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An anatomical illustration of the human torso, showing the skeletal structure (ribs, spine, pelvis) and the muscular system. The muscles are rendered in shades of pink and red, with some fibers highlighted in blue and green. The illustration is detailed, showing the texture of the muscles and the arrangement of the bones.

# Anatomy, Physiology, & Disease

Foundations for the Health Professions

Deborah Roiger | Nia Bullock

Third Edition

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Graw  
Hill

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**Third Edition**





## ANATOMY, PHYSIOLOGY, & DISEASE

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# Dedication

I would like to dedicate this book to all of my anatomy and physiology students, who have taught me so much.

~Deborah Roiger

I would like to dedicate this book to my family for all of their support and to my students, whose drive and dedication are awesome sources of inspiration.

~Nia Bullock

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E. Audras/PhotoAlto

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Deborah Roiger has 17 years of teaching experience, the last 12 of which were in the Minnesota State Colleges and University (MNSCU) system of 32 state-sponsored technical colleges, community colleges, and universities. She was voted instructor of the year in 2007 by the students at St. Cloud Technical College, received five awards for excellence by MNSCU for projects she developed, and was named educator of the year in 2009 by the MNSCU board of trustees. Deborah's development of digital resources for teaching anatomy and physiology online also earned an Innovation of the Year award in 2009 from the League for Innovation in the Community College. She has presented her work in the development of anatomy and physiology resources at four national conferences. Deborah is the author of *Anatomy & Physiology: Foundations for the Health Professions* and its accompanying workbook. She is a member of the Human Anatomy and Physiology Society (HAPS) and the National Science Teachers' Association (NSTA).