



Who are we?

The Schoeller stable isotope lab specializes in the measurement of human body composition and the use of doubly labeled water (DLW) to determine total energy expenditure (TEE) in free living human and animal models.

Dr. Dale Schoeller is Professor Emeritus from the Department of Nutritional Sciences with over 30 years of research experience in body composition, energy balance, and metabolism.

What we do?

As a lab we employ Isotope Ratio Mass Spectrometry (IRMS) for the analysis of biological samples to determine energy expenditure, body composition as well as substrate utilization. This type of work has aided in the establishment of dietary requirements for energy intake in humans as well as testing the validity of dietary and physical activity survey instruments and the newly developed activity monitors.

Practicum Experience

Students will learn the principals of the DLW technique and gain hands on experience on the mass spectrometers in performing analysis.

Students will be able to join one of several research teams engaged in nutrition and physical studies and to contribute to the our energy metabolism and body composition data base.

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