The Expansion of Out-of-Hospital Transfusions
Get Your Copy Today

Stem Cell Collection, Infusion and Transfusion Support: A Primer

Intended for trainees, this publication is focused on the adult learner. Clear/direct explanations, multiple graphic aids, and highlighted key concepts are found throughout discussions of the major topics. Also helpful is the robust list of references that will assist you not only now, but later, as your knowledge base grows.

Contents cover:
- Clinical HSCT Types
- Donor Evaluation
- Stem Cell Collection [HPC(A), HPC(M), HPC(CB)]
- Processing and Infusion
- Transfusion Support
- Engraftment
- Posttransplant Complications

PRINT  Product Code: 232230  |  Member: $55  |  Nonmember: $85
DIGITAL  Product Code: 232230DB  |  Member: $55  |  Nonmember: $85

aabb.org/store
6
The Evolution of Prehospital Transfusion Programs
Experts discuss the growth of prehospital transfusion services that benefit patients while avoiding blood wastage.

9
Expanding Access to Blood Transfusions in Hospice Care
Research shows home-based blood transfusions can improve end-of-life care for patients and families.
It’s hard to believe my term as AABB president will soon come to an end. My presidency began at a historic moment—the 75th anniversary of our Association. When I reflect on the past year, I am proud of what we have accomplished as a community and applaud our unwavering commitment to advance the field.

As you know, we witnessed a monumental change in the blood and biotherapies community earlier this year when FDA released its long-awaited and highly anticipated final guidance to reduce the risk of HIV transmission through blood transfusion, which introduced a new donor screening process that uses gender-neutral language and individual donor assessments (IDA) to determine blood donor eligibility. AABB has provided support and invaluable resources throughout the process and launched the IDA Resource Library to empower blood collection facilities with the knowledge and training necessary to achieve successful implementation. This moment marked a significant milestone and a new chapter in the blood community.

Concluding My Presidency

Leading AABB as your president has been one of the greatest achievements and honors of my professional life. As I end my term, I am grateful to my fellow Board members, my colleagues at Gulf Coast Regional Blood Center, AABB staff and, most importantly, my fellow AABB members. We have a remarkable Association, comprising thousands of dedicated and talented professionals, deeply committed to their careers, the field, and to the donors and patients they serve.

This will be my final column as AABB president. At the close of the 2023 AABB Annual Meeting in Nashville, Tenn., I will hand the president’s gavel to my successor Aaron Tobian, MD, PhD, who has been highly involved with AABB throughout his career. Prior to serving as a member of the AABB Board of Directors, he served on ten AABB committees or working groups, including as chair of the Clinical Transfusion Medicine Committee for four years.

I am confident the Association will be in good hands with Dr. Tobian at the helm, and I intend to offer him my full support as I continue my service with AABB in the role of past president. I wish him all the best as he assumes the presidency and to the Association as it begins implementing its new strategic plan. It’s been a pleasure to serve you.

Brian Gannon, BA, MBA
AABB President
Pro Line
Platelet Storage Systems

Industry-leading performance and innovation from your trusted partner

Optimized temperature performance for safe platelet storage

Quiet operation improves the work environment

Up to 90% more efficient than traditional incubators, reducing the total cost of ownership

Supports facility sustainability initiatives by decreasing carbon footprint

Learn More
helmerinc.com/pro-line
The AABB Foundation supports innovation through its early-career scientific research grants, which help to advance AABB’s mission of improving lives by making transfusion medicine and biotherapies safe, available and effective worldwide. Since its inception, the Foundation has awarded more than $11 million to early-career investigators through its Scientific Research Grants Program. The 2024 early-career grant cycle marks 41 years that the AABB Foundation has awarded research funding to early-stage investigators. The Foundation awards grants for investigator-initiated original research in all aspects of blood banking, transfusion medicine, biotherapies and patient blood management.

The 2024 AABB Foundation early-career grant cycle is now open, and applications will be accepted through December 1, 2023. Grant applications are evaluated on the basis of their scientific merit, relevance to and impact on transfusion medicine, focus and appropriateness to the scope of funding, and likelihood of yielding meaningful data. Early-stage investigators on a path toward research independence are encouraged to apply for grant funding.

Learn more about the grant application process below.

I’m Interested! What is the Selection Process?

All grant applications will be reviewed by the AABB Foundation Scientific Research Grants Review Committee (GRC). This committee meets once a year to select grant recipients. Outside reviewers may be consulted at the discretion of the committee. The AABB Foundation Board of Directors must approve the GRC’s recommendations before official awards may be made. Grants are announced in June and funds are disbursed in July.

A confidential critique review sheet of the proposed grant project that summarizes the GRC's comments is provided to all applicants. AABB and the Foundation reserve the right to list the grant recipients in publications, including the title, principal investigator and amount of funding.

Who Can Apply?

An applicant must be a doctor (MD or PhD), medical technologist, transfusion medicine or biotherapies professional. All applicants will be considered regardless of age, race, gender, national origin or religion.

The Foundation accepts early-career applicants worldwide. Early-career is defined as follows:

1. An early-career investigator is an investigator who has completed a terminal research degree or medical residency—whichever date is later—within the past 10 years of the grant application deadline and has not yet been awarded a substantial research grant (i.e., NIH R01). Of note, there is a 13-month period during which an investigator can resubmit a revised application and retain early-stage investigator status.

2. Clinical fellowship training in a medical specialty or subspecialty training in the years that follow the internship/residency period is not considered a part of the residency. Often the clinical fellowship period will consist of a mixture of clinical and research training. The time spent in research training will be considered as applicable toward the 10 years of research and research training.

3. If you have competed successfully for a substantial research grant (i.e., NIH R01) at any time in your career, you are NOT considered early-career and are, therefore ineligible for an AABB Foundation early-career Scientific Research Grant.
The AABB Foundation’s intention is to fund researchers on a path toward research independence. No candidate is eligible to receive more than one AABB Foundation early-career Scientific Research Grant in the course of their career.

**What are the Submission Criteria?**
- Applications for research into innovative and new projects are a priority.
- No particular project can be funded more than once.
- An application for the same project may be submitted twice if not already funded by the AABB Foundation.
- Awards will not be made to increase the funding available for currently funded research projects. AABB Foundation early-career grants are intended to provide “seed” funding that allows the principal investigator to enhance preliminary data. This data may then be useful in applying for larger grants.

**General Application Tips!**
- Make sure you meet the eligibility requirements and submit your application by the deadline.
- Plan ahead! Producing a strong application takes time and final selection is based, in part, on the quality of your application and accompanying material.
- Have a clear strategy. Make sure all parts of your application form an integrated whole and make sense for your objectives.
- Read and follow the instructions carefully. The instructions are your guide to creating a complete and competitive application.
- Submit information regarding available funding from other sources (fellowships, scholarships, sponsorships, etc.).

Individuals with questions on the application process are invited to contact the AABB Foundation at foundation@aabb.org.

**HALL OF FAME**

Many AABB Foundation early-career grant recipients have become leaders in their field and are recognized in the Foundation’s Hall of Fame. Below, just a few provide their thoughts on how receiving a Foundation grant helped their career.

**2021 Inductee**
Brian R. Curtis, PhD, D(ABMLI), MT(ASCP)SBB  
Senior Director, Diagnostic Hematology  
Director, Platelet & Neutrophil Immunology Lab  
Senior Investigator, Blood Research Institute  
Versiti, Wisconsin

“The AABB Foundation funding helped finance my early research studies that led to publications, name recognition in the field, and a cascade of career advancing opportunities.”

**2019 Inductee**
Stella T. Chou, MD  
Chief, Division of Transfusion Medicine  
The Children’s Hospital of Philadelphia  
Associate Professor, Pediatrics  
Perelman School of Medicine at the University of Pennsylvania

“I feel tremendous gratitude for the AABB Foundation grant which provided critical support during my early career in transfusion medicine which was essential for establishing my research laboratory and translational program to improve transfusion therapy for patients with sickle cell disease.”

**2016 Inductee**
Karina Yazdanbakhsh, PhD  
Executive Director of Research  
Lindsley F. Kimball Research Institute  
New York Blood Center

“The AABB Foundation grant support allowed me to pursue a new exciting research direction in transfusion medicine and to secure my first R01 and American Heart Association grants. I am forever grateful to the AABB Foundation for providing me with the crucial support to jumpstart my career in transfusion medicine.”