



SCHOOL OF MEDICINE

CASE WESTERN RESERVE
UNIVERSITY



University Hospitals
Case Medical Center

Institution: University Hospitals Case Medical Center
Primary affiliate, Case Western Reserve University

Address: Department of Dermatology
11100 Euclid Avenue
Cleveland, OH 44106-5028

Program Neil J. Korman, M.D., Ph.D.

Director: Clinical Director, Murdough Family Center for Psoriasis

Contact: Kimberly Phillips, RN
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Required: CV, Personal statement, and three letters of reference

Start Date: July 1, 2010

Salary: Dependent on level of experience

Description:

1. Duration:
The program is a two year fellowship, renewed annually.
2. Prerequisite training:
Candidates must have completed a Medical Degree and have completed some advanced clinical and research training, such as a postdoctoral research year, or an advanced fellowship such as a lymphoma fellowship. Fellows should have completed an Internship year in internal medicine, family practice, pediatrics, surgery or obstetrics and gynecology.
3. Goals and Objectives:
 - A.) Develop expertise in the broad aspects of psoriasis, psoriatic arthritis and translational research in the field of psoriasis research.
 - B.) Gain proficiency in assessment skills to quantify involvement of psoriasis and other diseases commonly associated with psoriasis. Develop basic and translational research skills related to identification and mechanisms of cutaneous markers for psoriasis.
 - C.) Gain proficiency in biomarkers and epidemiology techniques for prognosis and treatment assessment.
 - D.) Demonstrate command of research investigation methodologies and regulatory requirements for translational research.
4. Program certifications:
There are no program certifications but a certificate of completion will be awarded at the completion of the program

Resources

1. Teaching Staff
 - Dr. Neil J. Korman - Professor, Clinical Director of Murdough Psoriasis Center and Trainer (Director of dermatopharmacology fellowship and supervisor of translational research program)

 - Dr. Kevin D. Cooper – Professor, Chairman and Director of Murdough Psoriasis Center (Oversees all functions in the Department of Dermatology)

 - Dr. Elma Baron - Assistant Professor (Director of Skin Study Center)

 - Dr. Thomas S. McCormick - Assistant Professor (Supervises basic research training for fellows)
2. Facilities
 - University Hospitals of Cleveland
11100 Euclid Avenue
Cleveland, OH 44106

 - Louis Stokes Veterans Administration Medical Center of Cleveland (VAMC)
10701 East Boulevard
Cleveland, OH 44106

Educational Program-Basic Curriculum

Year 1: The dermatopharmacology fellow will receive extensive training in all of the major components of the dermatopharmacology of psoriasis including patient evaluation, database development and laboratory based translational research. The fellow will attend weekly psoriasis clinic in the Department of Dermatology and train under the supervision of attending physicians. In this environment the fellow will learn how to evaluate patients for entry in the database as well as how to manage patients with numerous comorbidities. The fellow will be trained in database development, as well as learn how to successfully submit research protocols for IRB approval. The fellow will become familiar with all of the research trials for patients with psoriasis and be able to discuss these trials with patients. The research aspect of the program will be centered around diagnostics, biomarkers, mechanisms and epidemiology. Towards the end of the first year, the fellow will be expected to develop at least one investigator initiated psoriasis study under the supervision of the teaching staff.

Year 2: The fellow will continue to closely interface with the dermatology attending physicians for psoriasis patient evaluation. During the second year, the fellow will carry out the investigator initiated psoriasis study under the supervision of the teaching staff. The fellow will be responsible for database as well as laboratory based translational research on samples obtained from the patients. The second year fellow will also become involved in the combined dermatology/rheumatology psoriasis/psoriatic arthritis program and will closely interact with the dermatology and rheumatology faculty. The fellow will be actively involved in publication of case reports, review articles and translational research results.

Participant's supervisory responsibilities:

The fellow will be responsible for interacting with the entire psoriasis team of the Murdough Family Center for Psoriasis including the research nurses, coordinators, technicians and research faculty, in entering patients into the psoriasis database, developing new protocols, trouble shooting and the ongoing gathering of information in the psoriasis clinic (both at University Hospitals and the Cleveland VA), This will also require successful interactions with the support staff, patients, and their families. In Year 2, the fellow will supervise incoming Year 1 fellows, and teach/mentor medical students. The fellow is expected to develop at least one investigator-initiated study and obtain IRB approval, and execute the investigator initiated translational study which is expected to lead to publication in a major dermatology journal.

1. Procedural requirements:

The fellow will meet professional standards and demonstrate competency in each of the goals at the end of the fellowship years.

2. Didactic components:

The dermatopharmacology fellow may participate in the Didactic training program which occurs on Mondays from 1:30-5:00 PM. The fellow will also attend journal club where presentation of current translational research articles are presented. Fellows also attend research journal club once a month (1 hr conference) where current research papers in dermatology are presented.

3. PGY levels:

The training level will be at the University Hospitals of Cleveland PGY 2 level; the current stipend for this level is \$41,998. The second year stipend will be at the

PGY 3 level.

Evaluation

The fellow will be evaluated by all training faculty based upon performance in the research and conference setting. The fellow is also evaluated annually by the program director/Department Chair. Formal weekly meetings will be held to discuss the status of the psoriasis database and translational research. Evaluation of the research component of the fellow's work will be performed by research faculty working directly with the fellow.