ED I.

Microscopic Anatomy and Embryology I.

Announcements and subject matter of the semester

Acceptance of the semester
Active participation in histology laboratory sessions is obligatory. Students should attend at least 75% of the scheduled hours, and successfully pass the obligatory midterm test*, to gain a signature proving the validity of the semester. Absences are therefore limited in 25%.

I. Microscopy of basic tissues
Simple/stratified epithelia, glandular tissues, connective and supporting tissues, muscle tissues and blood

II. Microscopical structure of internal organs
Cardiovascular, gastrointestinal, respiratory and urogenital systems

III. Embryology
General embryology, including spermatogenesis, oogenesis, fertilization, cleavage, blastulation, formation of germinial layers, body axes, molecular basis of right-left asymmetry, Hox genes, formation of the placenta, fetal membranes.
Organ development including the cardiovascular, digestive, respiratory, urogenital systems together with their malformations

IV. Histology and embryology of maxillofacial structures
development of the face, derivatives of the pharyngeal arches/clefts/pouches, tooth development; histology of salivary glands and teeth

Obligatory midterm test
Topics: General embryology, general histology
Date: Week 11, April 26
In case of absence, or an unsuccessful midterm result, students will have to attend a retake exam(TBA).
The semester is only accepted if the midterm is successfully passed (with at least a mark 2).

Semifinal examination
The semifinal exam consists of a written test (Histology and Embryology questions)
Topics: Subject matter of the present semester

Dr. Andrea D. Székely
Associate Professor, Course Director