IIDP Data Resource Trainee Scholar Award (DRTSA)

Informational Webinar
June 1, 2023
Joyce Niland, PhD, IIDP PI
Carmella Evans-Molina, MD, PhD, IIDP PI

NIDDK:
Kristin Abraham, PhD, Project Scientist
Tom Eggerman, MD, PhD, Program Officer
Providing high quality human islets, associated tissue, & rich data to the diabetes research community worldwide
HISTORY OF ISLET PROGRAM AT CITY OF HOPE

Integrated Islet Distribution Program

Sponsors
- National Center for Research Resource
- Juvenile Diabetes Research Foundation
- National Institute for Diabetes & Digestive Kidney Diseases
- National Institute for Diabetes & Digestive Kidney Diseases

IIDP
Integrated Islet Distribution Program

IIDP Grant Renewal

2002
2008 2009 2010 2011 2012 2017 2021 2026

Islet Cell Resource
JDRF
CIT

HISTORY OF ISLET PROGRAM AT CITY OF HOPE
Distributed around the World

Islets Isolated at 5 Current IICs

IIDP Research Data Repository (RDR) Accessible

Data Collected from IICs & UNOS

Islet Phenotyping Data Generated by IIDP HIPP (VUMC)

Genetic Risk Scores Analyzed by IIDP HIGI (Stanford)
IIDP’S IMPACT ON DIABETES RESEARCH

- 2,130 ISOLATIONS
- 279 MILLION ISLETS SHIPPED
- 544 STUDIES
- 844 PUBLICATIONS
Overall Objectives and Scope:

- Advance research in human pancreas biology and islet research by providing trainees with support and access to detailed donor and islet data via the IIDP’s Research Data Repository (RDR).

- Enable important secondary analyses to explore the relationships among donor characteristics, islet phenotyping, and genetic risk.

Award Information:

- Subcontract mechanism

- Limited to $10,000 including any applicable F&A costs (at 8% of modified total direct costs)

Key Dates:

- Posted Date: May 16, 2023
- Letter of Intent: June 15, 2023 (courtesy only)
- Application Due Date: July 17, 2023
- Scientific Review: 6-8 weeks post receipt
- Start Date: October 1, 2023
**ELIGIBILITY**

**Eligible Organizations**

- Private Institutions of Higher Education
- Nonprofits Other Than Institutions of Higher Education
- For-Profit Organizations
  - Small Businesses/For-Profit Organizations (Other than Small Businesses)
- Foreign Institutions Not Eligible
  - Non-domestic (non-U. S.) Entities (Foreign Institutions) are NOT eligible to apply.
  - Non-domestic (non-U. S.) components of U.S. Organizations are NOT eligible to apply.
  - Foreign components, as defined in the NIH Grants Policy Statement, are NOT allowed.

**Eligible Individuals**

- Individuals must currently be in a mentored predoctoral or postdoctoral trainee position.
- Postdoctoral Fellows: Candidate must hold a PhD, MD, MD/PhD, or equivalent degree signifying comparable academic and research experience.
- Graduate/Medical Students: Candidate must be currently enrolled in a PhD, MD, or equivalent degree program (e.g., EngD, DNSc, DrPH, DSW, PharmD, ScD) in the biomedical, behavioral, or clinical sciences at a domestic institution (or visiting foreign student with mentor on faculty at domestic institution).
Research Strategy

- Project Summary
- Significance
- Innovation
- Approach

Approach:

- overview of the statistical design and analysis plan;
- description of methods and analyses to be used to accomplish aims;
- discussion of potential difficulties and limitations and how these will be overcome or mitigated;
- expected results, and alternative approaches if needed;
- timetable of work to be pursued;
- discussion of how results will be collected, analyzed, and interpreted;
- description of any new statistical or data mining methodology to be used and why it represents an improvement over existing methods.
Evaluation Method
- External Peer Review
- Technical & Scientific Merit
- NIH Scoring Convention (1-10)
- Overall Impact Score

Individual Review Criteria
- Significance
- Innovation
- Approach
- Investigator & Mentor
- Environment

Application Selection Process
- External Peer Review
- Final funding decision made by the IIDP
  - Scientific and technical merit

Final Decisions: August 1, 2023
Upon conclusion of your project:

- Award recipients will be asked to provide feedback on design/functionality of the RDR
- Assist the IIDP in improving the RDR’s future functionality and utility

Apply online at:
https://redcap.coh.org/surveys/?s=DLRM8D4K3LC7WW4W
Fully integrated Research Data Repository (RDR) on >1400 IIDP human islet isolations
Data available from 2010 onward, with > 200 data fields per isolation
Data from our Islet Isolation Centers, UNOS, Human Islet Phenotyping Program (HIPP) & Human Islet Genotyping Initiative (HIGI)
Convenient way for investigators to search and download this integrated database for phenotype/genotype correlations and other analyses into human islet function

+1,400 Donors
OVERVIEW OF THE RDR

- RDR Public website: https://iidp.coh.org/Investigators/Research-Data-Repository
- Graphs of cohorts available
- Data dictionary fields and sample sizes

- Full RDR Data Dictionary with field names and coding structure
  - Will be sent to each applicant at the start of their application
QUESTIONS?

IIDP.COH.ORG/DRTSA_2023
IIDP-EMAIL@COH.ORG
@iidp_at_coh
@IntegratedIsletDistributionProgram