

Core Course on Scientific Exposition and Ethics (SEE)

Syllabus – Fall 2024

Course Faculty	Instructors: Dave Jackson (lead), Jeremy Borniger, Rebecca Leshan, Hannah Meyer; Nicholas Karavolias (TA) Guest Lecturers: Stephane Castel, Variant Bio; Nyasha Chambwe, Feinstein Institutes & CSHL; Diane Esposito, CSHL; Susan Friedman, Innocence Project; Radha Ganesan, Alda Center, SBU; Jackie Jansen, Weill Cornell Medicine; Charla Lambert, CSHL; Rachel Rubino, CSHL; Richard Sever, CSHL; Phillip Wilcox, Univ. of Otago; Jan Witkowski, CSHL; Tony Zador, CSHL
Lectures	Except as noted, the class will meet: Mondays (or Wednesdays), 9:30-12:00pm, in-person and Friday afternoons, 1:15-2:15 pm, in-person (lunch provided) See page 2 for locations In addition, students are required to attend the weekly Thursday, 12.00noon CSHL-wide seminars starting in October, which are given by visiting speakers.
Student Evaluation	Evaluation of students will be pass/fail, based on: 50% active participation in class discussions, 50% assignments
Assignments	There will be EIGHT assignments: – Written assignments (4): Abstract, Fellowship Statement Draft 1, Fellowship Statement Draft 2, News & Views Article – Presentation assignments (4): Figures, PowerPoint Presentation, Poster, Chalk Talk <u>Guidance for Written Assignments:</u> – Must be emailed as MS Word docs to Rebecca Leshan (Leshan@cshl.edu), by 12:00noon on the day they are due. – All written assignments must be in Times or Arial 12-point font, with the student's name(s) in the header or footer. For assignments longer than one page, include a running footer with name and page number. – File names should be in the format: AssignmentName_YourSurname
Reference Material	Textbooks: – Gastel, Barbara. 2016. <i>How to write and publish a scientific paper</i>. – Strunk, William, E. B. White and E. B. White. 2009. <i>The elements of style</i>. – Zinsser, William. 2006. <i>On writing well</i>. Supplemental reading: – How to Edit Your Own Writing (NYTimes April 2020) https://www.nytimes.com/2020/04/07/smarter-living/how-to-edit-your-own-writing.html Discussion Papers – National Academy of Sciences, National Academy of Engineering, and Institute of Medicine. 2009. <i>On Being a Scientist: A Guide to Responsible Conduct in Research</i> – Ruben, A. (2016) How to read a scientific paper. <i>Science</i>. [online only] doi: 10.1126/science.caredit.a1600012 – Babey, M.E., et al. (2024) A maternal brain hormone that builds bone. <i>Nature</i>, 632: 357-365; doi: 10.1038/s41586-024-07634-3



Date	Location	Topic	Lecturer	Assignments
WED, Sep 4	Bush Fireplace	Introduction & Course Overview Writing: Overview & Principles	Dave Jackson Charla Lambert, CSHL DEI	
Fri, Sep 6	James Library	Writing: Abstracts	Charla Lambert, CSHL DEI	Abstracts (A+B)
Mon, Sep 9	Samet, Koch	Writing: Manuscripts; Ethics: Bioethics 101	Jeremy Borniger; Rebecca	
Wed, Sep 11		[NO CLASS: Assignment Due]		DUE: Abstracts (A)
Fri, Sep 13	James Library	[CLASS CANCELLED]		DUE: Abstracts (B)
Mon, Sep 16 11:00-1:30pm	Delbruck	Presenting: Figures Writing/Ethics: Publishing Perspectives	Hannah Meyer Richard Sever, CSHL Press	Figures
Fri, Sep 20	James Library	Presenting: Effective Presentations	Rebecca Leshan	PowerPoint Talks
Mon, Sep 23	Bush Frplce	Ethics: Genome Ethics	Stephane Castel, Variant Bio	
Fri, Sep 27	James Library	Writing: Editing & Feedback	Jackie Jansen, Weill Cornell	DUE: Figures
Mon, Sep 30	Samet, Koch	Writing: Fellowships; Ethics: Plagiarism	Dave Jackson; Jan Witkowski	Fellowshp Stmt, Draft1
Fri, Oct 4	James Library	[Feedback on Figures] Ethics: Rigor & Reproducibility (video)	Hannah Meyer [Rebecca]	
Mon, Oct 7	Samet, Koch	Writing: Nonexpert Audiences; PPT Pres	Rebecca Leshan; All students	DUE: Powerpoint
Fri, Oct 11	James Library	Presenting: Scientific Posters	Hannah Meyer	Posters
Mon, Oct 14		NO CLASS: Holiday		
Tue, Oct 15		[NO CLASS: Assignment Due]		DUE: FS Draft 1
WED, Oct 16	Bush Fireplace	Presenting: Chalk Talks Ethics: Democratizing the tools of gene editing for agricultural improvements	Jeremy Borniger Nicholas Karavolias	Chalk Talks
Fri, Oct 18	James Library	[Feedback on Draft 1]	[All Instructors]	Statemt, Draft 2
Mon, Oct 21 10:30-12:00pm	Samet, Koch	Ethics: Scientific Misconduct (video)	Rebecca, Dave, Nicholas	
Fri, Oct 25	James Library	Student Poster Presentations	All students	DUE: Posters
Mon, Oct 28	Samet, Koch	Writing: News & Views Intro Ethics: Science in Criminal Justice	Dave Jackson Tebah Browne, Innocence Proj	News & Views Article DUE: FS, Draft 2
THU, Oct 31 2:00-3:00pm	Samet, Koch	Ethics: Māori ethical frameworks & applications in gene technology-based research	Phillip Wilcox, Univ of Otago	
Mon, Nov 4	Samet, Koch	[Feedback on Draft 2] Ethics: Health Disparities	[All Instructors] Nyasha Chambwe	
Fri, Nov 8	James Library	Writing: Social Media Panel	Bri Bibel, Jeremy Borniger, Lisa Cruz	
Mon, Nov 11	Samet, Koch	Student Chalk Talks	All students	DUE: Chalk Talks
Fri, Nov 15	James Library	Ethics: Human Subjects Research	Diane Esposito	
Mon, Nov 18 10:00-12:00pm	Samet, Koch	Communicating Science	Radha Ganesan, Alda Center	DUE: News & Views
Fri, Nov 22	James Library	Ethics: AI Ethics	Tony Zador, CSHL	
Mon, Nov 25	Samet, Koch	[Feedback on News & Views] Ethics: Gender & Racial/Ethnic Bias	[All Instructors] Charla Lambert, Rebecca Leshan	
Fri, Nov 29		NO CLASS: Holiday		
Mon, Dec 2	Samet, Koch	Ethics: GMOs and Gene Editing Ethics: Animal Research	Dave Jackson Rachel Rubino	