Fogarty-IeDEA Mentorship Program

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Stephany Duda
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Beverly Musick
For
IeDEA
https://www.iedea.org
Objectives

• Become familiar with the IeDEA Network
  ➢ Regions and countries within regions
  ➢ Contact information

• Develop an understanding of the components of the Fogarty-IeDEA Mentor Program (FMP)

• Develop an understanding of the eligibility criteria for this RFA

• Review the application process for the FIMP

• Develop familiarity with the IeDEA Data Exchange Standard
Who we are: The International Epidemiology Databases to Evaluate AIDS (IeDEA) Collaboration was established in 2006 by NIAID to provide a rich resource for globally diverse HIV/AIDS data
Where We are:

- **Asia-Pacific:** Cambodia, China and Hong Kong SAR, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, Vietnam
  - Data Center: Kirby Institute, University of New South Wales, Sydney, Australia

- **Caribbean Central and South America (CCASAnet):** Argentina, Brazil, Chile, Haiti, Honduras, Mexico, Peru
  - Data Center: Vanderbilt University, Nashville US

- **Central Africa:** Burundi, Cameroon, Democratic Republic of Congo, Republic of Congo (RoC), Rwanda
  - Data Center: Albert Einstein College of Medicine, New York US; City University of New York, New York US

- **East Africa:** Kenya, Tanzania, Uganda
  - Data Center: Indiana University, Indianapolis, US; Moi University, Eldoret, KE; Infectious Disease Institute, Kampala, UG

- **Southern Africa:** Lesotho, Malawi, Mozambique, South Africa, Zambia, Zimbabwe
  - Data Center: University of Cape Town, Cape Town, South Africa; University of Bern, Bern, Switzerland

- **West Africa:** Benin, Burkina Faso, Cote d’Ivoire, Ghana, Mali, Senegal, Togo
  - Data Center: University of Bordeaux, Bordeaux, France
Our Purpose

• The IeDEA Cohort Consortium collaborates to collect and define key variables, harmonize data, and implement methodology to effectively pool data as a cost-effective means of generating large data sets to address high priority research questions and streamline HIV/AIDS research.
Track Record of Training ESI

153 Mentees
Areas of Training

HIV
Biostatistics

Adult
Epidemiology

PMTCT

Pediatric

HIV2

Mental Health Modeling

Cardiovascular

Hepatitis

Immunology

Hematology

Hepatitis B

Viral Suppression

Drug Use

Care Continuum

Viral Suppression

Genetic

Alcohol Cytopenia

Differentiated Care Models

Pregnancy

Neurodevelopment

Neurodevelopment

Treat All Stigma

Neurodevelopment

Care Providers

Substance Use

PrEP

Substance Use

Data Science

Multimorbidity

Retention Dolutegravir

Adolescent HIV
Fogarty-IeDEA Mentoring Program (FIMP)

- 6 IeDEA regions working in low- and middle-income countries have created training opportunities
- Within each region, two 24-month mentee slots will be open, for a total of 12 positions globally.
Program Description

• As part of the FIMP, mentees will:
  o Have access to IeDEA regional data for analyses.
  o Participate in intensive mentoring sessions with scientists affiliated with a Regional Data Center (RDC)
    o Year 1: Project Initiation, one-on-one mentoring from implementation scientists/epidemiologists, data managers, biostatisticians, and other analysts, as appropriate to their project
    o Year 2: Manuscript Development
  o Biweekly mentoring through the duration of the program
  o Receive support to attend at least one local or regional scientific meeting (Virtual or In-person)
  o Receive data management and analytic support

• Anticipated Program Deliverables:
  o One submitted meeting abstract
  o One submitted manuscript
  o Potential for one additional draft manuscript

  o Salary support will not be available
Applicant Qualifications:

• Minimum of a Master’s degree in public health, epidemiology, biostatistics, or a related biomedical or computational field
• Prior experience in the area of HIV
• Current or former D43 trainee or IeDEA-affiliated regional investigator
• Basic understanding of and skills in epidemiology, data management and analysis
• Citizen of a low- or middle-income country
Application Requirements:

• **Curriculum Vitae** or NIH standard biosketch

• **Writing Sample:** Either
  - a personal statement including a discussion of your career goals (1 page limit) **OR**
  - up to 3 PDFs of accepted abstracts, presented posters, or published/accepted manuscripts from the past five years

• **Concept Sheet** (standardized template)

• **Mentor Review**
  - For D43 or former Trainee: mentor from your D43 program should complete
  - For IeDEA affiliated investigator: a designated site or regional data center investigator should complete
  - Review includes an assessment of skills & a letter of support
## Concept Sheet:

Template is provided as a Word Document in the online Application (see next section.)

<table>
<thead>
<tr>
<th>Title:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mentee name:</td>
</tr>
<tr>
<td>Email:</td>
</tr>
<tr>
<td>Mentor name:</td>
</tr>
<tr>
<td>Email:</td>
</tr>
<tr>
<td>IeDEA Region:</td>
</tr>
<tr>
<td>Project outline: (±1000 words)</td>
</tr>
<tr>
<td>Background: (1-2 paragraphs on the rationale for this analysis)</td>
</tr>
<tr>
<td>Objectives and hypotheses: (2-3 Objectives or questions)</td>
</tr>
<tr>
<td>Study design: (e.g. Case-Control, retrospective cohort)</td>
</tr>
<tr>
<td>Eligibility criteria: (e.g. all individuals &lt;18 years of age, all individuals &gt;40 years, all individuals on ART)</td>
</tr>
<tr>
<td>Key variables: (Refer to the Condensed IeDEA Data Exchange Standard (C-IeDEA DES) for available variables and definitions)</td>
</tr>
<tr>
<td>Outcomes and definitions: (e.g. Death, lost to follow-up, viral suppression, retention)</td>
</tr>
<tr>
<td>Statistical methods:</td>
</tr>
<tr>
<td>References:</td>
</tr>
</tbody>
</table>
## Participating Regions

<table>
<thead>
<tr>
<th>IeDEA Region</th>
<th>Countries</th>
<th>Topic Areas</th>
<th>Contact</th>
</tr>
</thead>
</table>
| Asia-Pacific | Cambodia  | • Long-term HIV treatment outcomes  
               China and Hong Kong SAR  
               • Aging  
               India  
               • Hepatitis  
               Indonesia  
               • Mental health  
               Japan  
               • Substance use  
               Malaysia  
               • Other NCDs  
               Philippines  
               • Adolescent HIV incl. transition  
               Singapore  
               South Korea  
               Taiwan  
               Thailand  
               Vietnam  | D43 Director Contact:  
               Annette Sohn  
               Annette.sohn@treatasia.org  
               Applicant Contacts:  
               Dhanushi Rupasinghe  
               drupasinghe@kirby.unsw.edu.au  
               Awachana Jiamsakul  
               Ajiamsakul@kirby.unsw.edu.au |
| CCASAnet     | Argentina  | • Epidemiology, continuum of care  
               Brazil  
               • TB/HIV  
               Chile  
               • NCDs, cancer  
               Haiti  
               • Adolescent HIV  
               Honduras  
               • Pregnancy outcomes and reproductive health  
               Mexico  
               • Analytic methods and data quality  
               Peru  
               • Data collection and data harmonization methodologies  | D43 Director Contact:  
               Catherine McGowan  
               c.mcgowan@vumc.org  
               Applicant Contacts  
               Hilary Vansell  
               hilary.vansell@vumc.org |
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<th>Countries</th>
<th>Topic Areas</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Africa</td>
<td>Burundi&lt;br&gt;Burundi&lt;br&gt;Cameroon&lt;br&gt;Democratic Republic of Congo&lt;br&gt;Democratic Republic of Congo&lt;br&gt;Rwanda</td>
<td>• TB/HIV&lt;br&gt;• PMTCT&lt;br&gt;• HIV outcomes&lt;br&gt;• NCDs&lt;br&gt;• HPV related cancers&lt;br&gt;• Mixed methods and qualitative studies&lt;br&gt;• Stigma, key populations&lt;br&gt;• HEU children&lt;br&gt;• Epidemiologic methods&lt;br&gt;• Statistical methods</td>
<td>D43 Director Contact: Marcel Yotebieng&lt;br&gt;<a href="mailto:marcel.yotebieng@einsteinmed.org">marcel.yotebieng@einsteinmed.org</a>&lt;br&gt;Applicant Contact: Adebola Adedimeji&lt;br&gt;<a href="mailto:Adebola.adedimeji@einsteinmed.org">Adebola.adedimeji@einsteinmed.org</a></td>
</tr>
<tr>
<td>East Africa</td>
<td>Kenya&lt;br&gt;Tanzania&lt;br&gt;Uganda</td>
<td>• Epidemiology, continuum of care&lt;br&gt;• NCD, Cancer&lt;br&gt;• Mental Health&lt;br&gt;• Substance use&lt;br&gt;• Pediatric/Adolescent HIV&lt;br&gt;• PMTCT&lt;br&gt;• HEU&lt;br&gt;• Analytic Methods (Competing Risk, Multi-state Models)</td>
<td>D43 Director Contact &amp; Applicant Contact: Kara Wools-Kalousian&lt;br&gt;<a href="mailto:kwools@iu.edu">kwools@iu.edu</a></td>
</tr>
</tbody>
</table>
## Participating Regions

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<th>Contact</th>
</tr>
</thead>
</table>
| Southern Africa| Lesotho Malawi Mozambique South Africa Zambia Zimbabwe | • Epidemiology of ART rollout  
• LTFU  
• NCD  
• Mental Health  
• Pediatric/Adolescent HIV  
• PMTCT  
• PV Pregnancy  
• Analytic Methods (Competing Risk, Multi-state Models)  
• Other infections related to HIV: tuberculosis, hepatitis, COVID-19  
• Malignancy | D43 Director Contact:  
Mary-Ann Davies  
Mary-ann.davies@uct.ac.za  
  
Applicant Contact:  
Renee de Waal  
renee.dewaal@uct.ac.za |
| West Africa    | Benin Burkina Faso Cote d'Ivoire Ghana Mali Senegal Togo | • Epidemiology (quantitative and qualitative methods)  
• Continuum of HIV care  
• Tuberculosis  
• Cancer  
• Mental Health  
• Other NCD's  
• Children and Adolescent | D43 Director Contact:  
Ighovwerha Ofotokun  
iofotok@emory.edu  
  
Applicant Contact:  
Didier Ekouevi  
didier.ekouevi@gmail.com |
# Concept Sheet: Cross Regional Data Sources

<table>
<thead>
<tr>
<th>Cohort</th>
<th>Status</th>
<th>Eligibility</th>
<th>Sample Size</th>
<th>Data Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinic Cohort Database</td>
<td>E</td>
<td>Region Dependent</td>
<td>Open</td>
<td>HIV Clinical Data (IeDEA Data Exchange Standard)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Peds: 216,257 Adult: 2,048,861</td>
<td></td>
</tr>
<tr>
<td>AYANI</td>
<td>PE</td>
<td>ALHIV 15-24 years</td>
<td>600</td>
<td>HIV Clinical, MH, SU, Food Security, Care Trans, Adherence</td>
</tr>
<tr>
<td>SRN</td>
<td>E</td>
<td>PLHIV ≥40 years</td>
<td>1500</td>
<td>HIV Clinical, MH, SU, TB</td>
</tr>
<tr>
<td>TB-SRN</td>
<td>PE</td>
<td>adults &gt;18 years, with a new clinical diagnosis of active pulmonary TB</td>
<td>1800</td>
<td>HIV and TB Clinical Data, HbA1c, Post TB Tx Pulmonary function</td>
</tr>
<tr>
<td>PV-PMTCT</td>
<td>E</td>
<td>Pregnant women living with HIV</td>
<td>Open</td>
<td>Data Collection Region Dependent</td>
</tr>
</tbody>
</table>

E = Enrolling  
PE = Pre-enrollment
## Mentor Assessment:

Template is provided as a Word Document in the online Application (see next section)

<table>
<thead>
<tr>
<th>Fogarty-NeDEA Mentoring Program</th>
<th>Referring Mentor Evaluation Form</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Needs significant development</td>
</tr>
</tbody>
</table>

### Core Competencies

#### Scientific Knowledge
- Deep knowledge of HIV epidemiology
- Critical evaluation of scientific literature

#### Research Skills
- Experimental design
- Planning and Organization of projects
- Data Management
- Statistical analysis
- Interpretation of data
- Creativity/innovative thinking

What data management and statistical software does the applicant have experience with?

What types of analyses has the applicant conducted? (Please describe methods and types of datasets that the applicant has experience with)

Navigating the peer review process
Applicant Review Process:

• The RDCs will independently review applications

• Finalists may be interviewed by members of the RDC via telephone or Skype

• Finalist applicant’s mentor will be contacted by the RDC to discuss integration of the FIMP training with ongoing training and mentoring
After Initial Review

- Letter of support from the mentee’s institution/program committing:
  - Salary/stipend support
  - Release for time to engage in mentoring sessions
  - Release for 1 one-week scientific meeting
Online Application Process
Online application only.

Website available at

https://redcap.link/fimp2021
Completing some questions will reveal additional questions.
Completing this section will match you with your correct IeDEA Mentorship Region.

- Based on your selection, your IeDEA Mentorship region would be *IeDEA Asia-Pacific*.
- Based on your selection, your IeDEA Mentorship region would be *East Africa IeDEA*.
- Based on your selection, your IeDEA Mentorship region would be *IeDEA Southern Africa*.

There are 6 possible IeDEA Mentorship Regions.
The application is long and may be difficult to complete in one sitting.

Use **Save & Return** feature to save your partial application.

MUST write down/save your **Return Code**!
Three file uploads are required:

- CV or biosketch
- Writing sample (published abstracts/manuscripts/posters or a personal statement)
- Concept proposal (using template below)
The FIMP application requires submission of a **scientific project proposal (concept sheet)**. Search PubMed to see what prior work your IeDEA region has done.

The following basic data is available for most IeDEA regions:

**Description of HIV Clinic** (available in all regions)
- `tblCENTER`: information about the HIV clinic

**Core Patient Data** (available in all regions)
- `tblPERSON`: basic patient data
- `tblVISIT`: visit data
- `tblTFU`: death and drop-out data
- `tblART`: antiretroviral medications
- `tblLAB_RNA`: HIV viral load lab results
- `tblLAB_CD4`: CD4 lab results

**Additional Clinic Data** (check with your region: data are available in some regions only and may be limited to some codes)
- `tblDIS`: CDC-C and WHO Staging diseases (not all diseases are collected by every region)
- `tblLAB_BP`: blood pressure measurements
- `tblLAB`: general lab results
- `tblPREG_OUT`: pregnancy outcomes
- `tblDELIVERY_CHILD`: delivery information related to the child
- `tblNEWBORN`: newborn information

*Please prepare your project proposal using the template below.* If your application is selected, your assigned IeDEA Region will work with you to refine the project proposal so it is feasible.

Attachment: [IeDEA-FIMP-concept-template_9_5_19.doc](#) (0.06 MB)

Proposed analysis dataset should be described **using the formal IeDEA variable names and tables where available** (linked in application, described in next section as the **IeDEA Data Exchange Standard**.)
Completing the mentee application will automatically send an email to your mentor.

Make sure to complete this early so you give your mentor plenty of time to complete their application!

<table>
<thead>
<tr>
<th>Information About Your Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mentor First/Given Name(s)</strong></td>
</tr>
<tr>
<td>* must provide value</td>
</tr>
<tr>
<td><strong>Mentor Last/Family Name(s)</strong></td>
</tr>
<tr>
<td>* must provide value</td>
</tr>
<tr>
<td><strong>Mentor’s Institutional Affiliation</strong></td>
</tr>
<tr>
<td><strong>Mentor’s Primary Position/Job Title</strong></td>
</tr>
<tr>
<td><strong>Mentor’s Country of Residence</strong></td>
</tr>
<tr>
<td><strong>Mentor Email Address</strong></td>
</tr>
<tr>
<td>* must provide value</td>
</tr>
</tbody>
</table>

Submitting this application will send an automatic letter request email to your Mentor. Make sure to discuss your FIMP application with your Mentor in advance so they know to expect this request.

Make sure that
- You spell your mentor’s name and email correctly
- Your mentor knows about the request and has enough time to complete it before the application deadline
Mentor Review Form

“___” fields will be filled with the applicant’s name or mentor’s name, as appropriate.

---

## Mentor Information

The information below was provided by the applicant. Please fill in any missing information and provide corrections as needed.

1. **Mentor’s First and Middle Name(s) / Given Name(s)**
   - *must provide value*

2. **Mentor’s Last / Family Name(s)**
   - *must provide value*

3. **Institutional Affiliation**

4. **Primary Position / Job Title**

5. **Country of Residence**

6. **Preferred Email Address**
   - *must provide value*
Two file uploads are required:
- Core Competencies Evaluation form
- Letter of Recommendation
Email Notifications

The system will generate some automatic emails:

1. Applicants will receive an email when their partial application has been received. This also means the email to the mentor has been sent to the mentor’s email address.

2. Mentors will receive an email requesting they provide a Mentor Review.

3. Applicants + Mentor will receive an email when the Mentor Review is completed. Once the Mentor Review is completed, the whole application will be complete.
Key Information

• Use **Save & Return feature** to save your work as you complete the Mentee Application.

• Finish your application early so your mentor has time to complete their review by October 25.

• Stay in close contact with your mentor and
  – Make sure they know about the Mentor portion of the application
  – Confirm they received the email link to complete the Mentor Evaluation
  – Make sure they fill out the evaluation before the deadline on October 25.

• The **application system will close automatically after the deadline.**
IeDEA Data Exchange Standard
Your proposed research project should reference the formal IeDEA variable names and tables where applicable (IeDEA Data Exchange Standard.)
The IeDEA DES is a common data model which lists the variables, definitions, and coded responses for sharing observational HIV data collected in the IeDEA consortium. The DES supports research collaboration and efficiency in data exchange and analysis.
IeDEA Data Exchange Standard (DES)

Primary domains include

- Demographics and vital status
- Laboratory data (i.e. CD4, viral load)
- ART and medication history
- HIV-related diseases
- Pregnancy and newborn data
- Site-level data

Data completeness varies by site and region. Contact the regional representative for more information about data availability.
The _A_ variable (date approximation) is available for every _D_ (date) variable. See iedeades.org for full variable specifications and code lists.
Timelines

- **Monday, July 26th**: Applications Open
- **Week of August 9**: Orientation Webinars
  - Tues 8/10 9pm ET
  - Thurs 8/12 9 am ET
  - Friday 8/13 9 am ET
  
  https://iu.zoom.us/j/87815654317?pwd=TXVCNzlQTTJVN0wrTFdYMHdoTGxFUT09

- **Monday, October 25**: Application due
- **Friday, December**: Announce next class
Contacts and Links

Help:

• Fogarty International Center: Dr. Geetha Basal  
  geetha.bansal@nih.gov

• Overall Fogarty IeDEA Program: Dr. Kara Wools-Kalousian  
  kwools@iu.edu

• Technical Assistance with the Application: Hilary Vansell  
  hilary.vansell@vumc.org

• Regional Contacts: Refer to tables

Links:

• IeDEA Website: https://www.iedea.org

• Application:  
  https://redcap.vanderbilt.edu/surveys/?s=E3HME8NMLCYWJ33F

• IeDEA Data Exchange Standard: www.iedeades.org
Acknowledgements

U.S. National Institutes of Health
- Fogarty International Center (FIC)
- National Institute Of Allergy And Infectious Diseases (NIAID)
- Eunice Kennedy Shriver National Institute Of Child Health & Human Development (NICHD)
- National Institute On Drug Abuse (NIDA)
- National Cancer Institute (NCI)
- National Institute of Mental Health (NIMH)
- National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
- National Heart, Lung, and Blood Institute (NHLBI)