The Fellowship at the Hemophilia & Thrombosis Treatment Center (HTTC) at UC San Diego Health is designed to provide a year of specialized training in hemophilia and other bleeding and thrombotic disorders. Eligible candidates have successfully completed Internal Medicine Residency, and are ideally, but not necessarily, enrolled in or have completed a hematology/oncology fellowship program. The objectives of the fellowship are to provide advanced training in the diagnosis and treatment of bleeding and thrombotic disorders including hemophilia, von Willebrand disease, platelet function disorders, rare factor deficiencies, as well as venous and arterial thrombosis. The fellowship provides the opportunity to participate in and develop innovative research ideas in the area of hemostasis and thrombosis.

The HTTC conducts numerous research projects including NIH and Industry-sponsored basic research, Industry-sponsored clinical trials, and HTTC-based projects focusing on cardiovascular health, joint health and musculoskeletal ultrasound in hemophilia. HTTC-based endeavors of note include cutting edge CME accredited training courses in Musculoskeletal Ultrasound and Joint Injections, and a therapeutic rock climbing program in conjunction with the HTC in Munich, Germany. The HTTC is part of the American Thrombosis and Hemostasis Network and receives funding from the Centers for Disease Control and Prevention (CDC) to participate in the network.

HOW TO APPLY

Applicants should send CV and personal statement to Dr. Annette von Drygalski at avondrygalski@ucsd.edu

HEALTH.UCSD.EDU/HEMOPHILIA
FELLOWSHIP CURRICULUM

Hemostasis/Thrombosis Learning Objectives

CLINICAL

- Understand the comprehensive care approach to hemophilia comprising but not limited to: nursing, physical therapy, social work, home infusion, patient programs, national data collections, hemophilia treatment center networks
- Understand the complex and comprehensive management of patients with hemophilia, von Willebrand disease and other rare bleeding disorders including their management in the inpatient and outpatient settings
- Understand the management of patients with hemophilia and inhibitors in the inpatient or outpatient settings
- Understand the differences between the various clotting factor preparations, their pharmacokinetics and their use in personalized treatment plans for patients with hemophilia
- Understand hemostasis and coagulation assays and their appropriate diagnostic use. This objective will also require that you familiarize yourself with the actual laboratory test methods.
- Understand the program guidelines, financial and legal implications of appropriate 340b clotting factor investment in hemophilia care
- Incorporate point-of-care musculoskeletal ultrasound for rapid bleed detection, synovitis and other common joint abnormalities into clinical decision making and guided treatments
- Understand current knowledge regarding the pathobiology of hemophilic arthropathy, and current options for interventions, indications, risks and side effects for orthopedic procedures, synovial embolization and (radio) synovectomies
- Understand the pathophysiology, diagnosis and treatment of congenital and acquired bleeding and clotting disorders

OUTREACH

- Understand the structure and mission of patient advocacy groups, local Hemophilia Chapters and national and international organizations such as the National Hemophilia Foundation and the World Federation of Hemophilia
- Understand the educational, social and clinical needs of the bleeding disorders community
- Understand the challenges of transition of care from pediatric centers into adulthood
- Understand the importance of self-infusion, teaching venues and tools

RESEARCH

- Develop and complete a clinical or translational research project with the goal to create new knowledge and improve outcomes or treatments for patients with hemophilia and bleeding disorders
- Develop grant writing skills by submitting a mentored research award, fellowship or junior faculty award to a funding agency (optional but highly desirable)

Proposed Activities to Meet the Learning Objectives

- The curriculum will consist of ~50% clinical and outreach activities, and ~50% research activities
- Participate in 2-4 weekly half day clinics (Hemophilia, Bleeding Disorders, Thrombotic Disorders)
- Participate in outreach activities including educational seminars, patient infusion classes, teen summer camp, and the hemophilia rock climbing program (on average 1 activity/week)
- Attend the weekly Hematology/Oncology educational curriculum sessions held on Friday mornings, participate in hemostasis case discussions and present relevant cases
- Attend youth transition clinics quarterly (or whatever the right interval is) in collaboration with Rady Children’s Hospital
- Attend the annual Western United States Regional meeting
- Attend at 1-2 national meetings per year such as the Annual Meeting of the National Hemophilia Foundation (NHF), Hemophilia Thrombosis Research Society (HTRS), American Society of Hematology (ASH), American Thrombosis and hemostasis Network (ATHN), or other, as appropriate.
- Attend national hemophilia fellowship symposia (such as Center for Advanced Training in Hemophilia and Inhibitor Management (CATHIM), Tulane University)
- Participate in the conduct of pharmaceutically sponsored clinical trials
- Participate in the CREST program at UCSD to develop skills in clinical trial design, epidemiology, statistics and research reporting (optional)
- Spend protected time (50%) to develop and conduct a mentored research project in clinical or translational science
- Participate in the CME-accredited musculoskeletal ultrasound course at UCSD and integrate skills into daily practice to evaluate hemophilic joint disease