### Integrated Physiology of Aging Core Services

**Core Services**

#### Balance, coordination, neuromuscular function
- Rotarod (3 sessions) Mo $25
- Rotarod (5 sessions) Mo $50
- Gait: Treadscan Mo $5
- Grip Strength Mo $10
- Upper/Lower Limb Strength Mo Consult

#### Endocrine/Metabolic Function, Activity, and Body Composition
- Endurance during exercise (Treadmill) Mo, R $15
- Respirometry Mo, NMR, Mar $35
- Glucose Tolerance Mo, R, NMR, Mar $15
- Insulin Tolerance Mo, R, NMR, Mar $15
- β-cell function (hyperglycemic clamp) Mo, R $300
- Insulin Sensitivity (euglycemic clamp) Mo, R $300
- Circulating lipids Mo, R, NMR, Mar $10
- 48 hr Activity Mo, R $20
- Body Composition by QMR Mo, R, NMR $15
- DEXA for bone density and regional fat mass Mo, R, NMR $15

#### Cardiac Function
- Echocardiography Mo, R, NMR $100

#### Brain Function (Cognitive/Emotive Function)
- Passive Avoidance Mo $40
- Contextual Fear Conditioning Mo $20
- Spatial Novelty Mo $20
- Novel Object Recognition Mo $20
- Morris Water Maze Mo, R $30
- Y-Maze Mo, R $20
- Open Field Mo $20
- Elevated Plus Maze Mo $20
- Sucrose Preference Test Mo, R $20
- Tail Suspension Test Mo $20
- Cantab Test Mar Consult

#### Nerve and Muscle Health
- Nerve Conduction Velocity, nerve stimulation Mo, R, NMR $70
- Electromyography (EMG) Mo, R, NMR $70
- Tail Flick Mo, R $30
- Contractile Force Mo, R $70

#### Mitochondrial Function
- High-resolution Respirometry Most tissues Consult
- Mitochondrial function by Seahorse Most tissues Consult
- Luminiscent assays on isolated mitochondria Most tissues Consult

#### Primary and Organotypic Culture, Tissue Sample Preparation
- Tissue sample preparation Most tissues Consult
- Primary cell and organotypic culture Brain, Muscle Consult

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**Note:** Prices are per animal and for mice (Mo), rats (R).
**Consult Core personnel for studies with Naked Mole-Rats (NMR), or Marmosets (Mar).**

Fees listed include supplies costs but do not include LAR costs, which are billed separately by LAR. All studies above are available in mice. Please consult with Core personnel for more information.

# One hour increments are charged for data collection, processing, and management.

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<tr>
<th>Data Collection and Processing per Hour</th>
<th>$30</th>
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