

Postdoctoral Fellow - LInc-The Learning Incubator

Position

Title	Postdoctoral Fellow - LInc-The Learning Incubator
School	Harvard John A. Paulson School of Engineering and Applied Sciences
Department/Area	The Learning Incubator (LInc)
Position Description	<p>The Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) seeks applicants for full-time Postdoctoral Fellows with the SEAS Learning Incubator. The mission of the SEAS Learning Incubator is innovation of educational pedagogy in engineering and/or science. The position requires a combined expertise in a specific scientific discipline with in-depth knowledge of teaching methods and research on learning. The postdoctoral fellows will collaborate with SEAS LInc Faculty Fellows to develop and implement course transformation (design/redesign of an existing course or design of a new course), as well as provide background research on teaching and learning; identify evidence based educational practices; and design assessment instruments to measure learning and gather comprehensive data on student learning and thinking.</p> <p>Expected responsibilities include:</p> <ul style="list-style-type: none">• Develop learning objectives, assessment instruments, and pedagogical approaches for design/redesign of courses• Align in-class and out-of-class activities to course learning objectives• Implement and adapt novel pedagogies• Develop course assessment measures of student learning (pre/post-tests of student conceptual understanding)• Coordinate and implement the pilot trial of newly designed/redesigned courses• Provide faculty with feedback and coaching advice based on direct observation, student interviews, surveys, etc.• Present experiences and research findings to the Harvard SEAS community• Publish journal articles on research findings, and present at research conferences and department seminars (in collaboration with faculty members)• Serve as a resource to faculty on issues related to pedagogy. Keep abreast of all current relevant research.
Basic Qualifications	A Ph.D. in applied mathematics; computer science; physics; various areas of engineering including biomedical, electrical, environmental and mechanical engineering; or science education.
Additional Qualifications	Applicants should have a well-articulated interest in innovative curriculum transformation and research and prior involvement with such activities, such as experience in the development of curriculum, online teaching, project management, and familiarity with current pedagogical research.
Special Instructions	Required application documents include a cover letter, a CV, a one-page statement of teaching interests, sample syllabi, and names and contact information for at least three references. We will continue to review applications until the position is filled.
Contact Information	Lisa Frontado Director Learning Incubator Harvard John A. Paulson School of Engineering and Applied Sciences Pierce Hall 107H, 29 Oxford Street, Cambridge, MA 02138
Contact Email	lfrontado@seas.harvard.edu
Equal Opportunity Employer	Harvard University is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.
Minimum Number of References Required	3
Maximum Number of References Allowed	5

Supplemental Questions

Required fields are indicated with an asterisk (*).

Applicant Documents

Required Documents
<div><div>1. Curriculum Vitae</div><div>2. Cover Letter</div><div>3. Statement of Teaching Philosophy</div><div>4. Sample Syllabus</div></div>
Optional Documents
<div><div>1. Statement of Research</div><div>2. Course Evaluation</div><div>3. Proposed Course Description</div></div>