Metabolic Phenotyping Core

Department of Medicine

Rutgers-Robert Wood Johnson Medical School

Scientific Director: Christoph Buettner, M.D., Ph.D.

Executive Director: Hyok Joon Kwon, Ph.D.

**Service Request Form**

Note: Metabolic Phenotyping Core users should arrange for the transfer of their mice to the Metabolic Phenotyping Core. Metabolic Phenotyping Core users will be billed for per diem costs. Please contact the Executive Director, Hyok Joon Kwon, at hyokjoon.kwon@rutgers.edu. Kindly acknowledge the services of the Metabolic Phenotyping Core in all publications and presentations. **Cancellations without 48 hour notice will result in full charges.**

|  |  |
| --- | --- |
| PI/Dept: | Requester: |
| Date: | Account Number: |
| Email: | Phone: |
| Strain of mice/Age: | Diet: |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Select | Assay | No. of Samples | Unit Price | Total | Comment |

Glucose Metabolism

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Glucose tolerance test (intraperitoneal) |  |  |  |  |
|  | Insulin tolerance test (intraperitoneal) |  |  |  |  |
|  | Pyruvate tolerance test (intraperitoneal) |  |  |  |  |

Body Composition

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | EchoMRI (Fat mass, lean mass, body water, un-anesthetized) |  |  |  |  |

Indirect Calorimetry

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Comprehensive Laboratory Animal Monitoring System (Columbus Instrument) |  |  |  |  |
|  | Environmental Calorimetry (TSE Systems, 4°C to 30°C) |  |  |  |  |
|  | Indirect calorimetry analysis |  |  |  |  |

Hyperinsulinemic-euglycemic clamp

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Hyperinsulinemic-euglycemic clamp |  |  |  |  |
|  | Hyperinsulinemic-euglycemic clamp analysis (LC/MS and data analysis) |  |  |  |  |

Stable isotope tracer infusion

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Jugular vein catheter implantation |  |  |  |  |
|  | Infusion of stable-isotope tracers and serum preparation for metabolomics |  |  |  |  |

Others

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Contact

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