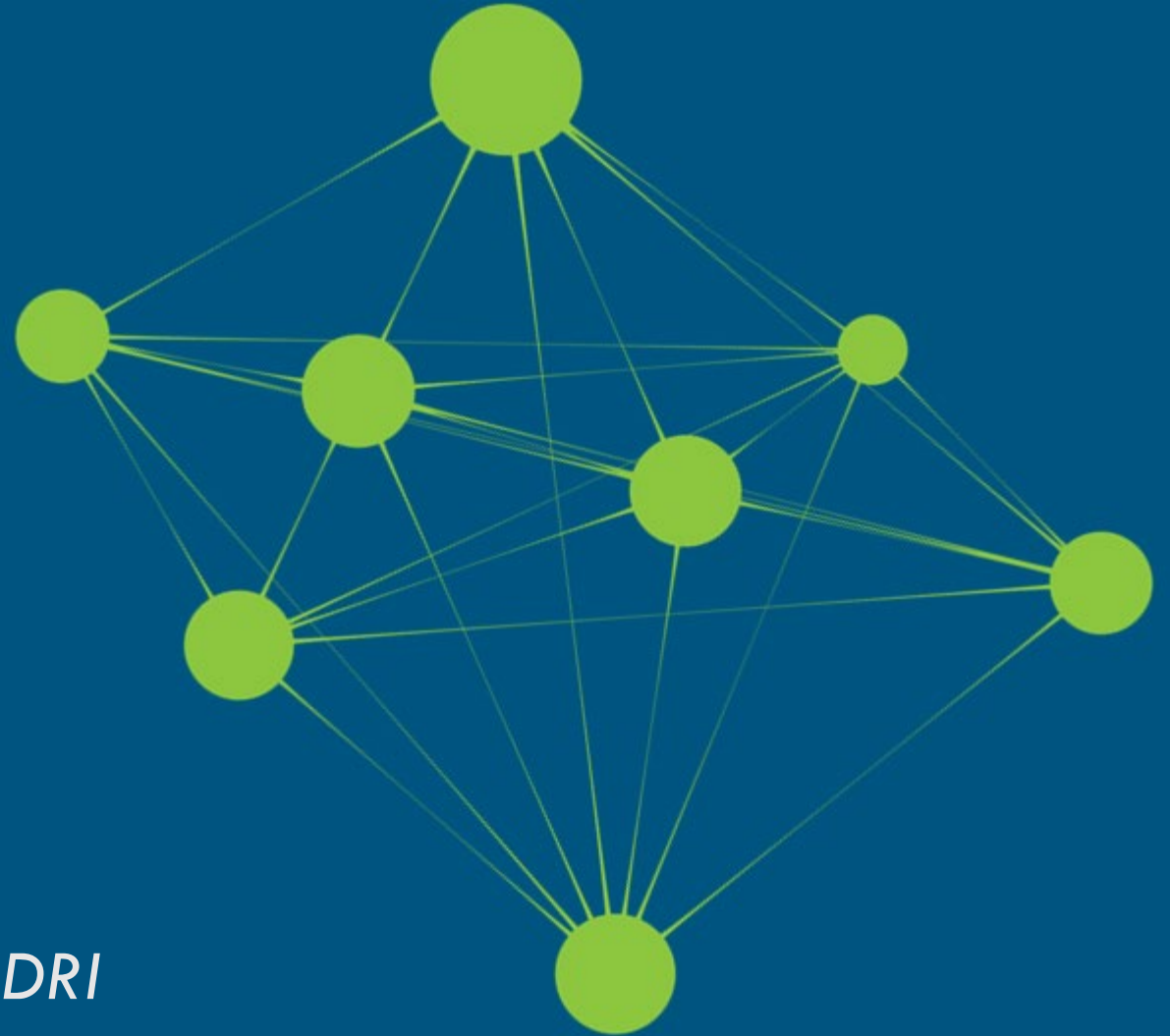


# NDRI – HTORR Introduction

*Valerie Estela-Pro, PhD*

*External Scientific Affairs Manager, NDRI*



# 1. Introduction to NDRI: Who we are

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## National Disease Research Interchange

**Our mission:** To provide human biospecimens worldwide to advance biomedical/bioscience research and development as well as education in the life sciences.

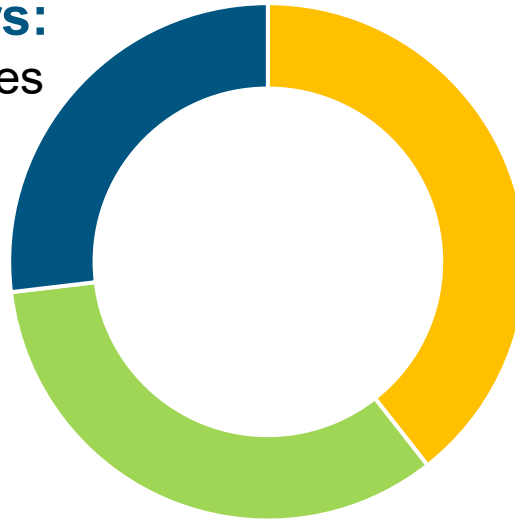
- Founded in 1980
- 501 c (3) corporation governed by Board of Directors
- Funded in part by the National Institutes of Health for over 30 consecutive years
- Provide thousands of biospecimens to our global researcher network annually
- Contribute to over 200 hundred publications annually

# 1. Introduction to NDRI: Who we serve

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## Academic Researchers:

- Colleges and Universities
- NIH Institutes
- Research Institutes



## Special Initiatives

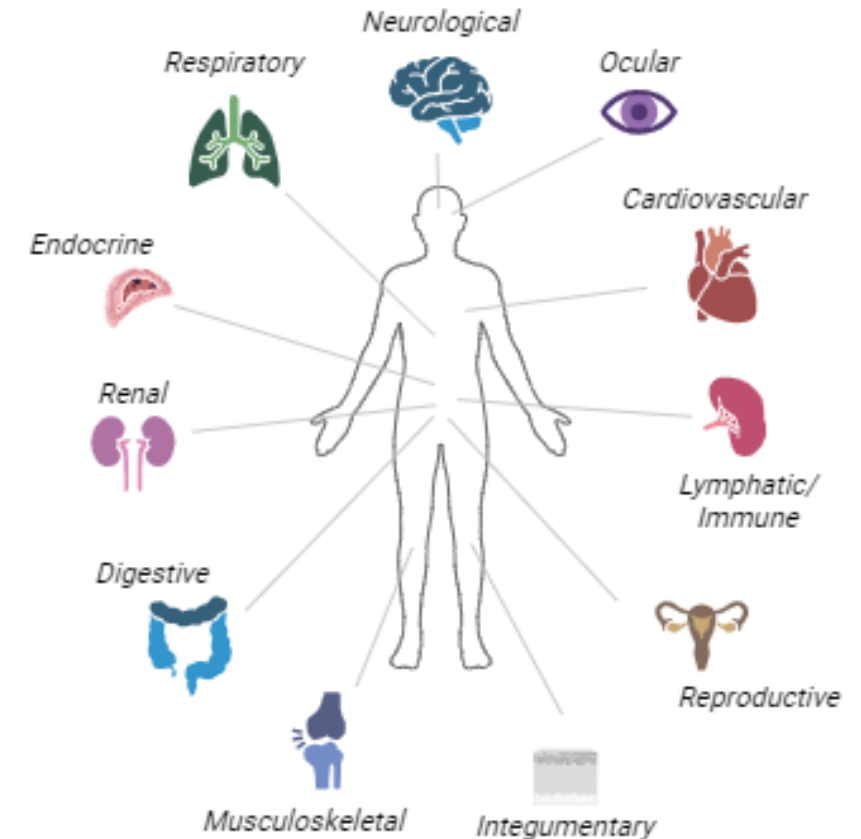
- NIH Consortia
- Patient Advocacy Groups & Foundations
- Government Contractors

## Corporate Researchers:

- Pharmaceutical Groups
- Biotechnology Groups

# 1. Introduction to NDRI: What we provide

- **Prospective procurement of diseased and control human biospecimens from any body system**
- Access to a diverse range of donor populations
- Customized procurement protocols
- Various preservation formats including fresh, frozen, and fixed
- Letters of support and budgetary information for grant applications
- Timely response to requests and 24/7 distribution



# 1. Introduction to NDRI: How it works



**NDRI is a not-for-profit organization, but there are fees associated with tissue procurement.**

Specifically:

- While all organs and tissues are donated gifts, we reimburse recovery techs and organizations for their time and labor
- Various preservation methods incur specific costs
- Shipping biological materials incurs additional costs

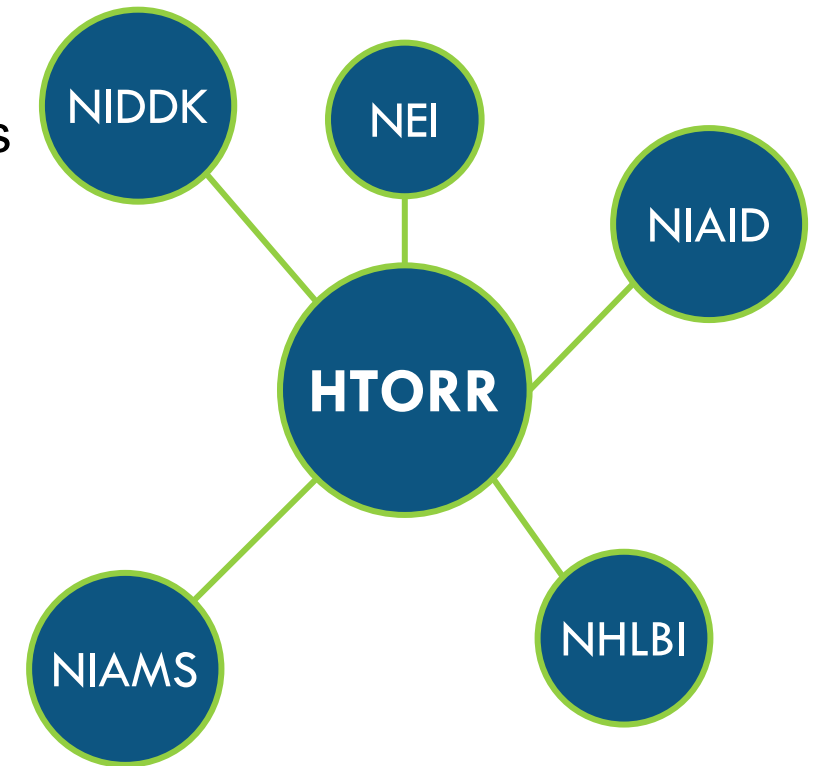
## 2. Introduction to HTORR

### Human Tissues and Organs for Research Resource

The HTORR program is supported by:

NIH Office of the Director, Office of Research Infrastructure Programs (ORIP)

- National Eye Institute (**NEI**)
- National Heart, Lung, and Blood Institute (**NHLBI**)
- National Institute on Aging (**NIA**)
- National Institute of Allergy and Infectious Diseases (**NIAID**)
- National Institute of Arthritis and Musculoskeletal and Skin Diseases (**NIAMS**)
- National Institute of Diabetes and Digestive and Kidney Diseases (**NIDDK**)



## 2. Introduction to HTORR

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### Human Tissues and Organs for Research Resource

- HTORR allows NDRI to provide our services to researchers funded by our NIH supporters with additional benefits including:
  - Reduced costs for tissue procurement
  - Technical support to assist in designing studies utilizing human biospecimens
  - Letters of support and budgetary information for grant applications
  - *Coming soon: Pathology services included*
  - *Coming soon: Eligibility for Pilot Award Program*

# 3. How to get started

## Fill out the Feasibility Application

- 2-page document detailing:
  - PI information
  - Project information
  - Requested biospecimens
  - Preservation
  - Recovery details
  - Procurement frequency
  - Requested donor criteria

## Feasibility Application



<https://ndriresource.org/for-researchers/request-tissue/>

**NDRI**  
Empowering Research and Discovery

**FEASIBILITY APPLICATION**

**PRINCIPAL INVESTIGATOR**

Principal Investigator: \_\_\_\_\_ Position/Title: \_\_\_\_\_  
Degree: ☐ PhD ☐ MD ☐ MS ☐ BS ☐ Other: \_\_\_\_\_  
Institution: \_\_\_\_\_ Department: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_  
Have you previously worked with NDRI? ☐ Yes ☐ No

**SHIPPING ADDRESS**

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_  
Street: \_\_\_\_\_ Building/Department: \_\_\_\_\_  
Institution: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_

**PRIMARY PROJECT CONTACT**

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Work Phone: \_\_\_\_\_ Lab Phone: \_\_\_\_\_  
Mobile Phone: \_\_\_\_\_ Home Phone: \_\_\_\_\_  
Best 1<sup>st</sup> phone: ☐ Mobile ☐ Work ☐ Home ☐ Lab Best 2<sup>nd</sup> phone: ☐ Mobile ☐ Work ☐ Home  
Email Address: \_\_\_\_\_

**HOW DID YOU HEAR ABOUT NDRI?**

☐ Email ☐ Conference ☐ Web Search  
☐ NDRI Website ☐ Colleague ☐ Publication (PMID): \_\_\_\_\_  
☐ Social Media ☐ Previous NDRI Researcher ☐ Other: \_\_\_\_\_

**PROJECT INFORMATION**

Project Title: \_\_\_\_\_  
Public Health Relevance Statement (50 words or less): \_\_\_\_\_

Research Area: \_\_\_\_\_ Do you currently have funding for this project? ☐ Yes ☐ No Will you require a letter of support? ☐ Yes ☐ No  
What is your primary funding source? \_\_\_\_\_ NIH Institute (if applicable): \_\_\_\_\_  
Name any additional sources of funding: \_\_\_\_\_

**REQUESTED BIOSPECIMENS**

| Tissue Type | Disease State (or Normal) |
|-------------|---------------------------|
|             |                           |
|             |                           |
|             |                           |
|             |                           |
|             |                           |

If you are requesting more than one tissue type, do you require that all types are recovered from the same donor? ☐ Yes ☐ No

**FEASIBILITY APPLICATION**

**PROCUREMENT FREQUENCY**

Per tissue type, how many donors and specimens will you be requesting? Donors: \_\_\_\_\_ Specimens per donor: \_\_\_\_\_  
Per tissue type, what is the maximum frequency at which you can receive specimens? ☐ Per Day ☐ Per Week ☐ Per Month ☐ Any Frequency  
Indicate any days you are ABLE to accept deliveries, including weekends: ☐ Mon ☐ Tues ☐ Wed ☐ Thurs ☐ Fri ☐ Sat ☐ Sun

**PRESERVATION**

Fresh (4°C) ☐ DMEM with antibiotics ☐ PBS with antibiotics ☐ UW/SPS-1 or HTK (low-PMI donors only)  
☐ Optisol (ocular only) ☐ Moist Chamber (ocular only) ☐ Researcher Supplied Media (specify): \_\_\_\_\_  
Frozen (80°C) ☐ Fresh-Frozen ☐ Snap Frozen ☐ Frozen in OCT  
Fixed ☐ 10% Formalin ☐ Formalin Fixed Paraffin Embedded (FFPE) ☐ Researcher Supplied Media (specify): \_\_\_\_\_  
If you are requesting more than one preservation method, will you require both methods per donor? ☐ Yes ☐ No

**RECOVERY INFORMATION**

Donor Stream Preferences including Post-Mortem Interval (PMI) before recovery & Hours Post to Delivery Interval (HPD, only for fresh recoveries)

☐ Surgical Discard PMI < 6 hours ☐ Organ Donor PMI < 6 hours ☐ Tissue Donor PMI 14-24 hours ☐ No Preference  
HPD < 24 hours HPD 24-36 hours HPD 36-72 hours  
Do you have any additional procurement or preservation requests? \_\_\_\_\_

**REQUESTED DONOR CRITERIA**

Age Range: Minimum \_\_\_\_\_ to Maximum \_\_\_\_\_ Race: ☐ Asian ☐ Black ☐ Caucasian ☐ Hispanic ☐ Male ☐ Female  
☐ No Preference ☐ Other (specify): \_\_\_\_\_ Sex: ☐ Male ☐ Female  
Will you require infectious disease testing for HIV, Hepatitis B, and Hepatitis C? ☐ Yes ☐ No  
If no, indicate whether a high-risk donor would be acceptable if: ☐ Infectious Disease Negative ☐ Med/Social History Available ☐ Never Acceptable  
Are increased risk donors acceptable? ☐ Yes ☐ No  
Is sepsis acceptable? ☐ Yes ☐ No  
Is a history of cancer acceptable? ☐ Yes ☐ No  
Is a history of chemotherapy acceptable? ☐ Yes ☐ No  
Is a history of radiation acceptable? ☐ Yes ☐ No  
If only certain cancer types are unacceptable, please notate those types here: \_\_\_\_\_  
If acceptable with site-specific restrictions, ☐ Head/Neck ☐ Arms  
☐ Yes ☐ No ☐ Required ☐ Torso ☐ Legs  
Is a history of tobacco use acceptable? ☐ Yes ☐ No ☐ Required  
Is a history of alcohol use acceptable? ☐ Yes ☐ No ☐ Required  
Is a history of illicit drug use acceptable? ☐ Yes ☐ No ☐ Required  
Are there medications that would make a donor unacceptable for your research? ☐ Yes ☐ No  
If yes, list unacceptable medications: \_\_\_\_\_  
Are there comorbidities/co-infections that would make a donor unacceptable for your research? ☐ Yes ☐ No  
If yes, list unacceptable diseases: \_\_\_\_\_

National Disease Research Interchange Feasibility Application 11.4.km002 v5.0