



Director of Training & Education, Department of Data Science

OVERVIEW: The Dana-Farber Cancer Institute's [Department of Data Science](#) is seeking a **Director of Training and Education**, a fully funded position. The successful candidate will be responsible for developing training curricula for a team of master's-level statisticians and computational biologists, including topics related to clinical trials, statistical modeling and inference, and genomics analysis. They will also create a continuing education program, online resources, and teach workshops. Qualifications include a PhD in biostatistics, statistics, or related fields, with a focus on, or willingness to learn computational biology. The department encourages research collaborations, and although the position is fully funded, the department will facilitate relevant research collaborations as desired. Interested candidates can apply via the provided link below.

The Director of Training and Education will additionally hold a dependent lecturer appointment at the Harvard T.H. Chan School of Public Health in the [Department of Biostatistics](#). This Harvard faculty appointment will enable participation in classroom teaching and advising activities at the School, as well any other relevant departmental and School initiatives, as appropriate.

The successful candidate will:

- Develop training curricula for a collaborative **team**: a group of 40-50 masters-level statisticians and computational biologists who collaborate with investigators across the institute. Topics will include clinical trials design, monitoring and analysis; observational study design, biases and analysis methods; survival analysis; genomics analysis; relevant topics in statistical inference, linear models, and reproducible research. The curricula will be composed of both theory and implementation in modern computing environments. *[NOTE: Although some level of proficiency is required for a subset of the topics listed above, expert knowledge of all **is not required**. The curricula will be developed in collaboration with our faculty and we will provide time and resources for the person in this position to learn new application areas.]*
- Develop a continuing education program that expands the training curricula to tutorials on more advanced methods and their implementation particularly relevant to oncology research, and to introductory overviews of novel study designs and methods.
- Create an online infrastructure of searchable enduring materials developed from this curriculum. Preferably on GitHub.
- Teach weekly in person workshop/journal club to our biostatistics and computational biology collaborative team.
- Teach quarterly in person workshops on topics related to fundamentals of research design and basic data analysis for clinicians and scientists outside of our department; and facilitate ad hoc requests for training lectures from outside of our department. *[NOTE: Experience or willingness to teach hybrid or remote workshops is expected.]*
- Help onboard PhD students and postdoctoral fellows joining research groups in our department.
- Teach one course annually in the Department of Biostatistics at the Harvard T.H. Chan School of Public Health and, as appropriate/desired engage in student advising and/or other departmental or School activities

QUALIFICATIONS: Candidates must have a PhD (or equivalent) in biostatistics, statistics, or a related field and an interest in computational biology. Candidates should have demonstrated potential for excellence in teaching Biostatistics and/or Statistics at the university level.

APPLY: Please apply via this form: <https://bit.ly/DSDirectorTrainingEducation>

CONTACT: Please direct any questions to: chair@ds.dfc.harvard.edu



ABOUT US: The [Department of Data Science](#) at Dana-Farber Cancer Institute drives cancer research through innovation and collaboration in the quantitative sciences. The department is unified by a commitment to improving cancer care through data-driven approaches. We strive to understand the biology of cancer, test the efficacy of treatments and extract knowledge from complex datasets.

Located in Boston and the surrounding communities, Dana-Farber Cancer Institute brings together world renowned clinicians, innovative researchers and dedicated professionals, allies in the common mission of conquering cancer, HIV/AIDS and related diseases. Combining extremely talented people with the best technologies in a genuinely positive environment, we provide compassionate and comprehensive care to patients of all ages; we conduct research that advances treatment; we educate tomorrow's physician/researchers; we reach out to underserved members of our community; and we work with amazing partners, including other Harvard Medical School-affiliated hospitals. At Dana-Farber Cancer Institute, we work every day to create an innovative, caring, and inclusive environment where every patient, family, and staff member feels they belong. As relentless as we are in our mission to reduce the burden of cancer for all, we are equally committed to diversifying our faculty and staff. Cancer knows no boundaries and when it comes to hiring the most dedicated and diverse professionals, neither do we. If working in this kind of organization inspires you, we encourage you to apply.

At the forefront of efforts to benefit the health of populations worldwide, the Harvard T.H. Chan School of Public Health [Department of Biostatistics](#) is widely known for innovative design and analysis in clinical trials and observational studies, missing data, causal inference, precision health, network analysis, computational and systems biology, microbiome analysis, statistical genetics and genomics, neurostatistics, statistical and machine learning methods, and environmental statistics. Its innovative approaches to the analysis of massive health-related data are strengthened by a deep foundation in theory and application. With a strong mentoring and a supportive environment, the department's unique and diverse community provides unparalleled collaborative opportunities with the Dana-Farber Cancer Institute, other world-class Harvard-affiliated hospitals, and many other academic departments across the University.

EQUAL EMPLOYMENT OPPORTUNITY: Dana-Farber Cancer Institute is an equal opportunity employer and affirms the right of every qualified applicant to receive consideration for employment without regard to race, color, religion, sex, gender identity or expression, national origin, sexual orientation, genetic information, disability, age, ancestry, military service, protected veteran status, or other groups as protected by law.