The Immune Precision in Solid Organ Transplantation (Imprec) has an active study in the Central Biorepository, a unit of the UMMS Office of Research that facilitates discovery and improves healthcare outcomes by providing high-quality, highly annotated biospecimens donated for basic, clinical and translational research.

The unit receives biospecimens and data from U-M contributors and collaborators across a spectrum of medical research. Samples from Michigan Medicine patients are securely linked to MiChart data through the Research Data Warehouse.

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ACCESS
The Central Biorepository enables access to Immune Precision in Solid Organ Transplantation (Imprec) from Michigan Medicine patients and offers secure linkage to laboratory and clinical data offered by the Data Office.

Get started:
- Search the Solid Organ Transplantation cohort on the self-serve tool, DataDirect.
- Complete and submit a CBR Use Proposal Form available on research.med.umich.edu/biorepository and send to CBR.requests@umich.edu.
- With IRB and oversight committee approval, datasets can be downloaded.

The Central Biorepository is an enterprise-wide resource, serving all members of the University of Michigan community, and operates as a recharge unit. Services are subsidized by the UMMS Office of Research.

LEARN MORE ABOUT THE CENTRAL BIOREPOSITORY
research.med.umich.edu/biorepository

The goal of IMPREC is to identify novel risk stratifying instruments so that we can personalize immune suppression for solid organ transplant recipients. Currently, we use a “one size fits all” approach for immune suppression for recipients of solid organ transplants, which leads to over immune suppression (with increased risk of cancer and infections) or under immune suppression, with the increased risk of organ rejection. (Immune suppression is required to prevent rejection of transplanted organs). Identification of novel risk stratifiers will minimize the risk of generalized immune suppression and increase the efficacy of solid organ transplantation.

LEARN MORE ABOUT THE IMMUNE PRECISION IN SOLID ORGAN TRANSPLANTATION (IMPREC)
contact Sherri Wood at sychan@umich.edu or (734)936-1173

*Access requests are subject to the approval of the program-specific Oversight Committee, as well as the appropriate regulations and IRB approvals. Whenever possible, the Central Biorepository and the Data Office deliver a final coded dataset without any direct identifiers.

While daunting to many, the ImPrec team fully embraces patient differences all the way down to the single-cell level. This unique approach is enabled for large cohorts by CBR and will reveal unprecedented rich molecular and cellular information to accelerate biomedical innovation for improved patient care.

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Associate Chair for Undergraduate Education in Chemical Engineering