

MITOCHONDRIAL FUNCTION AND IN VIVO IMAGING CORE VOUCHER ANNOUNCEMENT

APPLICATION
DEADLINES:
NOVEMBER 28, 2025
FEBRUARY 6, 2026

EXPLORE SPECIALIZED SERVICES WITH OUR CORE

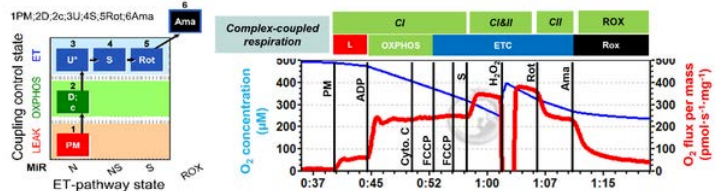
SERVICES CHOOSE ONE FOR VOUCHER APPLICATION

High-Resolution O₂k-FluoRespirometers (Oroboros)

- voucher covers 75% of requested amount for new users, 50% for returning users

- Allows the measurement of respiration at controlled oxygen levels with unique signal stability and high resolution
- Real-time monitoring of oxygen consumption in samples including:
 - Isolated mitochondria
 - Permeabilized tissues (e.g., muscle fibers)
 - Permeabilized cells
 - Living cells
 - Tissue Slices
- Substrate-Uncoupler-Inhibitor Titration (SUIT) Protocol

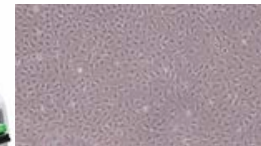
OROBOROS



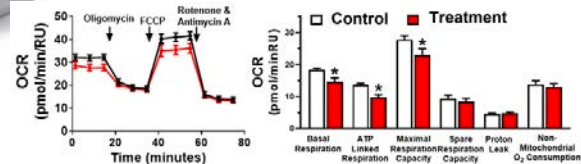
SEAHORSE XF PRO ANALYZER



2-D CULTURE



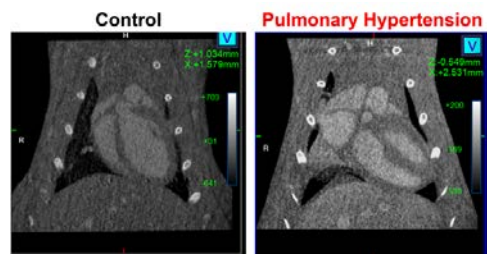
3-D CULTURE



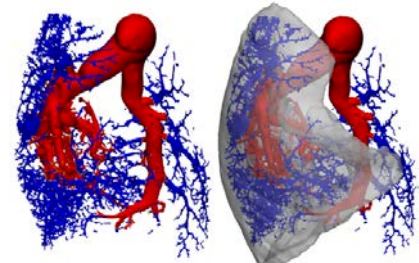
Seahorse XF Pro Analyzer - voucher covers 75% of requested amount for new users, 50% for returning users

- Measures real time oxygen consumption rate and extracellular acidification rate
- Measurements provide a systems-level view of cellular metabolic function
- **96-well plate format** accommodates many conditions in a single run, flexible assay design, dose-response studies, and screening
- Traditional **2D** and **3D** spheroids now available

MICRO-CT



3D RECONSTRUCTION OF PULMONARY ARTERIAL VASCULATURE



Micro-CT - voucher covers 75% of requested amount

- Micro-CT heart images for cardiac function assessment
- Micro-CT Lung Images for Computational Simulations
- Focus: Heart and Lung

REACH OUT TO VALERIA_ZARATE@BROWN.EDU FOR CONSULT BEFORE APPLYING*
[HTTPS://CPVB.ORG/SERVICE-CORES/VOUCHER-APPLICATION/](https://cpvb.org/service-cores/voucher-application/)