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List of Research Ethics-Related Educational Resources

BC Cancer Research Ethics strive to provide continuous support for our research community. As such, we have compiled a list of research ethics-related educational resources as shown in the table below, categorized based on the offering institution/group. All people engaged in research conduct or oversight, from researchers and research staff, research ethics board (REB) members and administrators to regulatory officials, could benefit from learning from these courses, based on their area of research focus or based on their need. For detailed information on the targeted audience see column "**Suggested Audience.**"

Key organizations that offer courses and training:
Collaborative Institutional Training Initiative (CITI Program) is dedicated to identifying and serving education and training needs of research communities. Focus areas include courses in ethics, research, regulatory reqruiements, responsible conduct of research, and other topics pertinent to interests of different organizations, individual lerners, and society. For a full list of courses/training offered, visit the CITI website: https://about.citiprogram.org/

Canadian Association of Research Ethics Boards (CAREB) is a national membership organization intended to represent the interest of all Canadian REBs and provides a place to share best practices. Visit their website for REB resources and access to educational modules: https://careb-accer.org/

(Table below lists a few recommended training offered via CITI Program and CAREB)

Mandatory for conducting research at BC Cancer (only one is required from the three listed below)

Name	Description	Suggested Audience	Delivery Method	Length	Credits/Certification	Cost for independent learners (some institutions may offer coverage)
Government of Canada: TCPS 2: CORE-2022	The Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans (TCPS 2) provides ethics guidance that applies to all research involving human participants – including their data and/or biological materials – conducted under the auspices of an institution eligible for funding by the federal Agencies (CIHR, NSERC, SSHRC).	All researchers who intend to engage in research involving human participants, REB members, and REB administrators	Web-based	4 hours	Certification of completion	Free
CITI Program: Human Subjects Research - Biomedical Focus *TCPS equivalent for UBC	This biomedical-focused comprehensive course provides an expanded training covering not only major topical areas but also many concepts that are specific to types of research, roles in the protection of human subjects, and advanced modules on informed consent topics, vulnerable populations, stem cell research, phase I research, data and safety monitoring, big data research, mobile apps research, and disaster and conflict research. It offers historic and current information on regulatory and ethical issues important to the conduct of research involving human subjects. Case studies are used within the modules to present key concepts.	Human Subject Protection Staff, REBs, Institutional/Signatory Officials, REB Administrators and Staff, REB Chairs, Research Team Members, Researchers, Students	Web-based	Unknown	CME/CEU credits available	$249 USD
CITI Program: CITI Human Subjects Research - Social-Behavioural-Educational Focus *TCPS equivalent for UBC	This SBE-focused comprehensive course provides an expanded training covering not only major topical areas but also many concepts that are specific to types of research, roles in the protection of human subjects, and advanced modules on informed consent topics, vulnerable populations, big data research, mobile apps research, and disaster and conflict research. It offers historic and current information on regulatory and ethical issues important to the conduct of research involving human subjects. Case studies are used within the modules to present key concepts.	Human Subject Protection Staff, REBs, Institutional/Signatory Officials, REB Administrators and Staff, REB Chairs, Researchers, Students	Web-based	Unknown	CME/CEU credits available	$249 USD

Additional Resources (training requirement may vary depending on your affiliation/institutions)

Name	Description	Suggested Audience	Delivery Method	Length	Credits/Certification	Cost for independent learners (some institutions may offer coverage)
Institutional (UBC/PHSA)						
Foundations of Responsible Conduct of Research	We can all play a part in fostering a research culture that supports each other to do our best work, including acting with honesty, accountability, openness and fairness in the search for and dissemination of knowledge. This self-paced course aims to increase understanding of our responsibility as UBC scholars, provide an opportunity to reflect on our own research practices, and to practice navigating ethical dimensions of research using a systematic decision-making framework.	All researchers who intend to engage in research, REB members and administrators	Web-based	Unknown	None	Free
Provincial						
Government of BC: British Columbia Information Privacy Certificate Program	Comprehensive privacy training designed specifically for the provincial public sector. This program is for people wanting to better understand privacy and the how Freedom of Information and Protection of Privacy Act (FOIPPA) impact their work, employees committed to protecting privacy, people preparing for a career in information privacy.	All researchers who intend to engage in research, REB members and administrators	On-site & Web-based 4 required courses + elective course	15 hours	Certification of completion	Unknown
Various Sponsors: Patient-Oriented Research Curriculum in Child Health (PORCCH)	A series of interactive, online modules designed to build knowledge and skills for authentic patient-oriented research in child health. The development of each PORCCH module was co-led by a parent/caregiver and a researcher.	Patients and families, child health researchers, healthcare professionals, and trainees who want to know more about patient-oriented research.	Web-based	2.5 hours	None	Free
University of Illinois at Chicago (UIC) Centre for Clinical and Translational Science: CIRTification: Community Involvement in Research Training	A human research protections training program. This course covers: ->Introduction to Research ->Research History ->Eligibility & Recruitment ->Informed Consent ->The Institutional Review Board ->Collecting & Protecting Data ->Handling Issues in the Field	Community partners, research staff involved in recruiting research participants, obtaining informed consent, or collecting data.	Web-based	Unknown	None	Unknown

Name	Description	Suggested Audience	Delivery Method	Length	Credits/Certification	Cost for independent learners (some institutions may offer coverage)
National						
CAREB: Promoting a culture of research ethics	An introduction to the importance of research ethics and research ethics considerations through the research life cycle. This session will help research ethics professionals: understand the bigger picture of ethics in the context of the research enterprise, leverage foundational research ethics principles in demonstrating the importance of research ethics in their own institutions.	Research ethics professionals	Web-based	Unknown	None	$75 Single License
CAREB: Background and history of research ethics	Designed to provide a historical overview of the events that brought research ethics to the forefront. An in-depth examination at the ethics violations that have occurred and the resulting actions is discussed. An overview of the history of Canadian ethics is presented, along with provincial regulations that are currently in place. History of research ethics, understand the role that ethics violations have played in the development of the current ethical environment, become familiar with specific cases (eg. Nazi experiments, Tuskegee, Jesse Gelsinger, etc.), become familiar with research ethics regulations and guidance documents, provide an overview of the current national and provincial research ethics frameworks	Research ethics professionals	Web-based	Unknown	None	$75 Single License
CAREB: Fundamental principles of research ethics	Fundamentals of research ethics including the western philosophical theoretical basis of their origins. Understand the fundamental principles of research ethics and how they should be used when deliberating on the ethics of human research, recognize that there may be areas of congruency and conflict among the principles when applying them.	Research ethics professionals	Web-based	Unknown	None	$75 Single License
Mohawk College: RSCH10011 - Research Ethics, Integrity and Governance	Examine the role of the research administrator in creating a culture for the responsible conduct of research. Prepare for ethics approvals for research, management of project data and information; privacy and confidentiality; legal and institutional requirements for reporting, financial management, conflict of interest.	Researchers and research administrators, REB members, REB administrators	Web-based Currently offered Jan-Mar term	45 hours	3 credits toward Research Administration Certificate at Mohawk College	Approximately $330 CAD
International						
CITI Program: Responsible Conduct for Research (RCR) Series	RCR covers core norms, principles, regulations, and rules governing the practice of research.. RCR consists of a basic course, additional content that can be incorporated based on organizational and learner needs, and a refresher course, which re-emphasizes and expands on key concepts.	Any person involved in research, ranging from upper-level undergraduates to established faculty and other professionals. Particular emphasis is given to the educational needs of graduate students and postdoctoral researchers.	Web-based	Unknown	CME/CEU credits available	$99 USD
CITI Program: GCP for Clinical Trials with Investigational Drugs and Biologics (ICH Focus)	The GCP ICH Basic course covers International Council for Harmonisation (ICH) E6 Good Clinical Practice (GCP) guideline essential topics for clinical trials with drugs and biologics. It describes the responsibilities and expectations for the conduct, monitoring, reporting, and documenting of clinical trials. It should be noted, however, that when appropriate, references to U.S. Food and Drug Administration (FDA) regulations and guidance are included.	Individuals involved in drug and biologic studies and who would benefit from a more internationally focused training, or for those involved in studies where compliance with ICH is required (e.g., most industry-funded studies).	Web-based	Unknown	CME/CEU credits available	$129 USD
CITI Program: GCP for Clinical Trials with Investigational Drugs and Medical Devices (U.S. FDA Focus)	The GCP U.S. FDA Basic course covers Good Clinical Practice (GCP) and U.S. Food and Drug Administration (FDA) essential topics for clinical trials with investigational drugs, biologics, and/or medical devices. It is intended for research personnel involved in drug, biologic, or device studies and who would benefit from FDA-focused training.	Individuals involved in drug, biologic, or device studies and who would benefit from FDA-focused training (e.g., primarily in the U.S. and/or who would prefer a more U.S. FDA-centric curriculum)	Web-based	Unknown	CME/CEU credits available	$129 USD
CITI Program: GCP – Social and Behavioral Research Best Practices for Clinical Research	This course is suitable for social and behavioral investigators and staff who must be trained in GCP. This course introduces GCP principles and discusses how they apply to clinical trials using behavioral interventions and social science research. This course is presented in a dynamic, nine-module format with narration, interactive features, and downloadable resources. It covers key topics in clinical research: ->Research Protocol ->Recruitment and Retention ->Informed Consent Communication ->Confidentiality and Privacy ->Participant Safety and Adverse Event Reporting ->Quality Control and Assurance ->Research Misconduct The National Institutes of Health's (NIH) "Policy on Good Clinical Practice Training for NIH Awardees Involved in NIH-funded Clinical Trials" establishes the expectation that all NIH-funded investigators and staff who are involved in the conduct, oversight, or management of clinical trials should be trained in GCP. This course helps behavioral and social science researchers meet that expectation.	Clinical Research Coordinators (CRCs), Contract Research Organizations (CROs), Investigators, IRB Members, Key Study Personnel, Principal Investigators, Research Nurses, Research Staff, Researchers, Sponsors, Study Coordinators	Web-based	3+ hours	CME/CEU credits available. Online certification provided	$323.80 CAD ($530 for annual N2 site license)

Name	Description	Suggested Audience	Delivery Method	Length	Credits/Certification	Cost for independent learners (some institutions may offer coverage)
SOCRA: Informed Consent for Research: Operationalizing the Process (Parts I & II)	This presentation will review the new common rule definition of vulnerable subjects including "individuals with impaired decision making ability." It will discuss why inclusion of this vulnerable population is needed in research studies, especially for diseases such as Alzheimer's research. Finally, it will review the ethical guidelines and discuss practical strategies for obtaining informed consent for subjects who may lack decision making capacity.	All researchers who intend to engage in research, REB members and administrators	Web-based	~1 hour	CNE/CME credits available	Free for members $75 for non-members (includes 1 year membership)
SOCRA: Institutional Review Boards (IRB)	This presentation will provide a basic overview of the regulatory requirements and responsibilities for an Institutional Review Board (IRB) review for Human Subjects Protection. Usual business practices for most IRBs will be discussed including the required members of an IRB, required documentation that must be submitted to an IRB, and the types of IRB reviews.	All researchers who intend to engage in research, REB members and administrators	Web-based	~0.5 hour	CNE/CME credits available	Free for members $75 for non-members (includes 1 year membership)
The Association of Clinical Research Professionals (ACRP): Ethics and Human Subject Protection: A Comprehensive Introduction	Complementing Good Clinical Practice: An Introduction to ICH GCP Guidelines, this course takes a deep dive into the ethical considerations facing clinical research professionals and enables them to put the rules into practice to ensure human subject safety and well-being at all times. Learn how to avoid unethical conduct in clinical trials and how to resolve issues pertaining to actual or potential unethical conduct through a thorough review of the historical evolution of ethics in clinical research, the primary guidelines involving ethical considerations in clinical research, the elements of those guidelines, and the consequences of unethical conduct and decisions.	Clinical research professionals	Web-based	2.25 hours	Eligible for 5 ACRP Contact hours.	Member: $75 Non-member: $149
University of Pennsylvania: Conflicts of Interest in Biomedical Research	This course provides an overview of ethical concerns regarding conflicts of interest in biomedical research. It also offers several approaches to safeguarding against conflicts of interest and describes related federal policies. Intended primarily for researchers, the course: ->Explains what a conflict of interest is and why conflicts are problematic. ->Provides data and analysis regarding the extent of conflicts of interest in research. ->Assesses strategies for avoiding and remediating conflicts of interest. ->Describes NIH and FDA policies related to conflicts of interest in research, as well as institutions' role in managing researcher conflicts.	Biomedical researchers	Web-based	75 minutes	CME/CE credits available	Free
University of Pennsylvania: Research with Vulnerable Populations	This learning activity provides an overview of ethical and regulatory principles of research with participants perceived as vulnerable. Learners will review definitions of vulnerability, relevant regulations in the United States, and their implications for special protections among various populations, including: -> Children -> Pregnant women and fetuses -> Prisoners -> The cognitively impaired -> Patients in emergency settings	Researchers and those involved in research oversight, including physicians, nurses, pharmacists.	Web-based	90 minutes	CME/CE credits available	Free