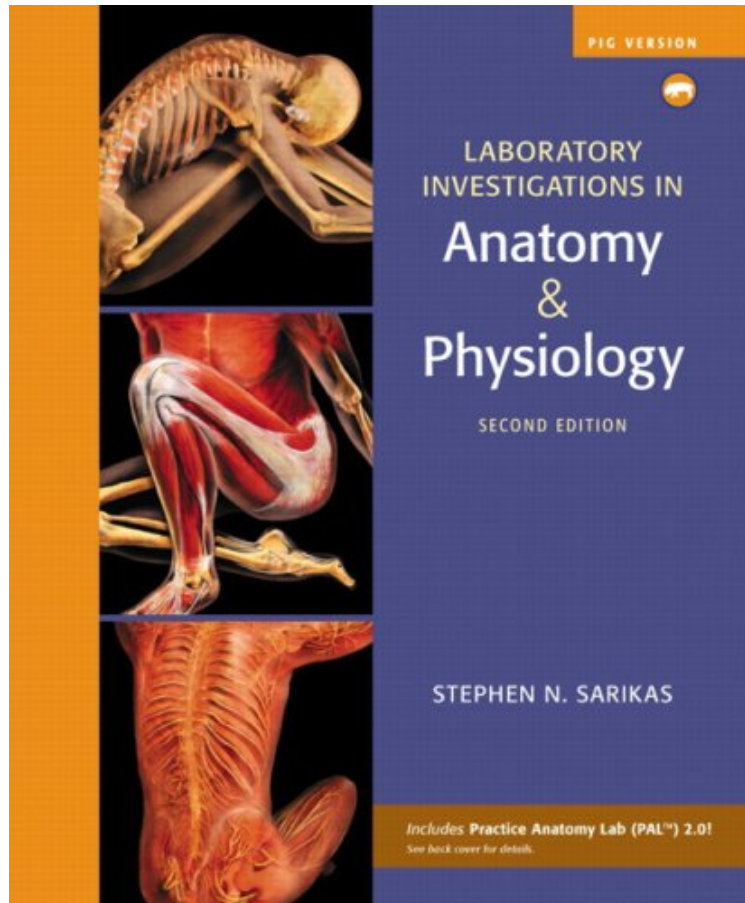


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Laboratory Investigations in Anatomy Physiology, Pig Version (2nd Edition)

Stephen N. Sarikas

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From the Back Cover This concise lab manual is designed for those wanting a briefer and less expensive lab manual than traditionally available for the two-semester anatomy physiology lab course and who also want their readers to develop critical thinking skills in the lab. Laboratory Investigations in Anatomy Physiology, Pig Version, Second Edition contains only 31 exercises, providing just the core exercises done in most lab courses, in contrast to the 40 or 50 lab exercises included in the leading anatomy physiology lab manuals. Through the use of frequent and engaging Questions to Consider, author Stephen Sarikas helps readers think about complex ideas and make connections between concepts. By challenging readers not only to observe but also to interpret what they experience in the lab, he gives readers an investigative experience that ensures they will retain what they have learned a tremendous benefit to any reader going into a healthcare-related career. The Second Edition features all-new activities on surface anatomy, a fascinating new feature on forensic science, enlarged illustrations with more deeply contrasting colors to make learning easier, a new website for practice and quizzing, and the new Practice Anatomy Lab (PALtm) 2.0 anatomy practice and assessment tool. Main and Cat Versions of this lab manual are also available. Body Organization and Terminology, Care and Use of the Compound Light Microscope, Cell Structure and Cell Division, Membrane Transport, Epithelial and Connective Tissues, The Integumentary System, The Axial Skeleton, The Appendicular Skeleton, Articulations, Histology of Muscle Tissue, Gross Anatomy of the Muscular System, Physiology of the Muscular System, Histology of Nervous Tissue, The Brain and Cranial Nerves, The Spinal Cord and Spinal Nerves, Human Reflex Physiology, Special Senses, The Endocrine System, Blood Cells, Gross Anatomy of the Heart, Anatomy of Blood Vessels, Cardiovascular Physiology, The Lymphatic System, Anatomy of the Respiratory System, Respiratory Physiology, Anatomy of the Digestive System, Actions of a Digestive Enzyme, Anatomy of the Urinary System, Urinary Physiology, The Male Reproductive System, The Female Reproductive System, Introduction to the Pig and Removal of the Skin, Dissection of the Pig Muscular System, Dissection of the Pig Peripheral Nervous System, Dissection of the Pig Ventral Body Cavities and Endocrine System, Dissection of the Pig Cardiovascular System, Dissection of the Pig Lymphatic System, Dissection of the Pig Respiratory System, Dissection of the Pig Digestive System, Dissection of the Pig Urinary System, Dissection of the Pig Reproductive System. Intended for those interested in learning the basics of anatomy physiology laboratory. About the Author Stephen Sarikas is a professor at Lasell College in Newton, Massachusetts (outside of Boston), where he teaches courses in anatomy physiology, biology, and environmental science. Professor Sarikas is the 2008-2011 recipient of the Joan Weiler Arnow Professorship, an award given to a Lasell College faculty member with a record of excellence in teaching, professional development, and leadership. He is also a Lecturer of Occupational Therapy in the Boston School of Occupational Therapy at Tufts University. He received his Ph.D. (Anatomy) from the Boston University School of Medicine, his M.S. (Zoology) from Southern Illinois University, Carbondale, and his B.S. from the University of Massachusetts. His current research interest is AIDS/HIV awareness among college students. He is a member of the Human Anatomy and Physiology Society (HAPS) and the National Science Teachers Association (NSTA). He is also an enthusiastic Red

Sox fan.