A POSTDOC POSITION

POSITION SUMMARY
We are seeking a highly motivated postdoc to work on the role of transcription factors in craniofacial development and disorders. This position is available at the Center for Craniofacial Research in the Department of Diagnostic and Biomedical Science University of Texas School of Dentistry at Houston.

Our lab has been working on a novel genetic interaction between TWIST1 and IRF6 transcription factors during craniofacial development. Our goals are to understand the mechanism of the genetic interaction and to test the hypothesis that patients with small mandible and Pierre Robin Sequence carry DNA variations in genes involved in the IRF6-TWIST1 regulatory pathway during embryonic development. The postdoc will be responsible to conduct research activities, support and lead lab projects, report and write manuscripts for publications, and also directly work with students in the lab. The postdoc will perform lab experiments and in vivo studies using mice as an animal model to study the role of transcription factors and signaling molecules in face and jaw development. We also use ex-vivo mandibular organ and human cell lines to perform biochemical and molecular assays to test biological hypotheses that will allow us to understand the mechanism of action of gene regulation and protein activities.

A PhD degree in biochemistry, molecular biology, molecular genetics or other relevant basic sciences is required. A postdoc experience of 0-2 years is preferential.

Please contact Dr. Walid Fakhouri, Walid.D.Fakhouri@uth.tmc.edu, at School of Dentistry for information and interest in the position.