

ABOUT THE AUTHOR



CHARLES WELSH began his Anatomy & Physiology teaching career upon graduating with a B.S. in Biology from the University of Pittsburgh in 1989. He entered graduate school in 1992 and continued teaching night classes. He accepted his first full-time teaching position at Clarion University of Pennsylvania in 1996. In 1997, he completed his Ph.D. in Comparative Anatomy, Evolutionary Biology, and Ornithology. Teaching primarily in nursing and other allied health programs, he now brings his 30 years of classroom experience to the second high school edition of *Hole's Essentials of Human Anatomy & Physiology*. Since 2009, he has been teaching at Duquesne University in Pittsburgh, Pennsylvania. During this time, he has received several teaching awards, as well as the Mentor of the Year

Award for training graduate students to teach Anatomy & Physiology. Chuck and his wife, Lori, have three children and three grandchildren. They live in the historic town of Harmony, thirty miles north of Pittsburgh, with their youngest son, where they raise chickens and have a huge garden.



CYNTHIA PRENTICE-CRAVER Contributing author to *Hole's Essentials of Human Anatomy & Physiology, 2e*, Cynthia Prentice-Craver has been teaching human anatomy and physiology for over twenty years at Chemeketa Community College and is a member of the Human Anatomy and Physiology Society (HAPS). Cynthia's teaching experience both in grades 6-12 and in college, her passion for curriculum development, and her appetite for learning, fuel her desire to write. Her M.S. in Curriculum and Instruction, B.S. in Exercise Science, and extended graduate coursework in biological sciences have been instrumental in achieving effective results in the courses she teaches. Cynthia co-authored the *Martin Laboratory Manual for Human Anatomy & Physiology, 4e*.

Beyond her professional pursuits, Cynthia's passions include reading and listening to books, attending exercise classes, walking outdoors, attending concerts, traveling, and spending time with her family.

ADDITIONAL CONTRIBUTORS

DIGITAL AUTHORS

LESLIE DAY earned her B.S. in Exercise Physiology from UMass Lowell, an M.S. in Applied Anatomy & Physiology from Boston University, and a Ph.D. in Biology from Northeastern University. She currently works as an Associate Clinical Professor and Associate Chair in the Department of Physical Therapy, Movement and Rehabilitation Sciences at Northeastern University with her main teaching role in upper level Gross Anatomy and Neuroanatomy courses, but still loves teaching her introductory anatomy course. She has received five teaching awards at the universities, including the coveted University Excellence in Teaching Award. Her current research focuses on the effectiveness of different teaching pedagogies, including the flipped-classroom and various technology. She brings her love for anatomy and quest for trying new technology into the classroom to make for a dynamic evidence-based teaching style that is friendly to all students.

JULIE PILCHER began teaching during her graduate training in Biomedical Sciences at Wright State University, Dayton, Ohio. She found, to her surprise, that working as a teaching assistant held her interest more than her research. Upon completion of her Ph.D. in 1986, she embarked on her teaching career, working for many years as an adjunct in a variety of schools as she raised her four children. In 1998, she began full-time at the University of Southern Indiana, Evansville. Her work with McGraw-Hill began several years ago, doing reviews of textbook chapters and lab manuals. When the opportunity arose to become more involved in the authoring of digital content for McGraw-Hill, she could not pass it up. Based on her own experience, students are using more and more online resources, and she is pleased to be part of that aspect of A&P education.

HIGH SCHOOL CONTRIBUTORS

ELIZABETH CO grew up in Vermont and received a BA in Biology from Mount Holyoke College and a PhD in Biomedical Sciences from the University of California, San Francisco. She has been teaching Anatomy, Physiology, Biology and Infectious Disease for the last ten years in California and, more recently, at Boston University in Massachusetts. Liz loves to watch students master and engage with the material through its application to real life. In her classrooms, Liz writes case studies for her students to work through in order to strengthen their critical thinking skills. Liz is also active in the field of pedagogical research.

ERIN HUIZINGA has spent more than 20 years as an educator who has developed rigorous, relevant curricular experiences for high school students. Erin has designed specialized programs that allow students to develop as scientists with an emphasis on real-world applications. Erin has been involved with health science career academies since 2005, teaching anatomy and physiology as part of an integrated curriculum focused on medical and health sciences. Through these highly collaborative and innovative programs, she has been able to implement research-based strategies that directly relate to improving student achievement.