

**View Scientific Committee Mandates Rosters For Expertise that Might Be Needed on the Committee in the Future**

<https://www.hematology.org/about/governance/scientific-committees>

<b>Scientific Committee</b>	<b>Expertise Needed in 2025 (In Rank Order)</b>
Scientific Committee on Blood Disorders in Childhood	Clinical and translational sickle cell work Transplant Heme malignancies, and Coagulation
Scientific Committee on Bone Marrow Failure	Inherited clonal hematopoiesis Telomere biology disorders Acquired Severe Aplastic Anemia
Scientific Committee on Epigenetics and Genomics	RNA biology (splicing, non-coding RNA, RNA modifications) Phase separation in biology Proteomics Lymphoid epigenetics
Scientific Committee on Hematopathology and Clinical Laboratory	Application of Artificial Intelligence Machine Learning for Hematopathology and Lab Medicine Rapid Genomic Analyses Technologies for HP and Lab Medicine
Scientific Committee on Hematopoiesis	Memory program in hematopoietic stem cells Mechanobiology of hematopoietic stem cells Immune cells as bone marrow niche supporting proper lineage specifications of HSPCs
Scientific Committee on Hemostasis	Genetic and/or acquired bleeding disorders ideally with gene therapy expertise. Thrombotic and/or hemorrhagic mechanisms and risk factors ideally with expertise in genomics (whole genome sequencing/GWAS) Animal models of hemostasis Hemostatic proteins – immune response interactions Computational biomodelling
Scientific Committee on Immunology and Host Defense	Ontogeny, regulation, and molecular aspects of other immune cells (including dendritic cells, neutrophils, monocytes, macrophages, B cells, eosinophils, basophils, MDSCs). CAR T cell mediated toxicity Bispecifics mediated toxicity
Scientific Committee on Iron and Heme	Iron metabolism expertise (specifically looking for someone from Pharma) Heme and hemolysis; Expertise on iron and malignant hematology/MDS/AML; Rare inherited erythroid diseases
Scientific Committee on Lymphoid Neoplasia	Germline predisposition / lymphomagenesis T-cell lymphomas CLL Epidemiology / disparities Big data management Spatial omics / imaging
Scientific Committee on Myeloid Biology	Myeloid immunologists Monocyte expertise Expertise in macrophage lineage tracing
Scientific Committee on Myeloid Neoplasia	In need of more international members*** Epigenetics in AML MPNs Multi-omics of AML Induced pluripotent stem cell models of AML Pediatric AML

Scientific Committee on Plasma Cell Neoplasia	<b>Role of metabolism and microbiome in Myeloma Extramedullary disease</b>
Scientific Committee on Megakaryocytes and Platelets	<b>Novel mechanisms regulating platelet activation and adhesive function. This topic can be connected to any diseases.</b>
Scientific Committee on Red Cell Biology	<b>Infectious diseases that affect erythropoiesis Defects in erythropoiesis in myeloid neoplasms</b>
Scientific Committee on Stem Cells and Regenerative Medicine	<b>Human hematopoiesis Pluripotent Stem Cell (PSC) differentiation PSC disease models for blood diseases</b>
Scientific Committee on Thrombosis and Vascular Biology	<b>"Omics"/ single cell approaches in vascular biology/thrombosis</b>
Scientific Committee on Transfusion Medicine	<b>Transfusion platelet immunology Pediatric transfusion medicine</b>
Scientific Committee on Transplantation Biology and Cellular Therapies	<b>CAR T expertise</b>