

**ORPHAN DISEASE CENTER
JUMPSTART RESEARCH TOOLS MATCHING GRANT PROGRAM
FOR INDUCED PLURIPOTENT STEM CELLS**

The ODC JumpStart Research Tools Matching Grant Program provides a one-time matching grant to support the creation of induced pluripotent stem cells (iPSCs) to advance research on rare disorders. Awards will be \$16,000 each. The group/researcher must have \$8,000 in matching funds to obtain an award. Awards will be granted to create three patient-derived iPSC lines, which will include 5 vials of each clone.

Overview:

Induced pluripotent stem cells (iPSCs) have become an important tool for modelling and investigating human disease, screening drugs, and providing unlimited supply of human tissue for research.

This Research Tool grant program will partner with the Stem Cell Laboratory at the Coriell Institute to offer the opportunity for families or patient organizations to develop three high quality patient-derived iPSCs, as well as the opportunity to bank and broadly distribute them to the scientific community as research resources. This award will offset much of the cost of developing disease specific models of a rare disorder.

We are seeking grant applications that can justify the need for iPSCs for their rare disease. While the RFA is broad in scope, priority will be given to grants that cover the following areas:

1. Diseases for which patient-derived iPSCs do not already exist, in a shareable, accessible way.
2. Knowledge of researchers in need of patient-derived iPSCs

Eligibility

All foundation representatives, patients/caregivers, and academic researchers are eligible to respond to this RFA.

Full Application Instructions and Review Procedure

Release Date: Friday, October 22nd, 2021

Proposal Due Date: December 19th, 2021 before 6 pm ET

Full application documents are to be uploaded on our website

FORMAT for documents:

Use a black font color, and a font size of 11 points. A symbol font may be used to insert Greek letters or special characters. All text should be single-spaced.

CONTENT to be filled out on submittable application, found [here](#).

1) Information about the Applicant / Rare Disease Foundation or Organization

2) Background and Justification

Include brief summaries of the disorder and existing research. Provide a compelling rationale for the need/expected impact of the requested research tools.

3) Letters of support (3 minimum)

Include information regarding established scientific collaborations as well as any known demand for the iPSC lines. Letters of support should clearly support the development of these lines and the intent to purchase them once they are made available.

4) Matching Funding Source

The applicant must provide information regarding source(s) and availability of matching funds (\$8,000).

Terms and Conditions

- Applications will be judged on rationale, justification, and compelling need of the model.
- \$16,000 will provided by ODC, \$8,000 matching funds provided by applicant.
- Funds will be paid to service provider upon completion of services.
- Patient-derived iPSCs will be deposited in the ODC Biorepository at the Coriell Institute for broad distribution to qualified researchers.

For additional information, please contact Deborah Requesens at dreques@upenn.edu