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Costas T. Lambrew Research Retreat 2021

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2021

The MMC BioBank is a Resource that Supports Biomedical Research

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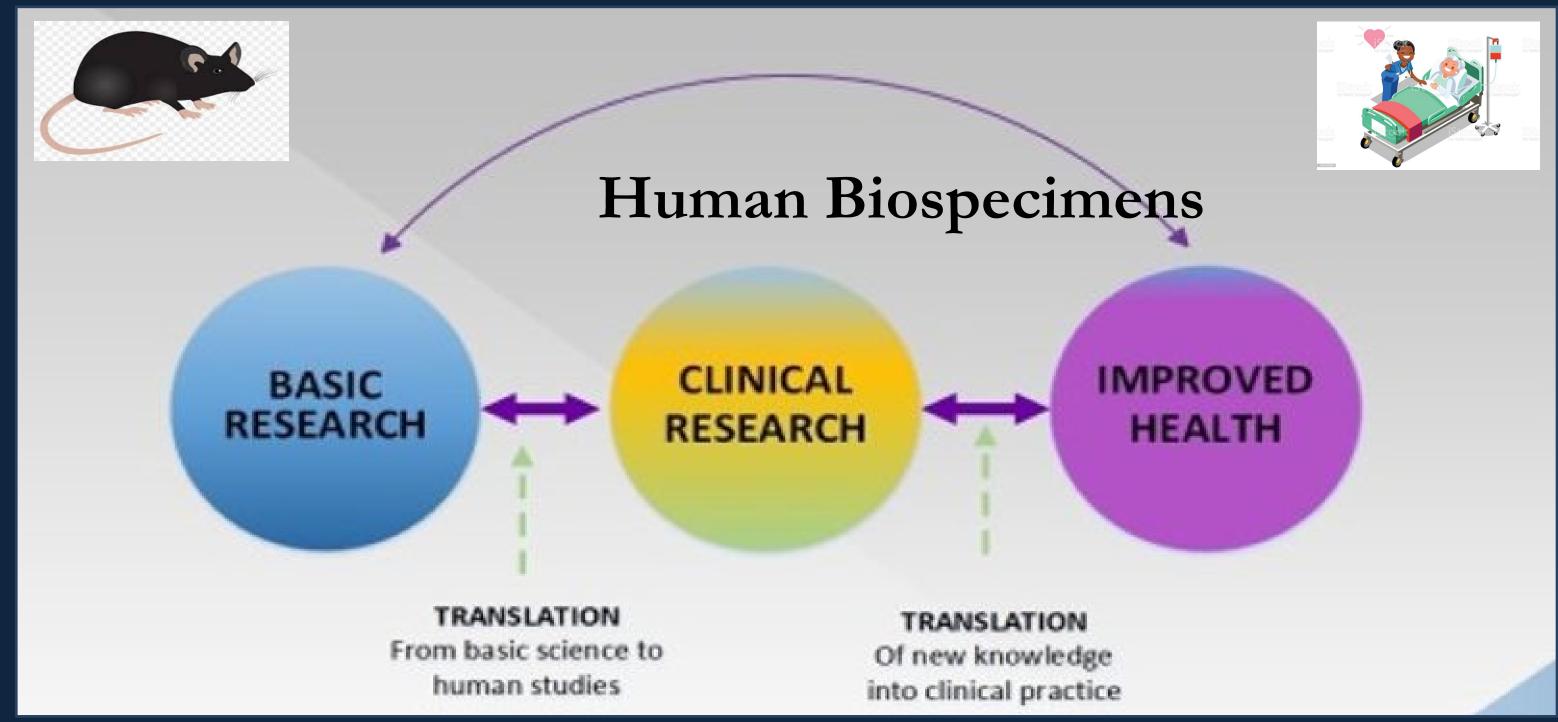
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ydney Robinson, Howard Feller, Susan Nester, Elizabeth Hamir, Heidi Ingersoll, Anthony Sellner, Trevo orgensen, and Mike Jones						

The MMC BioBank is a Resource that Supports Biomedical Research

Anne C. Breggia, Sue LaPierre, Christopher Keister, Dawn Charnetzky, Hannah Brown, Joseph Nano, Sydney Robinson, Howard Feller, Susan Nester, Elizabeth Hamir, Heidi Ingersoll, Anthony Sellner, Trevor Jorgensen, Mike Jones

Mission: To provide normal and diseased annotated human biospecimens to the research community that supports discoveries leading to improved patient therapies and advances in personalized medicine



Established in 2002

IRB Protocol #2526

CAP Accredited since 2014

ISBER member since 2013

NCI Best Practices

Inventory (Progeny): 100,000

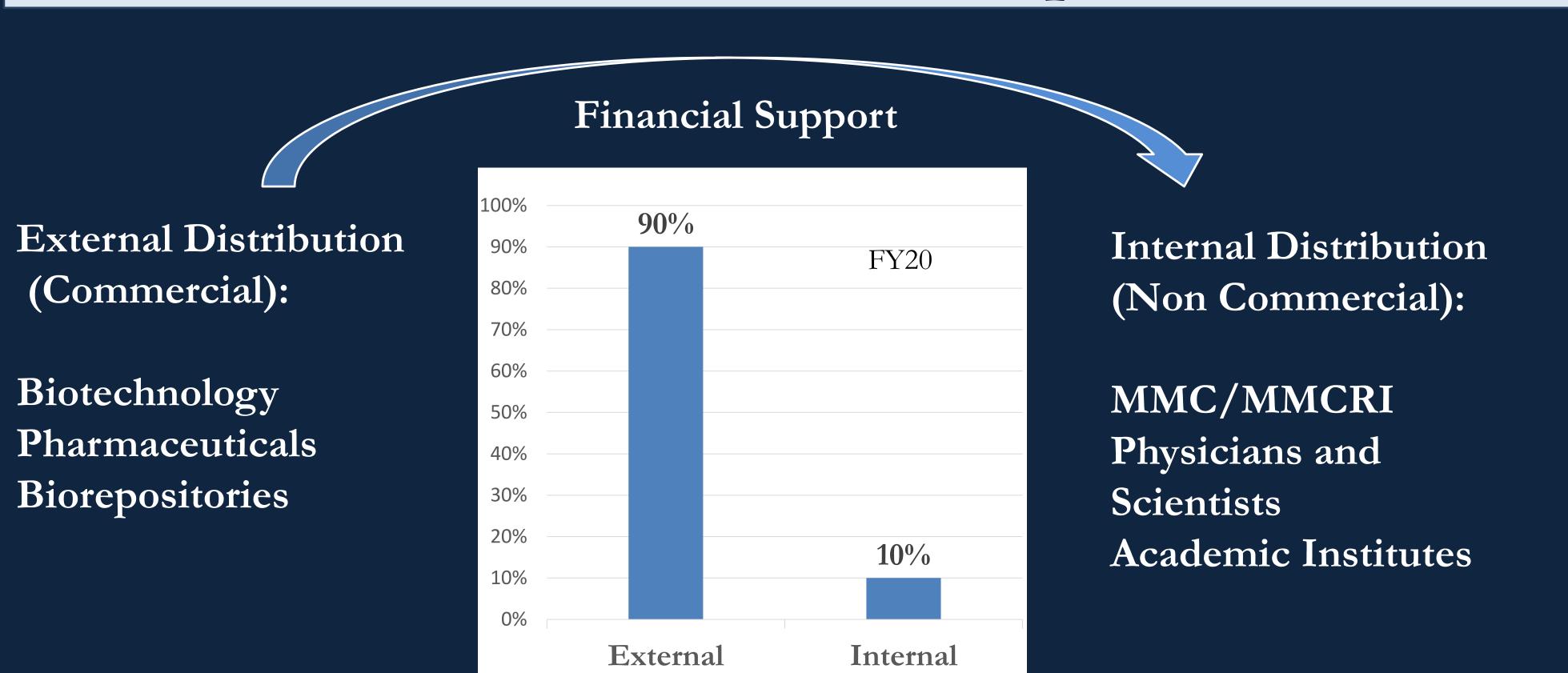
Distribution: 3,500/year

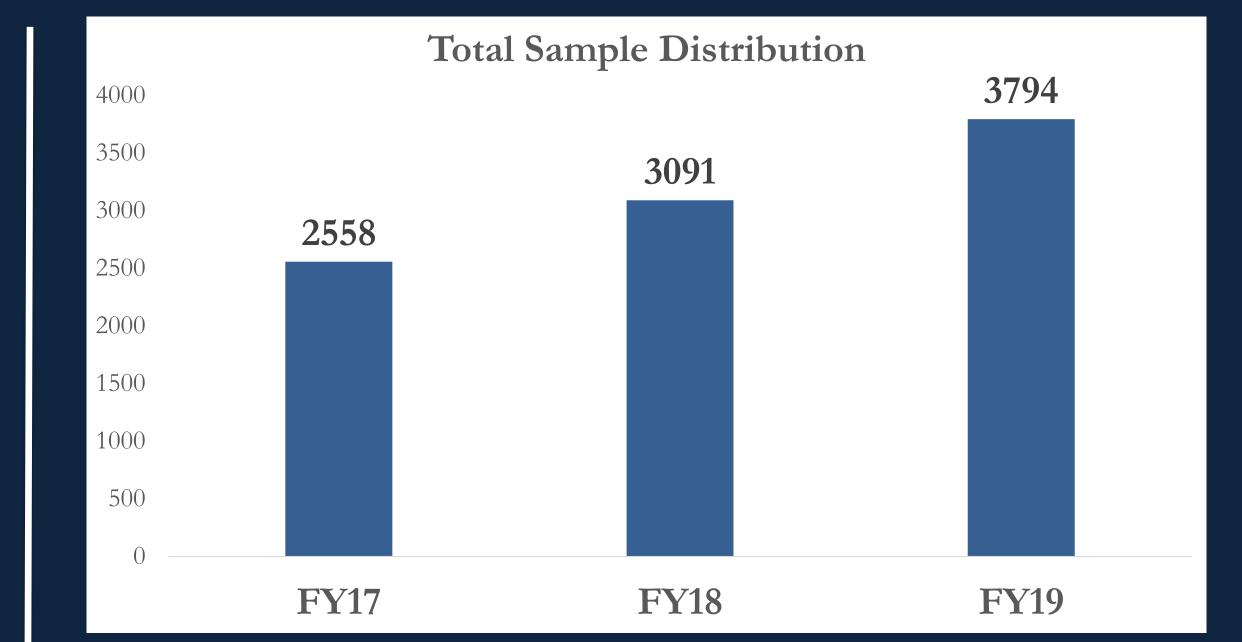
Tissue: Fresh, FFPE, Frozen

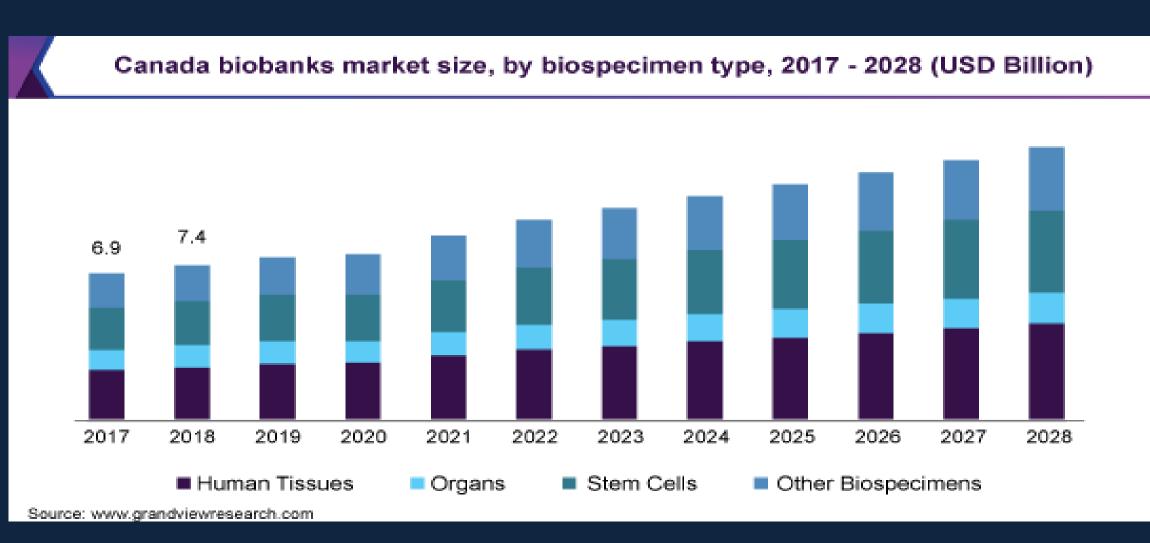
& Blood, and Bone Marrow

NIH/NCORP Cancer Moonshot Biobank

Patient Informed Consent — Biospecimen Collection — Processing — Pathology Review — Storage/Distribution

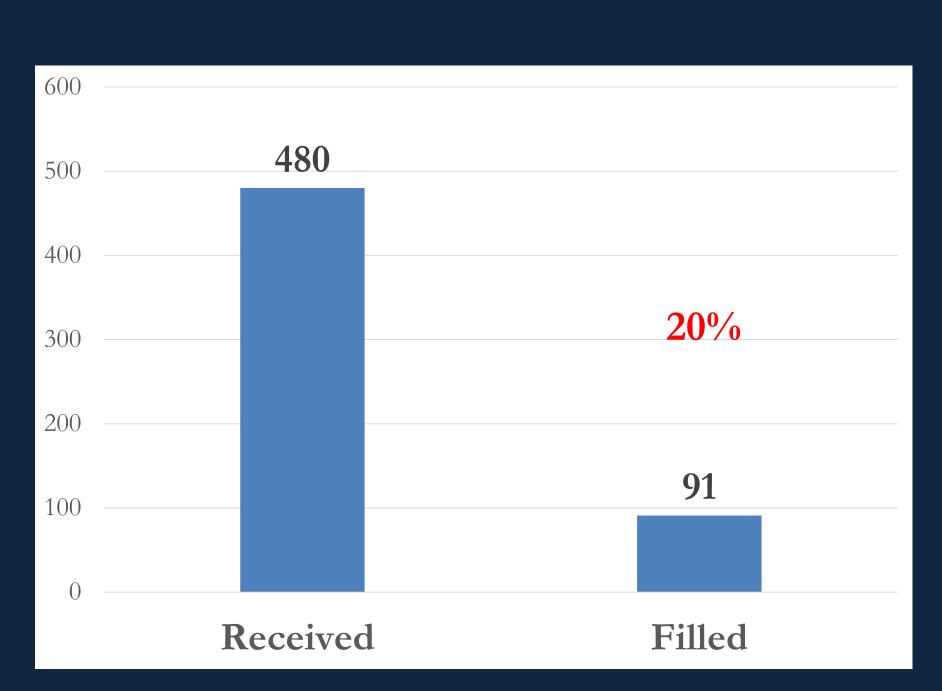


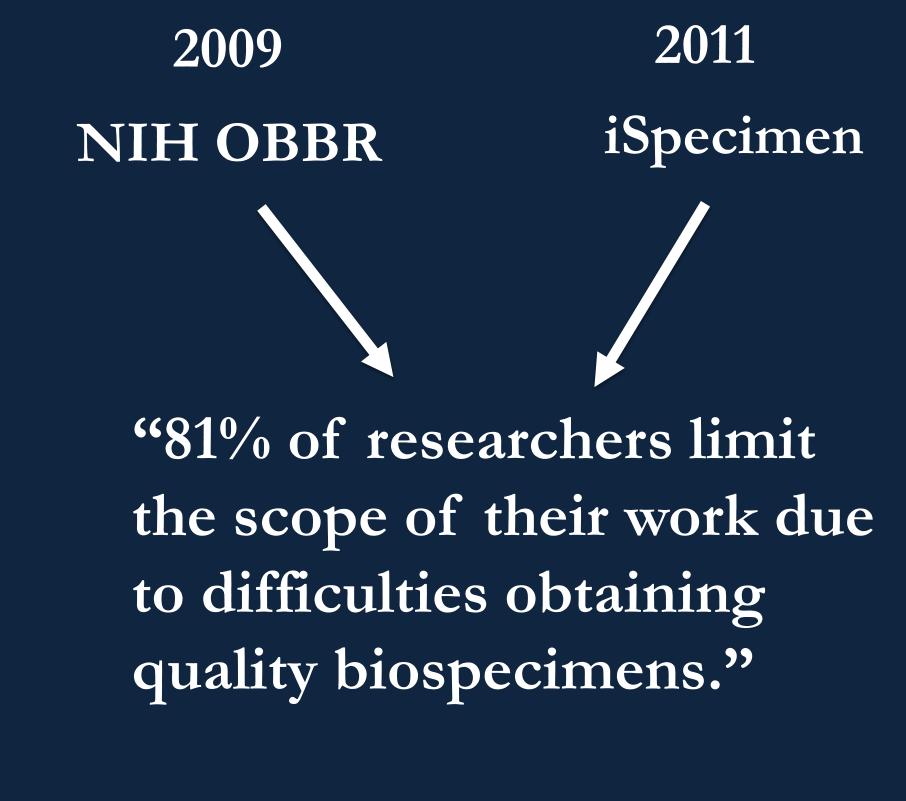




One of the key factors driving the growth is the growing collaborations between biobanks and endusers.

FY21 External Biospecimen Requests





MMC BioBank & NorDx Collaborations

R&D: Novel Assay for SARS-CoV-2 detection utilizing CRISP-Cas-9 technology;

Collaboration with Sherlock Biosciences (Broad Institute, Cambridge, MA)

Investigator Initiated Research Studies:

Bob Carlson, MD and Anne Breggia, PhD (co-investigators)

STUDY TITLE: A Period Seroprevalence (SARS-CoV-2) Survey in MHCCN Cancer Healthcare Workers; Scot. Remick, M.D., Principal Investigator

STUDY TITLE: Cardio Surveillance of MHCCN Cancer Patients Undergoing Immune Checkpoint Blockade; Sunjeev. Francis, M.D., Principal Investigator

STUDY TITLE: Non-Invasive Antibody Test for COVID-19, NIT-COVID; Douglas Sawyer, M.D. Ph.D., Principal Investigator

NorDx: Remnant Sample Program

Blood, urine and body fluid samples collected by NorDx are transferred to the BioBank after all diagnostic testing has been completed and the required 7 day CAP embargo has been met

Samples are annotated with clinical data from the EMR (EPIC)

Samples and data are deidentified prior to distribution

Link between PHI and the BioBank code number is destroyed in the BioBank Progeny database following sample and data distribution (additional data cannot be collected).

Distribution July 2019--April 2021:

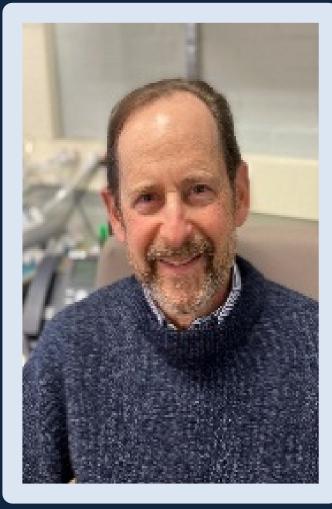
395 serum samples

4,300 mid turbinate swabs

Acknowledgements











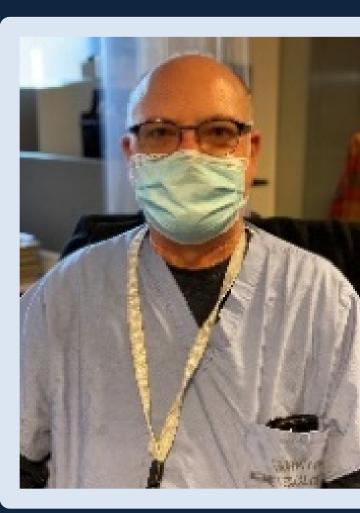














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THANK-YOU!!

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Office of Research Ethics and Compliance

MMC Dept. Of Surgery

MMC Dept. of Pathology Mike Jones, MD, Pathologist

Clinical Trials Office



