



**Request for Proposals (RFP)
for Affiliated Islet Isolation Centers (IICs)**

**Informational Webinar
January 24th, 2022**

**IIDP ISLET
ISOLATION
CENTER (IIC)
RFA
INFORMATIONAL
WEBINAR**

**HOSTED
BY . . .**

Joyce Niland, IIDP Principal Investigator (PI)

Carmella Evans-Molina, IIDP PI

James Cravens, IIDP Program Manager

Barbara Olack, IIDP Sr. Research Coordinator

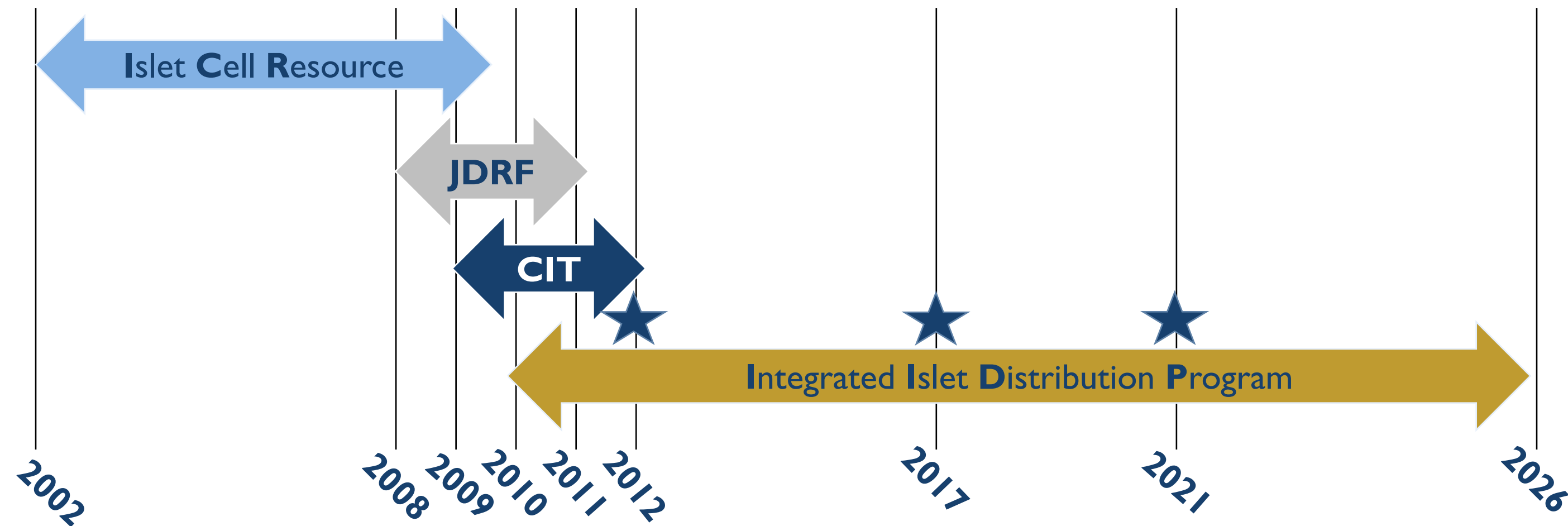
NIDDK:

Kristin Abraham, Project Scientist

Sheryl Sato, Program Officer

HISTORY OF ISLET PROGRAM AT CITY OF HOPE

★ IIDP Grant Renewal



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'S RESEARCH IMPACT

...BY THE NUMBERS

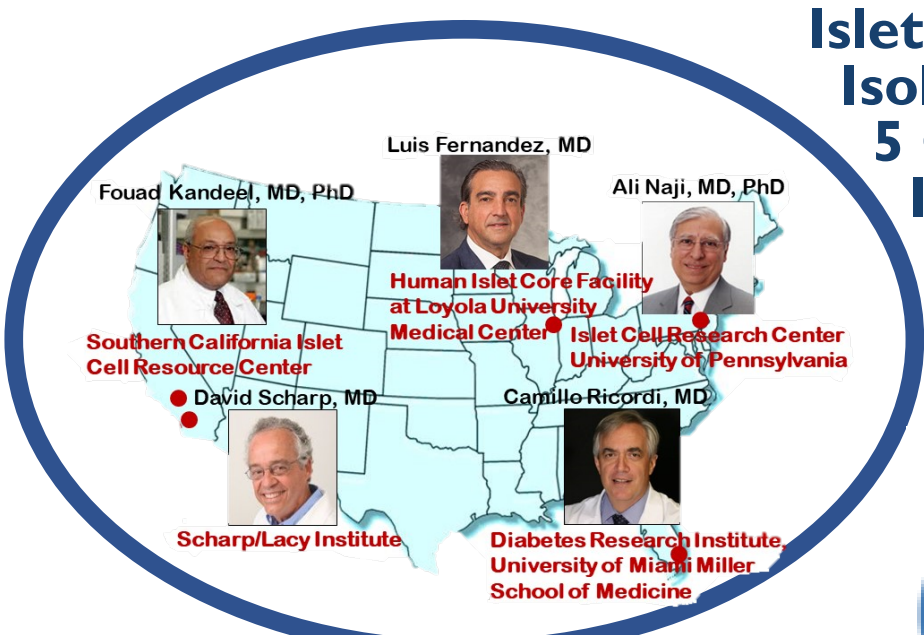
Since Program Inception:

- Averaged over 1,000 islet shipments per year
- Over 490 studies supported to date
 - ...across 16 countries
 - ...totaling over 271 million IEQ
- 78 pilot awardees (over 9.1 million IEQ)
- 814 publications using IIDP/ICR islets
- Over 1 million flash frozen IEQ shipped

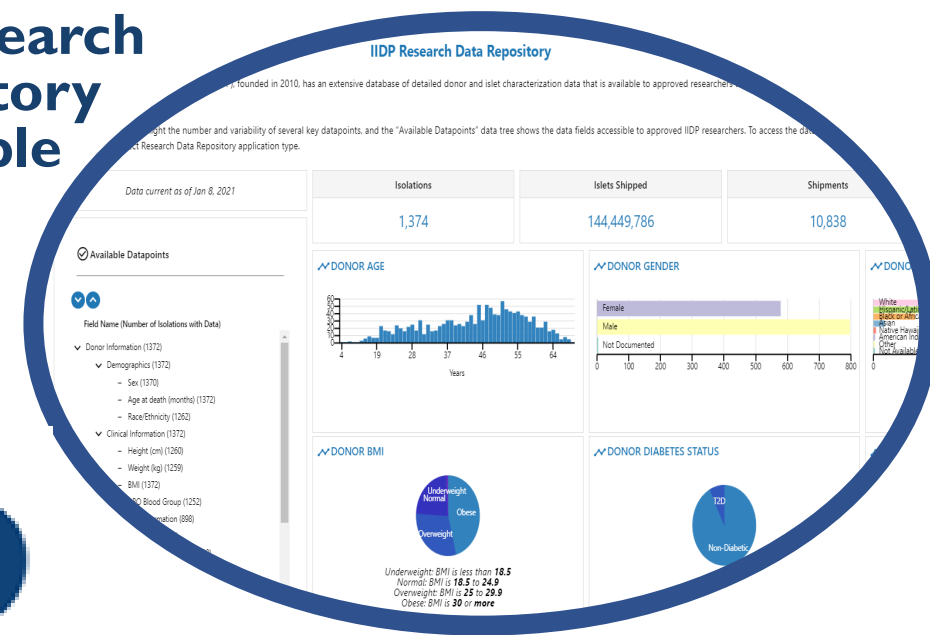
Most Recent IIDP Statistics:

- Over \$19.4 million reimbursed to IICs (2010-)
- Processed 1,942 subscription payments (2010-)
- Over \$1.7 million Opportunity Pool funds issued (2011-)
- Over 10.5 million T2D IEQ distributed (2011-)
- 460 pancreas histology samples provided (2014-)
- 347 HIPP samples phenotyped (2017-)
- 72 NIPT shipments (2019-)
- Over 300 genetic risk scores analyzed (2020-)

SCHEMATIC OF IIDP ISLET & DATA FLOW



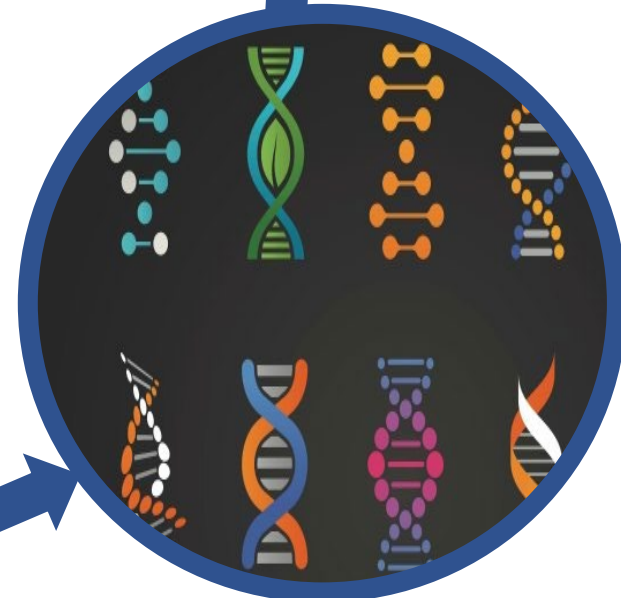
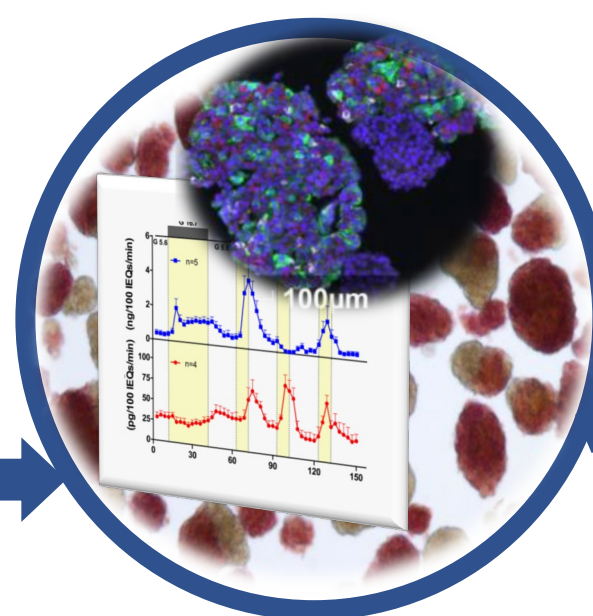
IIDP Research Data Repository (RDR) Accessible



Distributed around the Globe



Data Collected from IICs & UNOS



Genetic Risk Scores Analyzed

CURRENT IIDP GRANT

Limited

Competition for

Continuation of
the Integrated Islet

Distribution

Program

- ❖ New U24 grant mechanism requires issuance of this Request for Proposals (RFP)
- ❖ Identify and evaluate expert human IICs to continue to provide high quality human islets and related tissues in a dependable, consistent, cost-effective manner
 - IIC application process: Jan 3 to March 31, 2022
 - Awardees announced in June 2022
 - Initial contracts issued for Aug 1, 2022 through July 31, 2023
 - Opportunity for annual renewals through July 31, 2026

RFP FOR EXPERIENCED ISLET ISOLATION CENTERS

Overall Objectives and Scope:

- ❖ Applicants should document experience/proficiency in procuring and processing human islets for research use
- ❖ Agree to utilize IIDP Policies & Procedures for Islet Isolation Centers

Award Information:

- ❖ Subcontract mechanism: new or renewal, anticipate 5-6 total IIC awards
- ❖ Reimbursement for shipped islets & associated tissue

Key Dates

Posted Date:	January 3, 2022
Informational Webinar:	January 24, 2022 at 11 am PST
Letter of Intent Due Date:	February 28, 2022
Application Due Date:	March 31, 2022
Scientific Review:	April 4-May 6, 2022
Announcement of Awardees	June 2022
Start Date:	August 1, 2022
End Date:	July 31, 2023
	Potential renewals annually through July 31, 2026

RFP FOR EXPERIENCED ISLET ISOLATION CENTERS

What Organizations Are Eligible?

- ❖ Higher Education Institutions
 - Public or Private
- ❖ Non-Profits
 - With or without a 501c(3)
- ❖ For-Profit Organizations
 - Small or large businesses
- ❖ Institutions from North America

Who Can Be a Program Director?

- ❖ Any individual with requisite knowledge, skills, & track record of success in leading large multi-component resource intensive programs

AND

- ❖ Experience providing islet resources to the diabetes research community

Apply online at:

https://iidp.coh.org/IIC_RFP

Log In

Register

APPLICATION PROCESS



OMB No. 0925-0001 and 0925-0002 (Rev. 10/2021 Approved Through 09/30/2024)

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors. Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME:

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE:

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
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IIC Research Strategy: (up to 10 pages, uploaded file)

- ❖ Overall Description
- ❖ Prior Experience (Table & Questions)
- ❖ Management Plan
- ❖ Personnel & Infrastructure
- ❖ Approach

Approach:

- ❖ Workflow
- ❖ Isolation Capacity
- ❖ Data Handling
- ❖ Shipping and Geographical Reach
- ❖ Estimated Cost per IEQ (Table)
- ❖ Innovation ←

APPLICATION PROCESS: Reimbursement Schedule & Cost Estimates

IIC Compensation Schedule as of September 24th, 2021:

Human Islets

Non-Profit Recipients	Non-diabetic donors	\$0.12 per IEQ
	T2D donors	\$0.20 per IEQ
For-Profit Recipients	Non-diabetic donors	\$0.19 per IEQ
	T2D donors	\$0.24 per IEQ
Flash Frozen Islets	1,000-IEQ vial	\$120 per vial
Pancreas Sample for Histology		\$250 per islet isolation
Non-Islet Pancreatic Tissue (Acinar)	Researchers and HIGI	\$200 per sample

To the best of your ability, please provide estimates for the following costs per isolation:

	Mean	Min	Max
Pancreas procurement	<input type="text"/>	<input type="text"/>	<input type="text"/>
Staffing	<input type="text"/>	<input type="text"/>	<input type="text"/>
Materials & supplies	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other islet isolation costs	<input type="text"/>	<input type="text"/>	<input type="text"/>

APPLICATION PROCESS:

Center Experience in Islet Isolation

Number of years experience in isolating islets?

In the past 5 years, number of:

- ❖ Isolations performed
- ❖ IEQ isolated
- ❖ Islet shipments
- ❖ IEQ shipped
- ❖ Investigators receiving IEQ
- ❖ International shipments

Islet Quality Information

Provide the mean, min and max of the following parameters across all isolations for the past 5 years.

	Mean	Min	Max
IEQ	<input type="text"/>	<input type="text"/>	<input type="text"/>
Islet Grade (0-10)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Purity %	<input type="text"/>	<input type="text"/>	<input type="text"/>
Viability (%)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Potency (Stimulation Index)	<input type="text"/>	<input type="text"/>	<input type="text"/>

Contamination Problems?

APPLICATION PROCESS: OPOs & Director Experience

Relationships with OPOs

- ❖ List of OPOs with whom you work
- ❖ # of pancreata projected per year

Director Qualifications

- ❖ Background
- ❖ Expertise in islet biology
- ❖ Ability to provide high quality service
- ❖ Affiliation with diabetes community

Letters of Recommendation

Certification of IIDP SOP Adoption

IIC APPLICATION REVIEW PROCESS

Evaluation Method

- ❖ External Peer Review
- ❖ Technical & Scientific Merit
- ❖ NIH Scoring Convention (1-10)
- ❖ Overall Impact Score

Individual Review Criteria

- ❖ Overall strategy & prior experience
- ❖ Management plan, personnel & available infrastructure
- ❖ Approach
- ❖ Environment

Application Selection Process

- ❖ External Peer Review
- ❖ Recommended applications receive 2nd review from IIDP External Scientific Panel
- ❖ Final funding decision made by the IIDP
 - Scientific and technical merit
 - Relevance & benefit to program priorities

Final Decisions: June 2022

BENEFITS OF IIDP MEMBERSHIP



- ❖ Use of existing IIDP distribution infrastructure
- ❖ Fair & equitable islet placement via IIDP's Matching Algorithm for Islet Distribution (MAID)
- ❖ Access to IIDP's international, expanding researcher base
- ❖ Participate with IIDP & IICs on program advancements

Efficient
Distribution of
Islets &
Associated Tissue

BENEFITS OF IIDP MEMBERSHIP



- ❖ UNOS donor data download
- ❖ IIDP Human Islet Phenotyping Program (HIPP) data
- ❖ IIDP Human Islet Genotyping Initiative (HIGI) data
- ❖ Research Data Repository (RDR) integrated data & reports

Access to
Expansive IIDP
Data

BENEFITS OF IIDP MEMBERSHIP



- ❖ IIDP pays for:
 - ❖ Islet culture media
 - ❖ Packaging materials
- ❖ Bi-monthly reimbursement for:
 - ❖ Islet shipments
 - ❖ Freezing of islets
 - ❖ NIPT (acinar) shipments
 - ❖ Pancreas samples
- ❖ Opportunity Pool funds available for:
 - ❖ Bonus islets to researchers
 - ❖ Credits for shipping issues
 - ❖ T2D islet supplement
 - ❖ Future initiatives...

Financial
Incentives

BENEFITS OF IIDP MEMBERSHIP



Importantly....

- ❖ Expand the reach of your critical contribution to advancing science toward the prevention and cure of diabetes

QUESTIONS?



IIDP.COH.ORG/IIC_RFP



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IIDP-EMAIL@COH.ORG



[@IntegratedIsletDistributionProgram](https://www.facebook.com/IntegratedIsletDistributionProgram)