Syllabus Mapping:

Principles of Human Physiology

Skin

JoVE Journal: Neuroscience

• Flat Mount Imaging of Mouse Skin and Its Application to the Analysis of Hair Follicle Patterning and Sensory Axon Morphology

Nervous System

JoVE Core Chapter 18: Nervous System

• CH 18 Nervous System

JoVE Science Education: Advanced Biology — Neuroscience

• An Introduction to Neurophysiology
• An Introduction to Cellular and Molecular Neuroscience

Nervous System

JoVE Core Chapter 18: Nervous System

• 18.2 The Parasympathetic Nervous System
• 18.3 The Sympathetic Nervous System

JoVE Journal: Medicine

• Method to Measure Tone of Axial and Proximal Muscle
• 3D Ultrasound Imaging: Fast and Cost-effective Morphometry of Musculoskeletal Tissue
• In Vivo Canine Muscle Function Assay

Cardiovascular System

JoVE Science Education: Clinical Skills — Physical Examinations I

• Cardiac Exam III: Abnormal Heart Sounds

JoVE Core Chapter 18: Nervous System

• 18.4 The Blood-brain Barrier
JoVE Journal: Biology

- Rodent Working Heart Model for the Study of Myocardial Performance and Oxygen Consumption
- Monitoring Heart Function in Larval Drosophila melanogaster for Physiological Studies

Blood

JoVE Science Education: Basic Biology — Lab Animal Research

- Blood Withdrawal Ⅰ\n
JoVE Science Education: Basic Biology — Basic Methods in Cellular & Molecular Biology

- Using a Hemacytometer to Count Cells

Lymphatics

JoVE Journal: Immunology and Infection

- Measurement of Cytosolic Ca²⁺ in Isolated Contractile Lymphatics

Cellular Immunity

JoVE Journal: Cancer Research

- Real Time Detection of In Vitro Tumor Cell Apoptosis Induced by CD8⁺ T Cells to Study Immune Suppressive Functions of Tumor-infiltrating Myeloid Cells

Respiratory System

JoVE Journal: Medicine

- Remote Laboratory Management: Respiratory Virus Diagnostics