Biochemistry and Molecular Exercise Physiology Laboratory

If you are interested in muscle physiology, this is the place for you! We are dedicated to studying acute responses and chronic adaptations of human skeletal muscle.

Tissue samples are obtained via muscle biopsies, and then analyzed with sophisticated equipment and measurement techniques.

Current Research Projects

- Estimation of Muscle Composition via Fatigue
- Limb Dominance and Muscle Fiber Type in Males and Females
- Blood Flow Restriction
- Profile of Monozygous Twins at Midlife
- Physiological Profile of Elite Mixed Martial Artists
- Fiber Type Specific Changes in Nuclei Following Hypertrophy and Disuse

Just some of what we can do...
- Single muscle fiber "type" and densitometry
- Protein quantification
- Fiber diameter
- Fiber-type specific nuclear domain and location

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