and resources at the applicant institution(s) would be used in the Please provide evidence that required technologies would be available for this project.
3. NIH Bio-sketch (5-pg. max., including publications)
   (http://grants.nih.gov/grants/forms/biosketch-blankformat-Forms-D.docx)

The LSP is a selection process, not an award process. As the LSP is under significant time constraints, all reviewer feedback is optional. We encourage you to seek other avenues for proposal feedback
Sent by Lisa Howard, on behalf of the Research Development Office (RDO), Limited Submission Program (LSP)