**Graduate Education in Research Ethics for Scientists and Engineering—A Faculty Workshop**

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Toolkit Team: Dr. José A. Cruz-Cruz, Dr. Aury Curbello, Dr. Halley D. Sanchez

GERESE Team: Dr. Jorge Ferrer, Dr. Efrain O’Neill, Dr. Carlos Rios, Erika Jaramillo, Dr. Didier Valdes, Morgan Echeverry

**Workshop Objectives:**

*1. Validate research ethics issues identified November 29, 2007*

*2. Locate research ethics in its historical and theoretical context*

*3. Disseminate GERESE workshops, courses, and outreach efforts in RE*

*4. Carry out Project Assessment*

*5. Discuss and assess options for institutionalizing research ethics at UPRM*

| **Workshop Theme** | **Activity** | **Time** | **Leader(s)** | **Objective(s)** |
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| **A. Identify and Validate research ethics issues in the UPRM Context** | Summarize RE issues identified in November 29 workshop | 9:00 – 9:30 | Toolkit Team | *1.Validate RE issues* |
| Historical and Theoretical Context of RE | 9:30 – 10:00 | J Ferrer | *2. Locate RE in historical and theoretical context* |
| Mapping UPRM issues onto Theoretical and Historical Context | 10:00 – 10:30 | Toolkit / GERESE Teams | *3. Validate RE issues* |
| Break: 10:30 – 10:45 | | | | |
| **B. Disseminating GERESE at UPRM** | Overview: Workshops for Graduate Students in Research Ethics | 10:45 – 10:55 | GERESE Team | *3. Disseminate GERESE* |
| Case Analysis Workshop and  Research Ethics Courses | 10:55 – 11:05 |
| K-12 Outreach in RE in PR | 11:05 – 11:15 |
| **C. GERESE Project Assessment**  **Theme**: *How can project activities be used to address UPRM Research Ethics Issues* | Breakout Groups discuss theme | 11:15 – 11:35 | GERESE Team divides participants into groups | *4. GERESE Assessment* |
| Plenary Discussion | 11:35-12:15 | GERESE Team moderate | *4. GERESE Assessment* |
| Lunch: 12:15 – 1:30 | | | | |
| **D. Institutionalizing Research Ethics at UPRM**  **Themes:**  *(1) What do we want to institutionalize in RE?*  *(2) How do we go about institutionalizing it?* | Introduction for Afternoon discussion of institutionalization | 1:30 – 1:35 | Toolkit Team | *5. Discuss options for institutionalizing research ethics at UPRM in science and engineering* |
| Break out groups brainstorm 3 to 5 options | 1:35 – 1:50 | Break out groups | *5. Discuss options for institutionalizing research ethics at UPRM in science and engineering* |
| Three Ways to Implement Research Ethics: A Benchmark | 1:50 – 2:05 | Toolkit Team | *5. Discuss options for institutionalizing research ethics at UPRM in science and engineering* |
| Break out groups refine / integrate implementation options | 2:05 – 2:45 | Break out groups with short plenary discussion | *5. Discuss options for institutionalizing research ethics at UPRM in science and engineering* |
| **E. Workshop Assessment** | Participants Assess Workshop | 2:45 – 3:00 | Participants | *Workshop Assessment* |
| GERESE and Toolkit teams review assessment results, recapitulate workshop, and self-assess. | 3:00 – 4:00 | Toolkit and GERESE Teams | *Workshop Assessment* |