MU Nutritional Center for Health

‘MUNCH’

is a state-of-the-art facility (containing 1840 sq ft) that facilitates a broad range of nutrition research & lifestyle interventions to examine the impact of various foods & diets on human health.
Metabolic Kitchen

- Ability to manipulate any dietary component
- Precise preparation of single meals to full diets
- Acute and long-term storage available for over 100 people
- Open dining hours throughout the day & evening
- Seating for up to 24 people
- Ability to unobtrusively monitor social eating
- Ability to perform cooking demonstrations for teaching, extension, and lifestyle interventions
‘MU-PAW’

is a state-of-the-art designated (human) clinical research facility (containing 2250 sq ft) for the assessment of (semi)-invasive physiological & behavioral health-related outcomes.
- 4 testing rooms well-equipped to perform repeated blood sampling, including OGTTs & Mixed-meal TTs
- All rooms include recliners, wifi access, & laptops, making them ideal for long (16 h) testing days
Clinical Testing Rooms-cont.

1 room equipped to perform cardiovascular measures of:
- vascular endothelial function (Doppler ultrasound)
- arterial stiffness (pulse wave velocity)
- limb blood flow at rest and during exercise
- 24h ambulatory BP under free-living conditions
1 room equipped with a DXA machine (Hologic) & BOD-POD to assess whole body & regional bone density &/or body composition
- Private phlebotomy room for single stick blood draws & catheter insertions
- Private, quiet room for cognitive function &/or other computerized assessments
1 room equipped with 2 metabolic carts & EKG machine to assess fitness, resting state energy expenditure, & substrate oxidation/utilization
- Research coordinator office (to assist with scheduling)
- Waiting area for research participants
- Private consenting room with copier & temporary filing (of consents, etc.)
Research Support Rooms

- Storage room for human clinical testing supplies
- Blood processing room with 2 refrigerated centrifuges, biosafety cabinet, -80 freezer, & an ice machine
- Temporary desk space for graduate students & technicians during the testing days
The wetlab is 3400 sq ft & has adjoining animal & human wings containing pieces of equipment such as:
multiplex (multi-analyte) analyzers (Magpix, Immulite), Western blot imager, real-time PCR system, microscopes, mouse doppler, wire-myograph, cell culture incubator, low temp freezers, & refrigerated centrifuges
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NEP Faculty that use MUNCH&MU-PAW

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