NEW YORK BLOOD CENTER
TRANSFUSION MEDICINE FELLOWSHIP PROGRAM

» Experience at one of the largest nonprofit, community-based blood centers in the nation
» Clinical rotations at top New York academic medical centers
» Serving the diverse patient population in the New York metropolitan area

The Transfusion Medicine Fellowship Program at New York Blood Center (NYBC) is in collaboration with New York Presbyterian-Columbia University Medical Center, New York Presbyterian Weill Cornell Medical Center, North Shore-Long Island Jewish Health System, and Westchester Medical Center. Over the past 35 years, the Transfusion Medicine Fellowship Program has trained more than 100 physicians as specialists in transfusion medicine.

The one-year program is ACGME-accredited and designed to meet the needs of physicians who are interested in acquiring the competencies necessary for American Board of Pathology sub-specialty certification in Blood Banking/Transfusion Medicine. The fellows rotate at NYBC for six months and at one of the participating major medical centers for six months.

A two-year research or clinical track fellowship is offered for qualified individuals interested in pursuing an academic career in transfusion medicine as a joint venture with the Department of Pathology at New York Presbyterian-Columbia University Medical Center. As NYBC employees, fellows are entitled to a full benefits package, including professional liability insurance and expenses paid to attend a relevant national conference.

PREREQUISITES
» Active unrestricted license to practice medicine in New York State
» Board eligibility upon fellowship completion according to American Board of Pathology

NEW YORK BLOOD CENTER is one of the nation’s largest nonprofit, community-based blood centers, providing blood transfusion products and services to hospitals since 1964. NYBC currently serves more than 20 million people in New York City, Long Island, the Hudson Valley, New Jersey, and parts of Connecticut and Pennsylvania. NYBC is also home to the Lindsley F. Kimball Research Institute and the National Cord Blood Program at the Howard P. Milstein National Cord Blood Center, the world’s largest public cord blood bank. Lindsley F. Kimball Research Institute focuses on five research pillars: hematology/transfusion medicine, infectious diseases, cellular therapy, developmental biology and hematopoiesis, and epidemiology. NYBC provides medical services and programs (apheresis, perioperative autologous transfusion, transfusion, and hemophilia services) through our medical professionals along with consultative services in transfusion medicine.

FOR MORE INFORMATION CONTACT:
BETH SHAZ, MD, PROGRAM DIRECTOR
TRANSFUSION MEDICINE FELLOWSHIP
NEW YORK BLOOD CENTER
310 EAST 67TH STREET, NEW YORK, NY 10065
212.570.3175; BSHAZ@NYBLOODCENTER.ORG
EDUCATION@NYBLOODCENTER.ORG
WWW.NYBLOODCENTER.ORG

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NEW YORK BLOOD CENTER
BLOOD COLLECTION, PROCESSING AND DISTRIBUTION
- Participate in the management of donor recruitment, blood collection and processing, and product inventory operations
- Make medical decisions regarding donor eligibility
- Provide medical management of donor reactions
- Act as a consultant to area hospitals requesting advice about appropriate transfusion therapy or management of complicated transfusion problems
- Attend appropriate administration conferences and medical directors meetings and take calls
- Evaluate bleeding problems, manage requests for blood products, and give advice on component use
- Investigate transfusion reactions
- Participate in quality assurance and blood utilization programs

IMMUNOHEMATOLOGY AND BLOOD GENOMICS LABORATORY
- Understand red cell genomics testing and its application to transfusion medicine
- Assist in the evaluation of antibody identification problems
- Support in providing specialized blood products for transfusion
- Aid in the management and treatment of neonatal and fetal red cell or platelet destruction

HLA LABORATORY
- Understand the ramifications of precise matching between donor and recipient
- Attend presentations on molecular structure and function of HLA and their importance in transplantation and transfusion medicine
- Observe methodologies for serological testing and DNA-based genotyping and practice interpretation of test results
- Observe and learn about cord blood collection, processing, testing, and storage

COAGULATION AND SPECIAL HEMATOLOGY AT NEW YORK UNIVERSITY
- Attend didactic sessions on hemostatic disorders, coagulation tests, and appropriate therapy for patients with bleeding or thrombotic problems
- Observe a range of laboratory tests for evaluating hemostasis and learn to interpret the results
- Assist in the evaluation of test results and determination of appropriate treatment

CELLULAR THERAPY: CELLULAR THERAPY LABORATORY, NATIONAL CORD BLOOD PROGRAM AND NATIONAL MARROW DONOR PROGRAM
- Observe and learn about cord blood collection, processing, testing, and storage
- Develop an understanding of the clinical and laboratory aspects of cellular therapy with emphasis on autologous and allogeneic donor eligibility, donation procedure, and processing of cellular therapy products under cGTP protocols
- Evaluate hematopoietic stem cell donors and provide medical coverage and oversight for collection and processing of the products for transplantation

APHERESIS AND PERIOPERATIVE SERVICES
- Provide coverage for therapeutic apheresis services
- Understand the logistics of running mobile apheresis services
- Understand the indications for and logistics of perioperative autologous blood services

HOSPITAL SERVICES
WESTCHESTER MEDICAL CENTER
NORTH SHORE-LONG ISLAND JEWISH HEALTH SYSTEM
NEW YORK PRESBYTERIAN-COLUMBIA UNIVERSITY MEDICAL CENTER
NEW YORK PRESBYTERIAN-WELL CORNELL MEDICAL CENTER
- Participate in transfusion management and take calls
- Attend appropriate administration conferences and medical directors meetings
- Evaluate bleeding problems, manage requests for blood products, and give advice on component use
- Evaluate complex antibody work-ups and participate in determining appropriate transfusion management
- Understand relevant laboratory testing to determine appropriate transfusion management, including coagulation factor use
- Understand tissue banking
- Provide medical oversight of hemotherapy activities, including outpatient transfusions and inpatient and outpatient therapeutic apheresis procedures
- Investigate transfusion reactions
- Participate in quality assurance and blood utilization programs such as massive transfusion protocol development or TEG/ROTEM protocol development
- Attend applicable clinical rounds, conferences, and transfusion committee meetings
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