Opportunities for training and funding in C/T research

Training Programs/Fellowships

In-Person Learning | Online Learning

Title	Description	Audience	Duration	Time Commitment	Support	Application Deadline
Biostatistics Training	An HSPH master of science program in applied biostatistics	Bachelor's degree in one of the mathematical sciences or an allied field	17 months	60 credits	N/A	Closed
Clinical and Translational (C/T) Research Academy	Advanced training program that offers a pathway to conducting independent research	MD, DMD, PhD Must be a fellow in a Harvard-based training program and working with a Harvard-based mentor, and must have two full years of salary support and 75% protected time available at the time of admission to the program	Two years	Participation in a full-time four-week summer program, a weekly longitudinal seminar, elective courses, mentor-based research, and an extensive array of Harvard Catalyst-funded resources	N/A	Closed
Faculty Development and Diversity Inclusion (PFDD) Faculty Fellowship	A two-year, non-degree Faculty Fellowship Program for Harvard junior faculty designed to address faculty need for additional support to conduct clinical and/or translational research and to free junior faculty from clinical and teaching demands at a key point in their career development.	Doctoral degree (e.g. MD, PhD, DO, DMD, DDS). Harvard appointment at the level of instructor or assistant professor. Applications will also be considered from clinical or research fellows who are in the process of appointment/promotion to instructor and/or assistant professor at Harvard. U.S. Citizenship or Permanent Residency.	Two years	Faculty Fellows are required to devote appropriate time toward the development of their academic career, to meet regularly with their mentors, and to present at the annual Minority Health Policy Meeting.	$100,000 over a two-year period	Closed
Grant Review and Support Program (GRASP)	A multi-year program for K grant awardees seeking independent research funding	Investigators in the first year of a 4- or 5-year NIH K grant (such as a K23, K08, K07, K01, or K25) or equivalent career development award from a grant-funding organization (such as the American Cancer Society, American Heart Association, or U.S. Department of Veteran Affairs)	Five years or the duration of an individual's K grant	Participation in a three-day orientation and grant writing workshop, monthly work plan submissions, and quarterly specific aims review sessions	N/A	Closed
KL2/Catalyst Medical Research Investigator Training	A mentored research & education program for junior faculty and senior fellows	Research or health-professional doctoral degree Junior faculty within the first three years of appointment or senior fellowship appointment at a Harvard Catalyst-affiliated institution	2 years	Must be able to commit 75% of professional effort to the program except for surgeons, who may be eligible to commit as little as 50% time	50-75% of salary	May 1, 2020
Leder Human Biology & Translational Medicine	An enrichment program for PhD students on the fundamentals of human biology & disease	Enrollment in a Harvard Integrated Life Sciences (HILS) doctoral program	1.5 years	1.5 years (in the context of a Harvard PhD program)	N/A	Closed
Mentee-Mentor Matching Program	A program that matches junior investigators with senior faculty who serve as developmental mentors	Graduate students, post-docs, and junior faculty seeking guidance on overall career development Applicants may or may not have a scientific project mentor or principal investigator	Ten months	Two one-hour meetings per month, plus opening, mid-year, and closing events	September 2019 - June 2020	Closed

In-person courses on topics in C/T research

In-Person Learning

Due to the ongoing situation with COVID-19, the Harvard Catalyst Postgraduate Education Program will suspend all in-person programming for spring 2020. We will provide alternative deliveries of select content while live events are on hold. Please email us with any questions and see course-specific pages for more information.

Online Learning | Training Programs/Fellowships

Title	Description	Date	Fee for non-Harvard affiliates		Application Deadline
			*CTSA Member	Non-CTSA Member	
Bioinformatics Workshops	A workshop series on how to efficiently manage and analyze sequencing data for gene expression analysis.	Fall 2019	Varies	Varies	Closed
Biostatistics Continuing Education	Talks focused on translating recent advances in biostatistics into practice	Varies	Not applicable	Not applicable	Varies
Career Pathways Panel Series	A panel series exploring career options in C/T research.	September 11, 2019	Varies	Varies	Closed
Effectively Communicating Research	A two-day intensive course designed to provide fellows and junior faculty with the skills necessary to express their science clearly to diverse audiences; to prepare abstracts, manuscripts, and posters; and to speak effectively	March 23 & 25, 2020 (two days)	$900.00	$1200.00	Closed
Leadership Strategies for the Researcher	A two-day course focusing on best practices in leading and managing a team and navigating a career path in research	June 11-12, 2020	$900.00	$1200.00	April 30, 2020
Maximizing Mentee-Mentor Relationships: Empowering the Mentee	A two-day course from the perspective of the mentee helps emerging clinical and translational investigators navigate the complexities of the mentoring dynamic	May 20-21, 2020	$675.00	$900.00	Closed
Medical Device Development	A course series on medical device innovation, development, and translation	September 9-11, 2019	$1050.00	$1400.00	Closed
Models of Disease (MoD) Boot Camp	A three-week course for clinical fellows starting basic/translational postdoctoral research	July 6-24, 2020	Not applicable	Not applicable	May 8, 2020
Network Medicine	A course series on network science in biology and medicine featuring a three-day introductory course and hands-on modules	October 2-4, 2019	Varies	Varies	Closed
Regulatory Education and Events	Talks focused on regulatory issues and emerging topics in research	Varies	Not applicable	Not applicable	Varies
Responsible Conduct of Research (RCR)	A course fulfilling NIH and NSF RCR requirements	January 30 - March 12, 2020	Not applicable	$1740.00	Closed
Understanding Biomarker Science: From Molecules to Images	A four-day course providing an overview of the translational biomarker development pipeline from discovery to applications and commercialization	May 4-7, 2020	$1425.00	$1900.00	March 30, 2020

*Actively funded CTSA universities/institutions

Online courses on topics in C/T research

Online Learning

In-Person Learning | Training Programs/Fellowships

Title	Description	Duration	Time Commitment	Fee for non-Harvard affiliates		Application Deadline
				*CTSA Member	Non-CTSA Member	
Certificate in Applied Biostatistics	Online course on the principles and methods of biostatistics	35 weeks	4 hrs. per week	$3000.00	$4000.00	Closed
Clinical Trial Design (hybrid course)	Hybrid (online and in-person) course on the design & implementation of clinical trials	10 weeks	8 hrs. online and 18 hrs. in-person	$1500.00	$2000.00	Closed
Comparative Effectiveness Research	Overview of CER methods	12 weeks	2-3 hrs. per week	$975.00	$1300.00	March 23, 2020
Essentials of Biostatistics	Series of short videos on topics in medical biostatistics.	4 hours of video covering over 20 topics	varies	$45.00/month or $400.00/year	$45.00/month or $400.00/year	n/a
Fundamentals of Clinical and Translational Research (FaCToR)	Online course that offers an overview of clinical research and the T spectrum	12 weeks	3-5 hrs. per week	$375.00	$500.00	May 1, 2020
Funding Your Research: Foundations & Philanthropy	Online course for researchers applying for foundation and philanthropic grant funding	8 weeks	2-4 hrs. per week	$375.00	$500.00	Closed
Funding Your Research: Industry	Online course for researchers applying for industry funding	10 weeks	2-3 hrs. per week	$450.00	$600.00	March 23, 2020
Funding Your Research: NIH	Online course for researchers applying for NIH grant funding	8 weeks	2-3 hrs. per week	$375.00	$500.00	May 20, 2020
Funding Your Research: Non-NIH Government Agencies	Online course for researchers applying for non-NIH federal grant funding	5 weeks	1-2 hrs. per week	$225.00	$300.00	Closed
Imaging Methods for Clinical and Translational Research	Introductory online course for imaging technologies	12 weeks	2-4 hrs. per week	$1050.00	$1400.00	March 18, 2020
Implementation Research	Designing and evaluating interventions to translate evidence into practice.	8 weeks	2-3 hrs. per week	$600.00	$800.00	September 4, 2020
Introduction to Mixed Methods Research	Online course introducing participants to mixed methods research in the health sciences	8 weeks	2-3 hrs. per week	$360.00	$450.00	Closed
Introduction to Omics Research	Online course about the scope, analysis, and challenges of omics research.	17 weeks	2-4 hrs. per week	$935.00	$1250.00	May 29, 2020
Responsible Conduct of Omics Research	Online course on responsible conduct in omics research.	3 weeks	1-2 hrs. per week	Not applicable	Not applicable	Closed
Successful Grant Writing Strategies	Online course for researchers seeking and applying for grant funding	10 weeks	2-3 hrs. per week	$375.00	$500.00	Closed

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Responsible Conduct of Research
HPM 548

Spring 1, January 30 - March 12, 2020
Day/Time of Class: Thursday 11:30 a.m. – 1:00 p.m.
Location of Class: Kresge G-1

Instructor Information

Instructor:	Delia Wolf, MD, JD, MSCI
Instructors' Title:	Senior Lecturer, Health Policy and Management, HSPH Associate Dean, Regulatory Affairs and Research Compliance
Depart. Association:	Health Policy and Management, HSPH
Email Address:	dywolf@hsph.harvard.edu
Phone Number:	(617) 432-2148
Office Hours:	By appointment
Office Address:	90 Smith Street, 3rd Floor

Course Manager:	Alyssa Speier, MS, CIP
Email Address:	aspeier@hsph.harvard.edu
Phone Number:	617-432-2140
Office Address:	90 Smith St, 3rd Floor

Texts and Reading Materials

a) Required text book:
   1) "*On Being a Scientist, A Guide to Responsible Conduct in Research,"* 3rd Edition, by National Academy of Sciences, National Academy of Engineering, and Institute of Medicine
   http://www.nap.edu/openbook.php?record_id=12192&page=8

   2) ORI Introduction to the Responsible Conduct of Research
   https://ori.hhs.gov/sites/default/files/rcrintro.pdf

b) Additional reading materials will be posted on the course website.

Course Objectives:

At the end of the course the student will be able to:

1) Describe the concepts of research misconduct and research integrity.
2) Describe basic ethical and regulatory requirements for conducting bench, animal, clinical, and public health research and apply them to research practice.
3) Recognize when laboratory practices, publication practices, and other research practices deviate from legal, ethical, or regulatory requirements.
4) Describe practices that promote compliance with ethical and legal requirements for the responsible conduct of research.

Outcome Measures

a) Class participation – Class participation consists of attending a minimum of six lectures, preparation, and constructive contributions to class discussion. Attendance will not be met if over 15 minutes late to class.
b) Case studies – students are expected to submit their written answers to all 12 cases during the 7 week period.

Grading Criteria

Pass/Fail – in order to pass, students who take the course for credit must attend a minimum of 6 lectures, participate in class discussions, and complete 12 case-study assignments

Certificate of Completion – for all participants (including auditors), who attend a minimum of 6 lectures, participate in class discussions, complete 12 case-study assignments, pre-class quiz, and course evaluation.

Additional Information

This course meets the NIH training requirement for all trainees, fellows, participants, and scholars receiving support through any NIH training, career development award, research education grant, or dissertation research grant. HSPH's, as well as other Harvard catalyst institutions' graduate students, post-doctoral fellows, and junior faculty members will be allowed to take the course without paying tuition (if not taking this course for credit) but are expected to attend a minimum of six lectures, participate in class discussions, and complete all assignments. RCR participants not taking this course for course credit, please register at: https://harvard.az1.qualtrics.com/jfe/form/SV_3z95zB96nb9REVv

*Course platform: https://canvas.harvard.edu/
**You will need a HUID to log into this system. After registration, the course manager will assist you with obtaining an HUID if you do not have one.

Session by Session Detail

Date	Topic	Instructor
Week 1 1/30	• Introduction to the responsible conduct of research • Regulations and guidelines governing research involving human subjects • Cases 1 & 2 will be distributed (Due 2/5)	D. Wolf
Week 2 2/6	• Financial and non-financial conflict of interest • Collaborative Research • Case 3 will be distributed (Due 2/12)	D. Wolf
Week 3 2/13	• Research Misconduct • Cases 4 & 5 will be distributed (Due 2/19)	D. Wolf
Week 4 2/20	• Peer Review, Responsible authorship and publication • Case 6 & 7 will be distributed (Due 2/26)	D. Wolf
Week 5 2/27	• Scientist as a responsible member of society • Safe Laboratory Practice • Case 8 will be distributed (Due 3/4)	A. Speier M. Corrigan
Week 6 3/5	• Regulations and guidelines governing research involving live vertebrate animal subjects • Mentor/Mentee Relationships • Cases 9 & 10 will be distributed (Due 3/11)	B. Corning A. Speier
Week 7 3/12	• The Research Development Life Cycle • Data acquisition, sharing research results, and ownership • Case 11 & 12 will be distributed (Due 3/18) • Complete Course Evaluation (Due 3/18)	A. Spickard L. Howes