TCT
TRANSPLANTATION & CELLULAR THERAPY MEETINGS of ASTCT and CIBMTR

2020 Transplantation & Cellular Therapy Meetings of ASTCT & CIBMTR Scientific Program:

Recommended Plenary and Concurrent Sessions

February 19-23, 2020 | Orlando, FL

LABORATORY TECHNICIANS

Session Type and Date	Session Title and Description
Concurrent 1 (Wed 2/19)	**Essential Immunology: Back to the Basics** The session will cover clinically relevant aspects of basic immunology with a specific focus on T cells, antigen presenting cells and tissues. It will serve as a primer for all clinicians while also providing a window into some of the exciting, potentially translational relevance of the recent advances in basic immunology.
Concurrent 4 (Thurs 2/20)	**Mechanisms of Relapse after Transplantation** Thanks to the development of less toxic conditioning regimens, better supportive care and more effective anti-infectious drugs the treatment-related mortality of hematopoietic cell transplantation is constantly improving. Conversely, the incidence and ultimate outcome of post-transplantation relapses have not changed in a significant matter over the last decades, warranting more in-depth studies on why malignant cells reemerge after apparent eradication. In the present session, the latest advances in understanding the mechanisms that drive relapse after transplantation will be presented, with a specific focus on immune evasion and how it can be therapeutically circumvented.
Concurrent 8 (Sat 2/22)	**Advances in Microbiome on Transplant and Cellular Therapy Outcomes** Microbial communities in the body can have a profound impact on outcomes after transplant and immunotherapy. Speaker in this session will describe changes in gut microbial communities after hematopoietic cell transplantation and how these are linked to graft-versus-host disease, with an exploration of potential mechanisms involved in pathogenesis and a discussion of strategies to retain beneficial microbes in patients undergoing transplantation. We will also explore the connections between the microbiome and the immune response in patients with cancer, and how this is relevant in transplantation and cancer therapy including immunotherapy. Finally, we will describe strategies for altering the microbiota of patients undergoing cancer therapy with the goal of improving anti-tumor responses, reducing infections, and modulating immunity. The safety and efficacy of fecal microbiota transplantation in immunocompromised patients will be described, and the potential of newly emerging microbial therapeutics will be highlighted.
Plenary 6 (Sun 2/23)	**ASTCT/CIBMTR/EBMT Joint Session: Bridging the gap in BMT and cellular therapy between North America and Europe** This joint session organized by the ASTCT, the CIBMTR and the EBMT will review areas of strength and successful collaborations in blood and marrow transplantation and cellular therapy between North America and Europe, and will lay the foundation for future collaborative work in this area. First topic in this session will highlight differences and similarities in transplantation practices in the two geographical areas, describe their rationale and impact on patient outcomes, and identify areas where best practices could potentially be translated across countries and continents. A second topic will review the current landscape and penetration of CAR-T cell therapies in North America and Europe and will discuss challenges faced in the areas of clinical trials, commercial implementation and regulatory issues. This topic will also include discussion of successful practices and policies that countries in the process of starting CAR-T cell therapies can consider, including their economic aspects and costs. The last speaker in this session will highlight areas of successful collaboration in registry research and clinical trials between North America and Europe in blood and marrow transplantation and cellular therapy. This topic will also include discussion of opportunities for enhancing collaborative research in this area between the two continents.