

Mentoring M.D./Ph.D. Students in Longitudinal Clinical Research Preceptorships within the NIH Intramural Program

With the establishment of the NIH national M.D./Ph.D. partnership training program (<http://gpp.nih.gov/Applicants/ProspectiveStudents/MSTPatNIH/>), 35 students are now spending between 18 months and three years engaged in laboratory research as part of combined M.D./Ph.D. training. In addition, some of these students are completing Ph.D. training at NIH and are committed to attending medical school thereafter. We are looking to match these students with mentors active in clinical practice and research in the NIH Clinical Research Center (CRC). Specifically, we aim to create longitudinal, one-half day per week preceptorships for students who are in the Ph.D. thesis phase of their training. The purpose of these preceptorships is to increase the students' level of preparedness for clinical activities and to expose them to the unique clinical research environment of the CRC. Students will have varying levels of training depending on their background, and should be permitted to interact with patients commensurate with their experience, and always under supervision. We would like them to spend at least six months and up to 18 months associated with a particular project. It is hoped that the more time a student spends contributing to a study or following a patient cohort, the more likely she/he will become a contributing member of a clinical research team.

If you are interested in mentoring a student for this activity or are directing a training/clinical research program in which the student may participate, please fill in the fields below and return the completed form to **Bridget Lampert, Managing Director of the NIH-MD/PhD partnership** at lampertb@niaid.nih.gov. Thank you for your efforts in helping train future physician-scientists at NIH.

<p>Richard Siegel, M.D., Ph.D. Director, National NIH-MD/PhD Partnership Program 301. 496.3761 rsiegel@nih.gov</p>	<p>Bridget Lampert, M.S. Ed Managing Director NIH-Oxford/Cambridge Scholars Program National NIH-MD/PhD Partnership Program 301. 435.5317 lampertb@niaid.nih.gov</p>
<p>Frederick P. Ognibene, M.D. Director, Office of Clinical Research Training and Medical Education, CC Director, Clinical Research Training Program 301.402.0563 FOgnibene@cc.nih.gov</p>	<p>Elise Kohn, M.D. Acting Director: Medical Education Program, OITE, OD 301.496.9336 kohne@mail.nih.gov</p>

Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

Michael T. Collins, M.D.

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

Dr. Collins conducts clinical and translational research in the area of bone and mineral metabolism. His approach is to study and treat patients with rare disorders of bone and mineral metabolism as models through which to understand human bone and mineral biology and physiology. Current models of focus include (among others) fibrous dysplasia of bone, tumor-induced osteomalacia, and hypoparathyroidism.

C) Place and time of activity (if a regularly scheduled activity), or indicate "TBA".

TBA

D) Level of student trainee you would be willing to precept (check applicable).

Preclinical medical student (M1,2)

Years of clinical training (M 2-4)

Graduate studies only

Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

Phillip Dennis, M.D., Ph.D.
Internal Medicine and Medical Oncology

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

I supervise the medical oncology clinic at NCI/Navy Medical Oncology. We set a variety of cancer types, and utilize both standard of care therapies and experimental therapies.

C) Place and time of activity (if a regularly scheduled activity), or indicate "TBA".

Mon-Thurs 830-4pm

D) Level of student trainee you would be willing to precept (check applicable).

Preclinical medical student (M1,2)

Years of clinical training (M 2-4)

Graduate studies only

Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

William A. Gahl, MD, PhD

Pediatrics, Clinical Genetics, Clinical Biochemical Genetics

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

Attend weekly clinical planning rounds, attend weekly walk rounds (seeing patients), accompany PI on wrap-up sessions (ad hoc). In addition, we have several clinical protocols that could support instruction of a medical student, but the suitability depends upon what is happening at any particular time. For example, we may need someone to help fill out Clinical Report Forms for an FDA protocol; this would involve instruction of the trainee as well. Our lab is willing to discuss options with candidates.

C) Place and time of activity (if a regularly scheduled activity), or indicate "TBA".
Rounds Monday at noon; Walk rounds Thursdays at 9:15.

D) Level of student trainee you would be willing to precept (check applicable).

Preclinical medical student (M1,2)

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Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

Elaine S. Jaffe, M.D. and the Staff of the Laboratory of Pathology
All are Board Certified in Anatomic Pathology, and some have additional subspecialty training, such as Hematopathology,

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

Students will rotate in pathology, gaining experience in diagnostic pathology at the gross and microscopic levels. Students can elect to concentrate in one speciality area, such as surgical pathology, hematopathology, molecular diagnostics, cytopathology, or rotate through all of the diagnostic services.

The student will be part of a consulting team comprised of a resident and senior staff pathologist. The primary route for the student to acquire knowledge and gain feedback on performance will be direct one-on-one interactions with the staff. The formal aspects of the educational experience include systematic staff instruction in the categorical topics of anatomic pathology and supplementation of case material by twice-weekly teaching conferences and study sets. Numerous clinical rounds and seminars provide for exchange of information with patient care physicians, and exposure to ongoing clinical research at the NIH. In addition to gaining knowledge about the practice of pathology in an academic setting, and gaining some diagnostic skills, the student will learn to use and appreciate new molecular diagnostic techniques, which will play an ever-increasing role in the future of pathology.

Information about medical student elective is found on the Office of Education web site:
<http://www.training.nih.gov/student/cep/index.asp>

Departmental web site for clinical activities:
<http://home.ccr.cancer.gov/LOP/Clinical/default.asp>

Departmental web site for training programs:
<http://home.ccr.cancer.gov/LOP/Clinical/training/default.asp>

Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

Gregory Kato, M.D.
Pediatric Hematology-Oncology

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

Sickle Cell Clinic

25 – 35 outpatient adults with sickle cell disease seen for clinical management and for participation in clinical research protocols, many with pulmonary hypertension.

C) Place and time of activity (if a regularly scheduled activity), or indicate “TBA”.

ACRF 7th floor Clinic, Mondays noon – 3 pm
10/7S235 Conference Room, Mondays 3 pm – 5 pm

D) Level of student trainee you would be willing to precept (check applicable).

Preclinical medical student (M1,2)

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Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

Steven Pavletic, MD, Head, Graft-versus-Host and Autoimmunity Unit,
Experimental Transplantation and Immunology Branch, National Cancer Institute

Internal Medicine, Oncology, Hematology, Bone Marrow Transplantation

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

Clinical Bone Marrow Transplantation, major scientific focus on chronic graft-versus-host disease. The preceptorship would include attending clinical inpatient and outpatient rounds and visits, including the chronic GVHD NIH multidisciplinary clinic and didactic lectures and discussions. Candidate would be engaged in the clinical studies and analyses of the unique and large clinical and laboratory database of chronic GVHD patients. An abstract presentation at a major national meeting and/or paper publication would be one of the major objectives.

C) Place and time of activity (if a regularly scheduled activity), or indicate "TBA".

CCR, NCI, time TBA

D) Level of student trainee you would be willing to precept (check applicable).

Preclinical medical student (M1,2)

Years of clinical training (M 2-4)

Graduate studies only

Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

William H Theodore MD
Epilepsy and neuroimaging

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

The NINDS clinical epilepsy section evaluations patients with uncontrolled epilepsy and performs video-EEG monitoring and a variety of imaging studies that include PET and fMRI. Students would be able to evaluate patients, and participate in collection and analysis of imaging data.

C) Place and time of activity (if a regularly scheduled activity), or indicate "TBA". We have a Friday morning clinic, but the best approach is to have a medical student do a 'clerkship' for 4-8 weeks.

D) Level of student trainee you would be willing to precept (check applicable).

____x____Preclinical medical student (M1,2)

Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

Carter Van Waes, MD, PhD, (and staff) Otolaryngology-Head and Neck Surgery

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

Participation in NIDCD Otolaryngology clinics one half day or more per week are available. Preceptorships may include participation in one or more of the following: multidisciplinary clinic and tumor board related to head and neck oncology (surgery, medical and radiation-oncology); general otolaryngology consult service; Hearing Genetics; and Otology and Audiology (diseases and disorders of the ear)

C) Place and time of activity (if a regularly scheduled activity), or indicate "TBA".

Arrange with Dr Van Waes

D) Level of student trainee you would be willing to precept (check applicable).

Preclinical medical student (M1,2)

Years of clinical training (M 2-4)

Graduate studies

Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

Meena Vythilingam M.D.
Specialty: Psychiatry

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

The student could:

- Help with initial evaluations of patients with PTSD related to combat or civilian trauma
- Assist patients and controls through various stages of participation in a clinical research protocol
- Accompany and support participants during fMRI scanning
- Administer tasks in the fMRI environment
- Administer psychological and psycho physiological tasks
- Help with data entry and manuscript preparation
- work in a multidisciplinary team consisting of nurses, psychologists, social workers and research assists

C) Place and time of activity (if a regularly scheduled activity), or indicate "TBA".

Mentoring and Project Description: Longitudinal Clinical Research Preceptorships

A) List below the name of the mentor, his/her degrees, and sub-specialty training.

Bradford J. Wood, MD
Tenure-Track Investigator
Diagnostic Radiology Board Certified
Vascular and Interventional Radiology CAQ
Interventional Oncology

B) Describe the nature of clinical activity and role of the potential student participants. Please provide as much detail as possible since we will distribute this information to interested students. Include references and web links to clinical protocols or papers related to the preceptorship if applicable.

Image guided therapies, smart drug + smart device operating room of the future, molecular interventions, interventional radiology, drug delivery, GPS-smart medical devices, Bioengineering, Tumor ablation with heat, MR thermometry + high intensity focused ultrasound, molecular imaging.

See attached pdf's for more specifics of research interests:

C) Place and time of activity (if a regularly scheduled activity), or indicate "TBA".

D) Level of student trainee you would be willing to precept (check applicable).

x Preclinical medical student (M1,2)

x Years of clinical training (M 2-4)

x Graduate studies only