Summary of School of Packaging Plan for Training, Oversight and Education: Responsible Conduct of Research, Scholarship, and Creative Activities

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Initial Training (5 hr minimum)

1. Any students whose research involves human subjects (including use of sensory panels or surveys) must be certified as having completed the MSU IRB online tutorial available at www.humanresearch.msu.edu. This training includes the online MSU tutorial for HRPP http://35.8.104.116:591/ucrihs/ucrihs_tutorial/ and the required CITI (Collaborative Institutional Training Initiative) to which MSU has access https://www.citiprogram.org/

   TOTAL for this segment: 2-3 hours

   Note: If any research were to involve animals, IACUC certification would be required. Details are not listed here but can be obtained from the PI.

2. Group seminar/discussion sessions with follow-up reading assignments from the Graduate School Research Integrity website and other selected sources in the following topic areas:
   
   - Scientific integrity: relationship between research and truth, including technical competence, data manipulation, statistical methods, falsification, fabrication, unintentional bias
   - Collegiality: relationships among researchers, including collaborative research, authorship, data sharing, timely publication, plagiarism, peer review, confidentiality, candor, mentorship, protection of intellectual property
   - Institutional integrity: relationships between researchers, their sponsoring institutions, funding agencies and the government, including conflict of interest, conflict of commitment, regulatory compliance, data retention, institutional oversight, institutional demands and support, export controls and trade sanctions, with special attention to protection of human subjects
   - Social Responsibility: relationship between research and the common good, including research priorities, fiscal responsibility, public service, public education, advocacy by researchers, environmental impact, forbidden knowledge

   TOTAL for this segment: 4-8 hours

3. Face-to-face discussion with individual PI’s. Follow-up on questions raised from item 2 and the associated readings. Project-specific discussion of expectations for responsible research. Sharing of the NSF Conflict of Interest form when relevant.

   TOTAL for this segment: 1 hour
Refresher Training (annual, 3 hr minimum)

Attendance at Graduate School Research Integrity workshops.

 Participation in selected sessions identified in item 2 of Initial Training, with involvement as a discussion leader or facilitator where appropriate.

 Face-to-face discussion with individual PI’s. Emphasis on discussion of any issues or concerns that have arisen.

Documentation

Information for each student and post-doc regarding completion of training activities will be recorded in the appropriate MSU database.

Note: Graduate students or postdocs who come with “certification” in RCR from another institution must provide a copy of the certificate and the curriculum/syllabus.