

Faculty Recruitment Seminar

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“Anatomy of the Thoracic Wall & Lungs”

The thorax is a complex region of both anatomical significance and clinical relevance. The space is compartmentalized, within which several vital viscera reside, notably the main organs of respiration and circulation. The thoracic cavity is bounded by a bony thoracic wall, comprised of ribs, vertebrae, and sternum, and is supported by many ligaments and muscles. The musculature of the thorax is responsible for breathing, and muscles that attach to the thoracic wall may also facilitate the general movement of the trunk, upper limbs, and the neck. This lecture is part 1 of 2 of the thorax (with part 2 focusing on the mediastinum and heart). We will begin our journey with a general introduction to the space, then describe the anatomy of the thoracic wall (including osteology, musculature, and neurovascular features), and finally describe the pleura and lungs, highlighting their critical role to the anatomical basis of respiration. This lecture is intended to prepare students for success in an integrated curriculum, by providing bridges between anatomical knowledge and relevant clinical sciences associated with the thorax. At the conclusion of this lecture, the learner will understand why the thorax is more important than they thought!

Genome Auditorium

Wednesday, December 1, 2021

9:00 am

