Summary of work on CMO musculoskeletal system development

We have extended content in Craniofacial Mouse Ontology (CMO) to include the taxonomic, spatio-structural and developmental representation of fetal musculoskeletal system of the head (muscles, bones, cartilages, skeletal ligaments and joints) and their embryonic precursors and predecessors where available. The work focused on the parthood and spatial relationships of fetal bones, muscles, cartilages and sutures, as well as on the developmental properties of these structures, such as derivation, transformation and maturation. We have likewise updated representation of mouse embryo days and Theiler stages and their correspondences.

In this version of the OCDM, we have also incorporated mouse and zebrafish anatomy terms and human malformation phenotypes that were requested or suggested by some members of the FACEBASE consortium.