**Topics for a 24-session RCR Training Program**

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|  |  | NIH-suggested Topics | Other Suggested Topics |  |
| September |  |  |  |  |
| 1 |  | Moral Decision Making in Science: Underlying Philosophical Theories in Research Integrity | 1.5 h |
| October | 1 | Science and the Scientist in Society |  | 1.5 h |
| 2 |  | A History of Research Integrity: Landmark Cases and the Principles They Taught Us | 1.5 h |
| **Group A—Planning the Research** | | | | |
| November | 1 | Financial Conflict of Interests |  | 1.5 h |
| 2 |  | Other Conflicts of Interest: Commitment, Career Advancement, and Principles. | 1.5 h |
| December | 1 | Human Subject/The Ethics of Clinical Research I (equipoise, placebos, selection of subjects, use of special populations, risk-benefit assessments) |  | 1.5 h |
| 2 | Human Subjects/The Ethics of Clinical Research II (informed consent and IRB oversight) |  | 1.5 h |
| January | 1 |  | Ethical Issues in Genome Research and Genetic Technology *(or ethical issues in your area of work/interest)* | 1.5 h |
| 2 |  | Ethical Issues in Nanotechnology Research *(or ethical issues in your area of work/interest)* | 1.5 h |
| February | 1 |  | Ethical Issues in the use of Biobanks in Research *(or ethical issues in your area of work/interest)* | 1.5 h |
| 2 |  | Ethical Issues in Research with Biological Samples *(or ethical issues in your area of work/interest)* | 1.5 h |
| March | 1 | Understanding the Phrase “Humane Treatment of Animals”: Regulations, Policies, and Guidance in the Use of Animals in Research |  | 1.5 h |
| 2 | Data Integrity: Collection, Management, Protection, Sharing, and Ownership of Data |  | 1.5 h |
| **Group B—Conducting the Research** | | | |  |
| April | 1 |  | Keeping your Lab Book: Practical Tips for Data Collection and Management in the Lab | 1.5 h |
| 2 | Responsible Laboratory Procedures |  | 1.5 h |
| May | 1 | Collegiality, Communication, and Responsibilities within the Research Team: Mentor/mentee Responsibilities and Relationship |  | 1.5 h |
| 2 | Collaborative Research: Collaborations with Other Academic Institutions and with the Industry; Accuracy in Representing Contributions |  | 1.5 h |
| **Group C—Reporting and Reviewing Research** | | | | |
| June | 1 | Scientific Misconduct: Fabrication, Falsification, Fraud, and Other Questionable Practices |  | 1.5 h |
| 2 |  | Identifying and Reporting Misconduct, Protecting the complainant and the Alleged Wrongdoer | 1.5 h |
| July | 1 |  | Penn’s Commitment to Research Integrity: Policies, What to Do, and Where to Go. | 1.5 h |
| 2 | Ethical Issues in Peer Review |  | 1.5 h |
| August | 1 |  | Intellectual Property: The Law and Ethics of Ownership | 1.5 h |
| 2 |  | Reviewing Integrity in Research | 1.5 h |