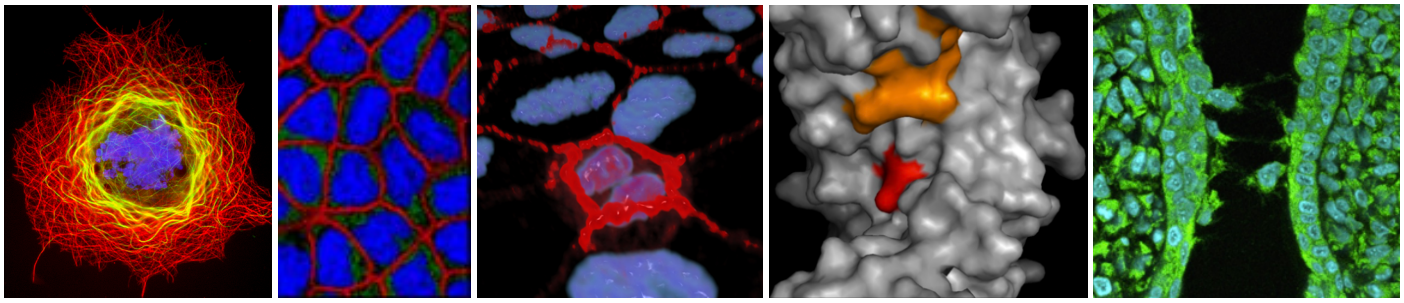
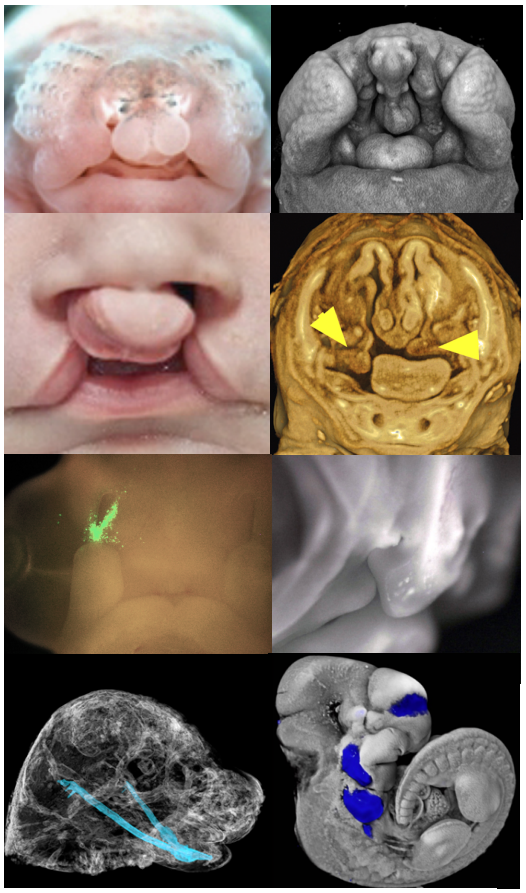


Post-doc/Research Scientist positions

The University of Missouri-Kansas City's Department of Oral & Craniofacial Sciences has openings for **TWO** postdoctoral researcher/research scientists to join the laboratory of Prof Timothy Cox:

Position #1: Postdoctoral Researcher/Research Scientist, Cell Biology/Developmental Biology
Position #2: Postdoctoral Researcher/Research Scientist, Genomics/Epigenomics

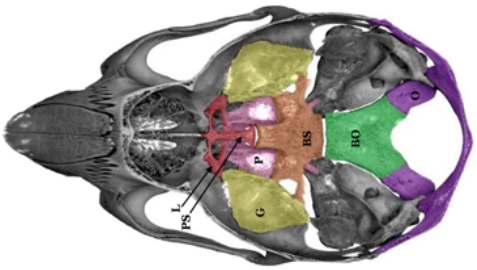
The lab: Prof Cox's laboratory conducts both basic and translational research aimed at understanding mechanisms coordinating normal craniofacial development and those influencing an individual's susceptibility to common craniofacial birth defects such as cleft lip/palate and craniofacial microsomia. Our research incorporates the gamut of molecular, cellular and genetic techniques and has particular expertise in 3D imaging (microCT and Optical Projection Tomography [OPT]) for the qualitative and quantitative analysis of embryonic and postnatal craniofacial development. We use both mouse and chick as our models, although the mouse is our main model for studying both developmental gene function and gene x maternal diet interactions. In addition, there are always opportunities for patient-focused genetic investigations through various ongoing collaborative ventures. The successful applicants will support current NIH-funded and non-NIH projects while having flexibility to pursue other research goals that fall within the lab's area of focus.



Position #1 requirements: The minimum requirement is a doctoral degree in the life sciences. Experience in more than one of the following areas is highly desirable: molecular biology, epithelial cell biology, cell signaling, and/or developmental biology. Experience in advanced microscopy and/or bioinformatics will also be considered favorably although is not essential.

Position #2 requirements: Minimum requirements for the position include a doctoral degree in either the life sciences or in computer sciences (with some biology training). Prior experience in genomics, epigenomics and/or bioinformatics is highly desirable.

In addition to excellent verbal and written communication skills, the successful candidates will be highly motivated, able to work independently and creatively yet function as team player, be proficient at problem solving, be open-minded, willing to listen and to question, and have a deep curiosity for science.



Application Instructions: To apply, please submit (1) a brief cover letter, (2) a current CV, and (3) contact information for a minimum of two referees. Applications must be submitted through the UMKC website: https://info.umkc.edu/hr/careers/academic-positions/. Select "View Jobs" then search using the Job ID numbers: 29645 & 29884. For further information, please contact Prof Cox (coxtc@umkc.edu).

Kansas City - an outstanding research environment and affordable city living: The Department of Oral & Craniofacial Science offers a collegial atmosphere with a gender-balanced faculty of senior and junior PIs. OCS Faculty have expertise in bone and developmental biology, biomaterials and 3D bioprinting. The Department has outstanding staff-supported core facilities that provide advice, training and service to researchers of all levels. These facilities include a fully supported advanced microscopy suite (multiple confocal microscopes, laser capture microdissection, live cell imaging capabilities), scanning and transmission electronic microscopy, a biostructure facility (including FTIR, Raman and atomic force microscopy), extensive biomechanical testing resources, a fully supported histology core, and tomographic imaging (microCT and OPT) facility. There is also ample vivarium space, supported by trained technical staff. The Department is located adjacent Children's Mercy Hospital and the new Children's Mercy Research Institute (including the Center for Pediatric Genomic Medicine) and a short distance from the Stowers Institute for Medical Research and KU Medicine, offering many opportunities for interaction and collaboration.

Downtown Kansas City has undergone a revival in recent years, boasting gorgeously restored buildings for apartment living, an abundance of restaurants, bars and live music venues to suit all types. Out of the city center, there are many great neighborhoods with housing that remains affordable for everyone. Come… be surprised!