Allergy/Immunology Fellowship Application Process

Please forward the following items to the address given below:

1. Application form, together with a letter describing your career goals and what special training or experiences you may be seeking at NIH

2. Curriculum Vitae

3. Transcripts from your medical school and undergraduate school. These should be official transcripts but can be photocopies sent by you.

4. Transcript from the United States Medical Licensing Examination (USMLE)

5. Three letters of reference about your clinical or laboratory skills.

6. Send a copy of your ECFMG certificate

National Institutes of Health
Jacqueline Webber
Office of the Clinical Director
Building 10 Room 11S231
10 Center Drive MSC 1894
Bethesda, Maryland 20892-1894

Telephone: (301) 496-3951 Fax: (301) 480-5560

Once sufficient material has been received, you will be notified as to whether an interview will be scheduled. You may also call, write, or fax us if you wish to know whether letters of reference, transcripts, or applications have been received.

If you are selected for interview by the A/I Training Program, interviews will be scheduled with the NIAID Selection Committee. Scheduling of interviews will be arranged by Ms. Jacqueline Webber in the Clinical Director office.

If you are selected as an Allergy/Immunology fellow you will be matched with a preceptor within a laboratory at the end of your first year. The exception would be when the applicant has made a special arrangement with an individual investigator to work in his or her laboratory.

APPLICATION FOR FELLOWSHIP IN
THE NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES,
NATIONAL INSTITUTES OF HEALTH

Full Name: _____
(Last) (First) (Middle)

Application for Fellowship to Begin: _____

Current Home Address:

_____
(Street) (City)

_____
(State) (Country) (Zip Code)

Telephone Number: Work:_____ Home: _____

E-mail Address: _____ Cell Phone: _____

Beeper Number: _____ Fax: _____

What is the best way to contact you? (i.e. e-mail, pager, cell phone, etc) _____

Date of Birth: _____ Sex: _____ Citizenship: _____

VISA type: _____ Date VISA began: _____
(We no longer accept J1 VISA applicants)

Social Security Number: _____

Unrestricted Medical License: yes or no [circle one]

If yes, (State/Number/Date of expiration):_____

If no, are you eligible [i.e. successfully completed USMLE] yes or no [circle one]

Current Work Address:

_____

(Street) (City)

_____

(State) (Country) (Zip Code)

Names of all College or Universities Attended (Including Medical School)	**Location**	**Major**	**Dates**	**Degree**
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Residencies:

Institution	**City**	**State**	**Dates**	**Type**
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Other Postdoctoral Experience:

Honors and Awards:

_____ Dean's List (years) _____ Phi Beta Kappa

_____ Alma Omega Alpha _____ Other (specify)

Professional References:

Name	Academic Title and Mailing Address	Phone
1. _____	_____ _____ _____	_____
2. _____	_____ _____ _____	_____
3. _____	_____ _____ _____	_____

Preferred Dates for Interview at NIH:

How did you hear about our Fellowship training program?

_____ Mentor

_____ Training Program Director

_____Journal Ad

_____Colleague

Other: _____

Overview of

ALLERGY AND CLINICAL IMMUNOLOGY TRAINING

- - -

National Institute of Allergy and Infectious Diseases
National Institutes of Health
Bethesda, Maryland

The National Institute of Allergy and Infectious Diseases offers a training program in allergy and clinical immunology designed to engender academic careers for candidates of the highest caliber. The 3-year program includes one year of clinical rotations, 2 years of weekly clinic responsibilities ($1^{st}/2^{nd}$ year), and 2 years of full-time research. Completion of the program qualifies Board-certified internists or pediatricians for the American Board of Allergy and Immunology.

The training program has a commitment to excellence in both research and clinical training. The core of the program is the two years spent in the laboratory of one of the senior investigators doing basic research on clinically relevant problems. Fellows work in the laboratory under the direct guidance of a senior staff member, who serves as the preceptor during the fellowship. This plan allows for close daily contact, individual instruction, and continuity during the training period. The purpose of the program is to train scholars interested in academic careers in allergy and clinical immunology.

Teaching of clinical skills is accomplished during clinical rotations the 1^{st} year on the NIAID inpatient service, NIAID allergy consult service, Walter Reed Army Medical Center inpatient consult service, Walter Reed Army Medical Center outpatient clinic, and Children's National Medical Center outpatient clinics. Additionally, trainees spend several weeks in the Clinical Immunology Lab at the NIH. In the second year, trainees continue in the Walter Reed Army Medical Center outpatient clinic, for a half-day every other week. Trainees are exposed to a broad spectrum of allergy patients with special emphasis on asthma, anaphylaxis, food allergy, rhinitis, sinusitis, urticaria, and mastocytosis. The NIAID inpatient service cares for patients with Wegener's Granulomatosis, immunodeficiency diseases [including chronic granulomatous disease, hyper IgE syndrome, hyper IgM syndrome, leukocyte adhesion disorder, SCID and AIDS], eosinophilia, and complex infectious and parasitic disease problems. Trainees act as consultants to the NIH for allergy and clinical immunology. In this manner, the program provides exposure to a wide variety of relevant clinical problems.

Didactics include weekly lectures in allergy and clinical immunology, an Allergy Journal Club, a monthly Washington DC Area Conference on Clinical Allergy and Immunology, several NIAID Infectious Disease Conferences, the, innumerable seminars held daily throughout the NIH, and night courses offered at the NIH by the Foundation for Advanced Education in the Sciences.

The facilities are in the Clinical Center of the NIH; a unique building designed with the research laboratories juxtaposed to our 20-bed inpatient research ward, Day Hospital, and the Ambulatory Care Research Facility. The laboratories consist of more than 20,000 square feet of modular space containing essentially all equipment required for state-of-the-art biomedical research.

One of the intangible aspects of training at the NIH is the atmosphere of creativity, which imbues the facilities. Here, in close proximity, are more than 1,000 laboratories, research in all areas of biology, world-renowned scientists, Nobel Prize winners, the National Library of Medicine, and the opportunity to interact with an outstanding faculty of scientists and clinicians dedicated to advancing the frontiers of knowledge. In such an atmosphere, potential for productive investigation flourishes and sound careers begin. It is the commitment of the training program in allergy and clinical immunology to foster these ideals.

The NIH is located in the center of Bethesda, Maryland in Montgomery County, a suburb of Washington, D.C. Bethesda is a warm, lovely town, largely populated by professional and government employees. Some of the finest schools in the U.S.A. are located in the area, as are the Metro (the subway), more than 100 restaurants, and extremely pleasant surroundings.

The Allergy and Clinical Immunology Training Program selects 3-4 trainees per year. Applicants are selected on the basis of academic achievement, clinical skills, and research potential. Salaries begin at $47,200 and additional benefits are provided through the program, as directed by the U.S. Government.

Special questions and additional inquires should be directed to:

National Institutes of Health
Jacqueline Webber
Clinical Director, NIAID
Building 10, Room 11S231
10 Center Drive, MSC 1894
Bethesda, Maryland 20892-1894

Telephone: 301-496-3951 Fax: 301-480-5560

The Faculty of the Allergy Immunology Training Program:

Laboratory of Clinical Investigation: (Chief, Stephen Straus, M.D.)

Stephen Straus, M.D.	Chief, LCI
Warren Strober, M.D.	Deputy Chief/ Mucosal Immunity Section
John Bennett, M.D.	Clinical Mycology Section Infectious Disease Training Program
Jeffery Cohen, M.D.	Medical Virology Section
Joshua Farber, M.D.	Senior Investigator
K.J. Kwon – Chung, M.D.	Molecular Microbiology Section
Brain Kelsall, M.D.	Investigator
Adriana Marques, M.D.	Clinical Studies Unit

Laboratory of Allergic Diseases: (Chief, Dean Metcalfe, M.D.)

Dean Metcalfe, M.D.	Mast Cell Biology Section
Kirk Druey, M.D.	Molecular Signal Transudation Section
Calman Prussin, M.D.	Clinical Allergy and Immunology Unit
John Coligan, M.D.	Receptor Cell Biology Section
Andrea Keane-Myers, Ph.D.	Eosinophil Biology Section

Laboratory of Immunoregulation: (Chief, Anthony S. Fauci, M.D.)

Anthony S. Fauci, M.D.	Director, NIAID
H. Clifford Lane, M.D.	Clinical Director, NIAID; Chief Clinical and Molecular Retroviral Section
Thomas Quinn, M.D.	International HIV and STD Unit
John Kehrl, M.D.	B-Cell Molecular Immunology
Uli Siebenlist, M.D.	Immune Activation Section

Richard Davey, M.D.	HIV/AIDS Clinical Research Program
Mark Connors, M.D.	Senior Investigator
Judith Falloon, M.D.	HIV/AIDS Clinical Research Program
Michael Polis, M.D.	HIV/AIDS Clinical Research Program
Michael Sneller, M.D.	Chief, Immunologic Disease Section

Laboratory of Host Defenses: (Chief, John I. Gallin, M.D.)

Harry L. Malech, M.D.	Deputy Chief, Laboratory of Host Defenses
Steven M. Holland, M.D.	Head, Immunopathogenesis Unit Study of Patients with Defective Function of The IL-12 Interferon-gamma Axis
Philip M. Murphy, M.D.	Molecular Signaling Section Study of Chemokine Receptors and their Importance in Infectious Diseases
Thomas Leto, Ph.D.	Study of NADPH Oxidase in the Production of NOS / Senior Investigator
Helene Rosenberg, M.D., Ph.D.	Senior Investigator/Eosinophil Biology Unit Study of Eosinophil Ribonucleases and their Uncertain Viral Respiratory Function
Clifton Barry, Ph.D.	Study of Drug Resistance and Development of New Therapeutics for Treatment
Sharon Jackson, M.D.	Investigator

Laboratory of Parasitic Disease:(Co-Chief, Alan Sher, M.D/Thomas Wellems, M.D.)

Robert Gwadz, M.D.	Assistant Chief International Activities Unit
Thomas Nutman, M.D.	Helminth Immunology Section
David Sacks, Ph.D.	Intracellular Parasite Biology
James Dvorak, Ph.D.	Biochemical and Biophysical Parasitology

Theodore Nash, M.D.	Gastrointestional Parasites Section
Dennis Dwyer, Ph.D.	Cell Biology Section
Louis Miller, M.D.	Malaria Cell Biology Section
Sanjay Desai, Ph.D.	Malaria Cell Biology Section
Jose Riberio, Ph.D.	Medical Entomology Section
Thomas McCutchan, Ph.D.	Regulation of Growth and Development
Xin-zhaun Su, Ph.D.	Malaria Genetics Section
Franklin Neva, Ph.D.	Opportunistic Parasitic Disease Section
Thomas Wynn, Ph.D.	Immunobiology Section

Adjunct Faculty:

Renata Engler, M.D.	Director, Allergy Service, WRAMC
Laurie Smith, M.D.	Asst. Director, Allergy Service, WRAMC
Michael Sly, M.D.	Children's National Center
Thomas Fleischer, M.D.	Chief, CC Clinical Pathology Division
Thomas Nutman, M.D.	Head, Helminth Immunology Section Laboratory of Parasitic Diseases
James Shelhamer, M.D.	Deputy Chief, CC Critical Care Medicine Department
Marshall Plaut, M.D.	Chief, Allergic Mechanisms Section Division of Allergy, Immunology and Transplantation
JoAnn Mican, M.D.	Medical Staff Physician, NIAID

BRIEF DESCRIPTIONS OF SELECTED LABORATORIES:

Anthony S. Fauci, M.D.
Chief, Laboratory of Immunoregulation

The major theme of the Laboratory of Immunoregulation is the elucidation of cellular and molecular mechanisms of the regulation of the human immune response in health and disease. A major component of these efforts are focused on the study of immunopathogenic mechanisms of human immunodeficiency virus (HIV) infection and disease progression. Particularly important aspects of this process that are under intense investigation include the role of endogenous cytokines and chemokines in regulating HIV replication; the regulation of the expression of HIV co-receptors; the elucidation of HIV envelope-mediated intracellular signaling events that are responsible for immune dysfunction; the role of a latent, inducible reservoir of HIV-infected cells in the pathogenesis of HIV disease and its implications with regard to antiretroviral therapy; and the role of HIV infection of various cells of the immune system (e.g. T cells, B cells, dendritic cells, monocyte/macrophages, and multipotent progenitor cells) in disease pathogenesis. Studies on the fundamental nature of normal B cell and T cell activation continue to be important ongoing components of the laboratory's research agenda. Clinical studies are focused on the pathogenesis and treatment of HIV infection, and also on the design and execution of rational therapeutic strategies for vasculitis syndromes, such as Wegener's Granulomatosis.

John I. Gallin, M.D.
Harry S. Malech, M.D.
Laboratory of Host Defenses

Dr. Gallin's laboratory is studying abnormalities of host defense mechanisms, particularly those defects associated with neutrophil dysfunction, including chronic granulomatous disease of childhood, leukocyte adhesion defects, neutrophil specific granule deficiency, and the hyper IgE recurrent (Job) syndrome. Particular emphasis is placed on the use of cytokines to regulate inflammation, discovery of new targets for therapy of host defense defects, and clinical studies of gene therapy and stem cell transplantation in immunodeficiency diseases.

Dean Metcalfe, M.D.
Laboratory of Allergic Diseases

In the Laboratory of Allergic Diseases efforts are directed at understanding the molecular basis of allergic diseases for the purpose of improving disease management. Basic research includes projects relating to mast cell growth, differentiation, diagnosis, and activation; signal transduction; and cytokine biology. The clinical research program includes studies on the pathogenesis of asthma, pathogenesis and treatment of eosinophilic gastroenteritis, and the etiology of systemic mast cell disorders.

Warren Strober, M.D.
Mucosal Immunity Section

The Mucosal Immunity Section is focused on the immune mechanisms unique to the lymphoid tissue associated with mucosal surfaces as well as abnormalities of the mucosal immune system that results in disease. Patients studied include those with inflammatory diseases of the bowel and patients with selected immunodeficiency diseases including IgA deficiency, hyper IgM syndrome, and common variable immunoglobulin deficiency.

Thomas B. Nutman, M.D.
Clinical Parasitology Section

This laboratory uses the parallels that exist between allergic disease and helminth infections to study the regulation of IgE and eosinophilia in humans infected with helminth parasites and relevant nonparasitic diseases. Particular emphasis is placed on cytokine/chemokine biology, molecular characterization of antigens including immediate hypersensitivity reactions, and novel strategies of vaccine development. The clinical research program includes studies filarial infections, neurocystircerosis, leishmaniasis, and hypereosinophilic syndromes.

Application to the program should be sent promptly to:

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Bethesda, MD 20892 – 1894

Telephone: (301) 496-3951

Please be certain that each of the following are sent:

1) Curriculum Vitae & bibliography
Representative publications are always welcome

2) An explicit letter detailing
    a. Your background
    b. Specific interests
    c. Plans for future career
    d. Any other relevant information

3) Transcript of grades from
    a. Undergraduate school
    b. Graduate school

4) Three letters of recommendation from preceptors able to comment about
    a. Your medical training
    b. Scholastic aptitude
    c. Research potential

5) Copy of active medical license [if you have it]

Applications will be accepted until all positions are filled. We usually complete interviews and offer positions in the late winter and early spring. Please be sure to apply promptly. It is the applicant's responsibility to have all required letters, forms, and other material sent to us. Upon receipt of a completed application, applicants will be contacted regarding interviews.

Thank you for your interest in our program.