



## An Overview of Research Compliance and Responsible Conduct of Research

Mary Ann Ottinger  
T.W. Castonguay

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## Responsible Conduct of Research

• **RCR is complex:**

- **Ethics**
- **Research Misconduct**
- **Human Experimentation**
- **Animal Experimentation**
- **Mentoring**
- **Authorship**
- **Peer Review**
- **Intellectual Property**
- **Conflict of Interest**
- **Collaborative Research**
- **Data Ownership**
- **Genetic Technology**
- **Record Keeping**
- **Standards of Conduct**

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## Responsible Conduct of Research

• **RCR is complex:**

- **Ethics**
  - **Benefits to the society vs benefits to the individual**

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## Responsible Conduct of Research

- RCR is complex:
  - Research Misconduct
    - The Medical “Experiments” conducted by the Nazis during WWII
    - The Tuskegee Syphilis experiments of 1932-1969
    - Fraud

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## Responsible Conduct of Research

- RCR is complex:
  - Human Experimentation
    - The Institutional Review Board (IRB)

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## Responsible Conduct of Research

- RCR is complex:
  - Animal Experimentation
    - The IACUC

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## Responsible Conduct of Research

- RCR is complex:
  - Mentoring
    - What is expected of the thesis or research director?
    - Formal or informal contract?
    - What is expected of the student?

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## Responsible Conduct of Research

- **RCR is complex:**
  - **Authorship**
    - Who's on first?
    - What's it take?
    - What's it worth?

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## Responsible Conduct of Research

- RCR is complex:
  - Peer Review
    - One of the hallmarks of American Research
    - Anonymous

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## Responsible Conduct of Research

- RCR is complex:
  - Conflict of Interest
    - Sponsored research
    - Contract vs grant

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## Responsible Conduct of Research

- RCR is complex:
  - Collaborative Research
    - Guidelines
    - Written assurances
    - Legal contracts
    - MOUs

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## Responsible Conduct of Research

- RCR is complex:
  - Intellectual Property
    - Is it mine?
    - Is it the University's
    - Is it our's?
    - Is it in the public domain?

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Responsible Conduct of Research

• RCR is complex:

**Data Ownership**

- Mine?
- My mentor's
- Ours?

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Responsible Conduct of Research

• RCR is complex:

**Genetic Technology**

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Responsible Conduct of Research

• RCR is complex:

**Record Keeping**

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## Responsible Conduct of Research

- **RCR is complex:**

- **Ethics**
- **Scientific Misconduct**
- **Human Experimentation**
- **Animal Experimentation**
- **Mentoring**
- **Authorship**
- **Peer Review**
- **Conflict of Interest**
- **Collaborative Research**
- **Intellectual Property**
  - **Data Ownership**
  - **Genetic Technology**

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## So what?

- How compliance is incorporated into your graduate program requirements for graduation

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## So what?

- Importance to Graduate Students

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