Jack Tseng PhD
Assistant Professor, Dept. of Integration Biology, UC Berkeley
Assistant Curator, Museum of Paleontology, UC Berkeley

Understanding mammalian jaw evolution using a carnivoran model system

Carnivoran mammals include the largest and most widespread terrestrial predators living today, roles that have been occupied by this group of mammals since shortly after the extinction of non-avian dinosaurs. How does the evolutionary history of the carnivoran jaw help us understand the ways in which these 'new kids on the block' came to play increasingly important roles in their respective ecological communities in every corner of the world, even at sea? I'll review our current understanding of carnivoran jaw form and function, and showcase research in our lab to demonstrate how biomechanical and engineering analytical approaches using a combination of model- and specimen-based data make carnivorans a great model for understanding jaw evolution in general.

HEB Seminar Series
February 28, 2022 | 12:00 – 1:00 PM
Via Zoom Meeting ID: 910 5033 6303
https://usc.zoom.us/j/91050336303pwd=eUduT2JraG0xN3FWNG9GdVZsQUcrZz09

More information and seminar recordings at HEB website