

HARBOR-UCLA MEDICAL CENTER POSTDOCTORAL FELLOWSHIP TRAINING PROGRAM IN ENDOCRINOLOGY AND METABOLISM

DESCRIPTION OF THE PROGRAM

The Divisions of Endocrinology and Metabolism of the Harbor UCLA Medical Center (H-1) and City of Hope National Medical Center (H-2) offer three different postdoctoral training programs. The first is a 2-3 year **research training program for PhDs** (Research track) who intend to pursue a research career in academics or industry. The second is a 3 year **research and clinical training program for MDs** (Academic track) who intend to pursue a career in academic medicine. These programs are designed specifically to develop high level investigative skills essential for individuals wishing to pursue an investigative career. The 2 year **clinical program for MDs** (Clinical track) is designed for those MDs who plan to concentrate their efforts in the practice of Endocrinology and Internal Medicine. For the MDs with appropriate prior specialty training in Internal Medicine or Pediatrics, both programs provide comprehensive clinical training required for eligibility for the board examination in Endocrinology and Metabolism in either Medicine or Pediatrics. When a trainee is not board eligible in Medicine, Pediatrics or other clinical area before beginning Endocrine training, the Endocrine training may or may not be given "credit" towards Endocrine boards. It is the trainee's responsibility to negotiate these issues with the American Board of Subspecialties.

The Core Clinical Curriculum is similar for all fellows. However, based on research interests, fellows will be assigned to either HUMC or COH where they will receive the majority of their training. All fellows will be assigned clinical rotations at both institutions.

TRAINEE PREREQUISITES

MD candidates can be considered at any stage of their postdoctoral training, but preference will be given to those who have completed a residency in Internal Medicine, Pediatrics, Ob/Gyn, Urology or other related specialties. The program is also well suited for postdoctoral training for candidates with PhD degrees at any time after completion of their degree. **All** MD trainees who have completed 3 years of residency training in the US must possess a California license to practice medicine in order to do clinical training.

SUPPORT

The combined research/clinical training program (Research and Academic tracks) is supported by USPHS National Research Service Award funds in the form of an NIH institutional postdoctoral training grant and/or individual faculty research grants. USPHS trainees must be US citizens or permanent resident aliens. J-1, H-1 or F-1 visa status is not acceptable. The two year clinical program for internists (Clinical track) is supported by hospital funds.

HARBOR-UCLA MEDICAL CENTER LOS ANGELES BIOMEDICAL RESEARCH CENTER (H-1)

RESEARCH FACILITIES

Faculty laboratories and offices are housed in a modern 20,000 square feet building designed specifically to meet the research needs of the investigators. Common resources include tissue culture facilities, a stable isotope facility, a sperm function laboratory, molecular biology facilities, morphology facilities (including electron and confocal microscopy), an animal surgical suite and vivarium and all other instrumentation for state of the art endocrine and metabolic research.

A Clinical Research Center is available for clinical research in older children and adults. A Perinatal Clinical Research Center for research in mothers and infants also is available.

HOSPITAL FACILITIES

The Harbor-UCLA Medical Center is a Los Angeles County facility with 500 beds. There is an active Endocrine consult service with the opportunity to see and learn to diagnose and manage all categories of endocrine disease. The facility provides state of the art diagnostic and therapeutic capabilities. It is one of the major teaching hospitals of the David Geffen School of Medicine at UCLA.

CLINICS, CONFERENCES AND SEMINARS

MD fellows attend the Endocrine, Diabetes, Pituitary, Thyroid Fine Needle Biopsy and Reproductive Endocrinology Clinics, Endocrine Clinical Conference and Endocrine Grand Rounds. There is also an opportunity to attend Genetics Clinic. PhD fellows attend those clinically related activities as their interests dictate. All fellows attend the following regularly scheduled conferences: Basic Science Seminar Series; Research in Progress Lab Group Meetings; Introduction to Clinical Research; Responsible Conduct of Research and Biostatistical Methods Seminar Series.

CITY OF HOPE NATIONAL MEDICAL CENTER (H-2)

The [endocrine fellowship program at Harbor-UCLA](#) includes the [City of Hope National Medical Center](#). The Department of Diabetes, Endocrinology and Metabolism at the City of Hope National Medical Center possesses several features that make it an ideal site to support a strong fellowship program. It has advanced clinical programs in diabetes, thyroid cancer, neuroendocrine tumors, osteoporosis, calcium and electrolyte disturbances, and sexual and reproductive disorders. The department also established in several clinical and basic science research programs such as molecular signaling, hormonal factors and hormone discovery, cellular mechanisms of atherosclerosis, development of advanced glycation end-products (AGE) inhibitors and AGE breakers, and diabetic immunology and islet isolation, proliferation and transplantation. Additionally, joint studies with the Divisions of Hematology, Bone Marrow Transplantation, and Medical Oncology are being conducted to evaluate endocrine-related complications to cancer and cancer treatment.

At City of Hope, the fellows will receive training in all endocrine disciplines, including: thyroid disorders and thyroid cancers, adrenal gland dysfunctions and tumors, pituitary gland disorders, metabolic abnormalities associated with cancer and its treatments, and osteoporosis and other metabolic bone diseases. Fellowship training at City of Hope will focus on the treatment of patients with diabetes, including patients with type 1, type 2 and those with drug and disease-induced forms of diabetes, such as that seen in cancer patients on steroid therapy and IV nutritional support. The fellows will gain experience with advanced monitoring and treatment strategies for diabetes, including continuous glucose monitoring, oral medications, and insulin pump therapy. At City of Hope, the fellows will also participate in the ongoing clinical islet transplantation program and will be involved in the screening and follow-up care of islet transplant recipients with and without prior renal transplants. Fellows will also gain important experience with the diagnosis and management of diabetes-related complications and diabetes-associated disorders, including acute metabolic deteriorations, retinopathy, neuropathy, hyperlipidemia, hypertension, coronary disease, peripheral vascular disease and sexual dysfunction. Tumor associated endocrinopathies are frequently evaluated and therapeutic strategies implemented. Endocrine gland cancers are often referred to the City of Hope National Medical Center. Fellows will also receive training on the implementation of non-drug strategies for the management of diabetes and its complications, including weight reduction and behavioral modification.

Physicians participating in the joint fellowship program at City of Hope and Harbor-UCLA will have the opportunity to receive training in islet transplantation that will prepare them to meet the requirements set by the United Network of Organ Sharing (UNOS), a national organ procurement agency, for establishing new islet transplantation centers.

CURRICULUM

Endocrinology fellows will be primarily assigned to either the City of Hope site or Harbor-UCLA site where they will receive the majority of their training. Trainees will rotate to both institutions. This type of curriculum will expose fellows to a wider range of endocrine disciplines. Upon completion of the program, endocrine fellows are expected to be fully trained in the treatment and management of endocrinology-related diseases and disorders.

HOSPITAL FACILITIES

The City of Hope National Medical Center was established in 1913 as a charitable hospital supported by a philanthropic volunteer organization. It has 917,137 square feet of clinical, laboratory, and administrative space, dedicated to the prevention and cure of life-threatening diseases, such as cancer and diabetes, through both innovative research and compassionate patient care. The Diabetes Program at City of Hope was established in 1971 by Rachmiel Levine, M.D., and is currently led by Fouad Kandeel, M.D., Ph.D. in The Leslie and Susan Gonda (Goldschmied) Diabetes and Genetic Research Center, a 43,000 square foot, state-of-the-art research building.

APPLICATION

All endocrinology Internal Medicine applicants are through ERAS. Please go to the ERAS web site at www.aamc.org/eras for the application process. Pediatric Endocrinology applicants, please request an application at humcendocrine@labiomed.org. Also PhD applicants may request an application at humcendocrine@labiomed.org.

INQUIRIES AND RESUMES MAY BE SENT TO

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