



Life Science Zurich Graduate School

Training in Scientific Integrity – a guideline to the course modules offered in the graduate school and its PhD programs

Imprint

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Overview on the Training in Scientific Integrity

The Life Science Zurich Graduate School offers training in scientific integrity and research ethics to all PhD students enrolled in any of the PhD programs. The training catalogue is composed by mandatory and recommended parts and can be tailored to the specialized needs of PhD students. Some of the courses are organized by LSZGS for all enrolled PhD students; some are organized specifically by a PhD program but with some open seats to PhD students of other programs. In some of the PhD programs under the umbrella of Life Science Zurich Graduate school it is mandatory to accredit 1 ECTS from one ethical training. Please check the regulations of your specific program or contact your coordinator for more details. In all other programs we highly recommend that you accredit 1 ECTS through additional ethical training from this catalogue.

Note: This catalogue does not comply the information about the ethical training that medicine students in the LSZGS PhD programs need to follow. Please contact <http://www.ctc.usz.ch/forschung/gcp-kurse/Seiten/default.aspx>

Module	ECTS
<p><u>Mandatory:</u></p> <p>Introduction to Scientific Integrity [2 hours] [organised by LSZGS]. Date: 4 times in spring and autumn term. Visit in the first year of studies as soon as possible. The document of participation in this event is needed at the registration for the doctoral examination.</p> <p>More information:</p> <p>https://www.lifescience-graduateschool.uzh.ch/en/courses/tscnew.html</p>	0
<p>Courses on Research Integrity and Research Ethics:</p> <p><u>General courses organized by ETH Zurich or University of Zurich</u></p> <ul style="list-style-type: none"> • 751-1040-00L Responsible Conduct in Research, Paschke & Buchmann [D-USYS, ETH Zurich]. Date: spring term. 	1

<ul style="list-style-type: none"> • 851-0180-00L Research Ethics, G. Achermann, P. Emch [D-BIOL, D-CHAB, D-HEST, ETH Zurich]. Date: autumn term. 	2
<ul style="list-style-type: none"> • 851-0745-00L Ethics Workshop: The Impact of Digital Life on Society, E. Vayena, A. Blasimme, C. Landers, J. Sleight [D-GESS, D-HEST, ETH Zurich]. Date: each term. 	2
<ul style="list-style-type: none"> • 851-0178-00L Ethics and Scientific Integrity for Doctoral Students, G. Achermann, E. Bobst, N. Gruber, E. Vayena, every semester 	1
<p>More information:</p> <p>http://www.vorlesungsverzeichnis.ethz.ch (search for the module number).</p>	
<p><u>Organized by Life Science Graduate School</u></p>	1
<ul style="list-style-type: none"> • BIO 662 Ethical Issues in Genetics and Genomics, Deplazes Zemp. Date: fall term. 	1
<ul style="list-style-type: none"> • Bio 664 The 3Rs and the Ethics of Animal Research, Jirkof & Eggel. Date: spring and autumn term. 	
<p>More information:</p> <p>https://www.lifescience-graduateschool.uzh.ch/en/courses/tscnew.html</p>	
<p><u>Organized by PhD Programs</u></p>	1
<ul style="list-style-type: none"> • Scientific Integrity, Slack & Fischer [included in an introductory course mandatory for all MIM (Microbiology and Immunology) PhD students]. Date: variable (once per year). 	1
<ul style="list-style-type: none"> • Ethics for Life Scientists, Leach Scully [organised for Cancer Biology students]. Date: spring term. 	3
<ul style="list-style-type: none"> • Bio 630 Research Ethics for Life Scientists, Deplazes Zemp [organized for MD PhD/MSc students]. Date: spring term. 	1
<ul style="list-style-type: none"> • BIO 663 The Impact of Ethics on Doing Science and Vice Versa, Hausmann, Deplazes Zemp [organized for the MLS PhD students]. Date: every semester. 	

<p>More information:</p> <p>Check the curricula and website of the PhD program that you are enrolled to.</p>	
<p><u>Hands-on training on good research practice:</u></p> <ul style="list-style-type: none"> • ACCESS AND BENEFIT SHARING: Research with biological material from abroad – International regulations and good research practice (CBD, ABS, IT FAO & CITES), Biber- Klemm & Martinez; Date: autumn terms, all 1.5 years. More information: https://www.plantsciences.uzh.ch/en/teaching/phdplantscience/coursecatalogue.html • Scientific Integrity: How to publish reproducible results, Carret & Nørrelykke; Date: autumn terms, all 1.5 years. More information: https://www.plantsciences.uzh.ch/en/teaching/phdplantscience/coursecatalogue.html • Basic education in laboratory animal science for experimenters [organized by Institute of Laboratory Animal Science, University of Zurich]; Date: all year round The courses provide the basics required by law to perform animal experimentation: http://www.ltk.uzh.ch/services.html • Laboratory Safety Training is offered regularly at ETH Zurich: https://www.ethz.ch/services/en/service/safety-security-health-environment/training-and-continuing-education/course-calendar.html 	<p>1</p> <p>1</p>
<p><u>Self-learning:</u></p> <ul style="list-style-type: none"> • Self-study platform: Research Integrity [offered by Graduate Campus, University of Zurich]; With certificate (but no credit points); Date: all year: http://www.grc.uzh.ch/courses/integrity_en.html 	<p>0</p>