

RAINER STORB, MD

Member and Head of Transplantation Biology Program

Clinical Research Division

Professor of Medicine, Oncology

University of Washington

Education:

University of Munich, 1957, Physikum

University of Freiburg, 1960, State Medical Examination

University of Freiburg, 1960, MD

Research Focus:

Transplantation biology; basic and translational research into the biology of allogeneic blood and marrow hematopoietic cell transplantation (HCT)

- Developing radically different approaches for HCT that have minimal toxicity, do not ablate the marrow, and thus are safe enough to administer in the ambulatory care setting.
- Extending treatment with HCT from related and unrelated donors to include elderly and medically infirm patients with advanced hematologic malignancies and eradicating underlying disease with immunologic graft-vs-tumor effects.
- Applying minimal-intensity conditioning regimens to treat patients with serious non-malignant blood disorders, such as aplastic anemia, hemoglobinopathies and immune deficiency diseases, by allogeneic HCT.
- Develop novel methods for preventing acute GVHD and treating chronic GVHD in animal models based on mechanistic studies.
- Investigating graft-host tolerance by establishing transient mixed hematopoietic chimerism as a prelude for acceptance of solid organ transplants.

Clinical Expertise:

- Allogeneic HCT for patients with advanced malignant and non-malignant blood disorders
- Prevention of graft-vs-host disease

