Robert Jeffery Fellowship in Radiology

Background
The Robert Jeffery Fellowship in the Department of Radiology at DHMC enables one student a year to obtain a multifaceted exposure to radiology research, education and clinical radiology. This fellowship provides the student with a unique background when applying for radiology residencies. The student becomes an integral member of the department during this year, learning collaborative skills working with both residents and faculty.

Finances
Support would be provided to a maximum of $22K. Some of this may come from grant funding such as the Hitchcock Foundation, Howard Hughes or other dedicated medical student grants and the student would be expected to work with faculty on grant applications prior to starting the fellowship. The remainder will be funded from the department.

The student would be expected to work with their medical school to maintain academic status if necessary.

Objectives
Over the 12 months spent in radiology, the student will:
1) Develop skills in performing and presenting radiology research
2) Learn basic radiological interpretative skills
3) Develop management skills by running the Triage program
4) Develop radiological triage skills by working the Triage program
5) Improve their presentation skills
6) Develop experience in innovative educational instructional methods.
7) Learn how to write and edit effective multiple choice questions.
8) Develop skills in mentoring younger colleagues
9) Develop a competitive advantage when applying to residency

Structure
The Fellowship consists of a number of components:
1) Research: Faculty or residents would submit proposals for research projects, the projects assigned to the student would depend on the time/resources available, skills required and the number/size of projects that it is felt the student could reasonably accomplish during the time period. The aim is for the student to be, at minimum a first author on a submitted abstract to a radiology meeting. If accepted,
the department will support the student attending the meeting. The student will present the results of any research to the department.

2) **Clinical:** Additional clinical rotations dependent on the student's interest, other learners in the department and that felt appropriate by the student elective director would be scheduled. Ideally, these should allow the student to take more of a 'sub-intern' type of position, including doing pre-dictation on studies.

3) **Triage:** The student should participate in the Radiology Triage Program and evolve into becoming the Triage student director or co-director during this year or the subsequent year.

4) **Education:**
   
a) The student will take part in at least one educational project within the department. Proposals for these projects will be submitted and assigned by faculty or residents in a similar manner to the research projects and may include such areas as development of teaching files, websites, on-line modules or other teaching resources.

   b) The student will present a noon conference to the department during or at the end of their year, the topic to be decided by the student with consultation with Dr. Lewis and other department advisors.

   c) The student will be involved with developing or improving some aspect of the student elective experience

   d) The student will teach or facilitate at least one student session

   e) The student will help support Radiology ExamWeb question database development

5) **Mentorship:** The student will be supervised by Dr. Lewis, but will be assigned both a faculty and a resident mentor dependent on their assigned projects. The student will also be assigned a 1st or 2nd year student interested in radiology as their mentee.

**Evaluation:**

1) **Research:**
   
a) Formal evaluation by project supervisors
   
b) Success in presentation and/or paper submissions
   
c) Evaluation of research presentation

2) **Clinical**
   
a) Evaluation from residents and faculty on clinical rotations

3) **Triage**
   
a) Feedback and evaluation from residents on call and Faculty Triage Director

4) **Education**
   
a) Formal evaluation from educational project supervisors
   
b) Evaluation of grand rounds
   
c) Feedback from student elective director

5) **Mentorship**
a) Feedback from both mentors and mentee

Application

This will be a competitive application. The applications will be assessed and awarded by the Radiology Education Leadership Group. It will be open to all 3rd and 4th year Medical Students.

Students interested in applying should send the following materials by 3/15/14 to:

Petra J. Lewis MD
Professor of Radiology
Vice Chair of Education, Department of Radiology
Dartmouth-Hitchcock Medical Center
Lebanon, NH 03766

petra.lewis@hitchcock.org

1. Current CV
2. Current Medical School transcript
3. Reference letter from one faculty member (Radiology or other)
4. 1-2 page essay describing: what aspect(s) of this fellowship attract you, how this would help you achieve your long term goals and why you consider yourself a strong candidate. If you have any proposals for radiology research, or are already involved in research within the department please include this in your essay.

Student applicants will be informed of the Fellowship award by 5/01/14

Petra Lewis MD
Vice Chair for Education, Radiology
February 5, 2014