UNIVERSITY OF PENNSYLVANIA MEDICAL CENTER

Academic Transfusion Medicine Fellowship

Description: The Hospital of the University of Pennsylvania, Philadelphia, PA, is located on the campus of the University of Pennsylvania in close proximity to many research centers, all of which create a stimulating clinical and research environment. This program, supported by the Division of Transfusion Medicine and Therapeutic Pathology within the Department of Pathology & Laboratory Medicine, is designed to offer the fellow exposure to all areas of clinical transfusion medicine and to provide opportunities for investigational (basic and translational) studies and enrollment in additional degree-granting programs (e.g. Masters in Translational Research). The Blood Bank at the Hospital of the University of Pennsylvania (725-bed facility) is clinically active in both adult and neonatal transfusion practices. The activities of the Division of Transfusion Medicine and Therapeutic Pathology include a reference laboratory, compatibility testing, component preparation, histocompatibility testing, infectious diseases serology, hematopoietic stem cell processing for transplantation (peripheral blood, autologous and allogeneic bone marrow, umbilical cord blood), therapeutic hemapheresis including LDL-apheresis, therapeutic phlebotomy, intravenous medication (natural and recombinant) infusion service, an autologous and allogeneic blood donation center, and a cell and vaccine cGMP production facility. Transfusion medicine is a multidisciplinary field and as such our program offers research opportunities in molecular and structural immunology, genetics, coagulation, stem cell biology, gene therapy, cellular engineering, and microbiology. The program is approved by Accreditation Council of Graduate Medical Education and supported by an NIH T32 Training Grant for Transfusion Medicine Research. Training in pediatric transfusion medicine and exposure to a large blood center facility are part of the training program and provided through the Childrens' Hospital of Phiadelphia and American Red Cross-Penn/Jersey Division, respectively.

Requirements: Candidates must be certified, or eligible for certification, by the American Board of Pathology or other major specialty board. They must also be licensed or eligible for Pennsylvania licensure.

Staff: Nicole Aqui MD; **Carl June** MD; **Michael Kalos**; **Taku Kambayashi** MD, PhD; **Bruce Levine** PhD; **Una O'Doherty** MD, PhD; **Daniel Powell** PhD; **James Riley** PhD; **Bruce Sachais** MD, PhD; **Don L. Siegel** MD, PhD; **James Wilson** MD, PhD.

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