Bruce Blazar – Transplantation Immunology, GVHD, Graft-versus-Leukemia, Gene Therapy, Regulatory T Cells

Technology #blazar

Dr. Bruce Blazar is a Professor of Pediatrics in the Division of Blood and Marrow Transplantation and serves as Chair of the National Institutes of Health Cancer Immunopathology and Immunotherapy Study Section and as a member of several national committees. He has been recognized for his pioneering work in the development of novel immune-based therapies.

Dr. Blazar’s research involves the immunobiology of transplantation and is focused in five areas:

- **Graft-versus-host Disease**: Studies are directed toward identifying and modifying signals that drive or inhibit acute and chronic GVHD generation.
- **Regulatory T Cells**: Approaches have been developed to propagate and expand CD4+25+ T regulatory cells that can suppress alloresponses and GVHD.
- **Immune Post-transplant**: Developing approaches to protect the thymic epithelial cells (TEC) against injury.
- **Graft-versus-leukemia**
- **Gene therapy/repair**: Using molecular strategies to correct congenital disorders as an alternative to transplantation.

Technologies available for licensing:
- Immune Reconstitution Acceleration
- DNA Repair Using CRISPR/Cas9 System

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Learn more about Dr. Blazar and his research:
Department of Pediatrics Faculty Page
Microbiology Immunology and Cancer Biology Program Faculty Page

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