

**Faculty of Medicine**  
**Responsible Conduct of Research (RCR) Course for Graduate Students**

Dates/Times for 2012/13 Course:

Dec 13<sup>th</sup>, 8:30 AM – 4:30 PM, Life Sciences Institute

Feb 19<sup>th</sup> and 20<sup>th</sup>, 12:30 – 4:30, Diamond Health Care Centre (Laurel St @ W. 12<sup>th</sup>)

June 4<sup>th</sup> and 5<sup>th</sup>, 8:30 – 12:30 Life Sciences Institute

Current Syllabus:

<b>Day 1 morning or afternoon; Full day morning</b>		
10 min	Registration and pre-course knowledge survey	
10 min	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Why do we have this course?</li> <li>• What do we hope to achieve?</li> <li>• Requirements</li> </ul>	S. Porter
50 min	<b>AAAS Video: <i>Noah's Dilemma</i></b> Data inclusion/exclusion, pressures to publish, mentorship	
15 min	Whole group discussion	All, including faculty
45 min	<b>Ethical Decision-Making</b> <ul style="list-style-type: none"> <li>• Role of science in society</li> <li>• Ethical pressure points and mitigating strategies</li> <li>• What is ethics?</li> <li>• Framework for ethical decision-making</li> </ul>	S. Porter
15 min	Break and distribution of cases <ol style="list-style-type: none"> <li>1. Dr. Leanne Liu: Use of human tissues, authorship</li> <li>2. Dr. Cheryl Carleton: Sharing of published reagents</li> <li>3. Tony and Jan: mentorship, management, misconduct</li> </ol>	
45 min	<b>Data</b> <ul style="list-style-type: none"> <li>• Pressures to short-circuit integrity, conflicting interests</li> </ul> Responsible conduct in: <ul style="list-style-type: none"> <li>• Obtaining data – experimental design, materials, etc</li> <li>• Recording data – laboratory notebooks</li> <li>• Analyzing and reporting data – dealing with outliers, statistical analysis, graphs and images, interpretation</li> <li>• Data ownership and sharing – policies and norms, confidentiality, tenets of sharing materials and data</li> </ul>	S. Porter
30 min	Small Group Discussion of Cases	All
25 min	Large group review	All
5 min	Case distribution (to review overnight) <ol style="list-style-type: none"> <li>1. Karen Klein: Industry-university relationship, mentoring, COI</li> <li>2. Dr. Diane Archer: peer review, plagiarism, whistleblowing</li> <li>3. Dr. Arun Patel: collaboration issues, authorship, pre-publication publicity</li> </ol>	

<b>Day 2 morning or afternoon; full day afternoon</b>		
40 min	Small group discussion of homework cases	All
30 min	Large group review	All
20 min	<b>Conflict of Interest</b> <ul style="list-style-type: none"> <li>• COI definition, examples and management</li> </ul>	J. Brinkman
15 min	Break	
50 min	<b>Research on Human Subjects</b>	K. Bell and J. Toward
25 min	<b>Publication</b> <ul style="list-style-type: none"> <li>• Criteria of authorship, when to publish, responsible writing, analysis, and citing</li> <li>• Peer review – confidentiality, duties</li> </ul>	J. Brinkman
15 min	Large group review of pre-course survey	All
15 min	Course evaluation	

### **Faculty**

Susan Porter, PhD  
Dean *pro tem*, UBC Faculty of Graduate Studies  
Clinical Professor, Pathology and Laboratory Medicine

Jacqui Brinkman, MSc  
Manager, Graduate Pathways to Success Program  
UBC Faculty of Graduate Studies

Kirsten Bell, PhD  
Part-time Research Ethics Analyst, Office of Research Ethics  
University of British Columbia

Jeffrey Toward, PhD  
Continuing Review Manager, Office of Research Ethics  
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