June 3 & 4 - FaceBase 2025 Community Forum

**Information Sciences Institute
Room 1014
4676 Admiralty Way, Marina del Rey, CA 90292**

Zoom link available upon registration. Email help@facebase.org for assistance.

The theme of the FaceBase 2025 Community Forum is **"Enabling and Expanding the Reach of Craniofacial Research: Building Connections and Supporting Reuse"**

This year's focus will center on three key themes:

1. **Targeting the Entire Data Lifecycle to Maximize Data Reuse in Research:** Demonstrating FaceBase's role in facilitating the planning for and the sharing of original and derived data to maximize data reuse in the context of the data lifecycle.

2. **Promoting Use of Multi-dimensional Preclinical and Clinical Data:** Enhancing pre/clinical data contribution and use. Strengthening the connection between human diseases and relevant animal models.

3. **Expanding and Connecting Scientific Dental, Oral, Craniofacial and Inner Ear (DOCIE) Data with Anatomically and Biologically Relevant Health and Disease Models:** Engaging more thought leaders, investigators, clinicians, organizations, and funders to explore FaceBase's unique offerings.

Day 1 - Tuesday, June 3
Information Sciences Institute - Room 1014

PDT	All times are in Pacific Daylight Time
8:00 AM	**Registration and Breakfast** *Gather your meeting materials and badge and enjoy a light breakfast (with coffee, tea and water)*
9:00 AM *(10 min)*	**Introduction** *Yang Chai, D.D.S., Ph.D. (USC)*
9:10 AM *(20 min)*	**Opening Remarks** *Jennifer Webster-Cyriaque, D.D.S., Ph.D., Acting Director, National Institute of Dental and Craniofacial Research (NIDCR/NIH)*
9:30 AM *(40 min)*	**FaceBase 4** *(25 min talk/15 min Q&A)* Preview of the roadmap for the next five years of FaceBase. *Carl Kesselman, Ph.D. (USC) and Rob Schuler, Ph.D. (USC)*
	Keynote Talk
10:10 AM *(40 min)*	**The need for high quality data for data reuse and machine learning** *(30 min talk / 10 min Q&A)* *Helen M. Berman, Ph.D (USC, co-founder of the Protein Data Bank (PDB))*
10:50 AM *(15 min)*	*Break - Refreshments available*
	Scientific Talks A: Studies Comparing Normal and Abnormal Craniofacial Development Examples of researchers and clinicians who have compared normal vs. abnormal development
11:05 AM *(25 min)*	**Title TBD** *(20 min talk / 5 min Q&A)* *Justin Cotney, Ph.D. (Children's Hospital of Philadelphia)*
11:30 AM *(25 min)*	**Title TBD** *(20 min talk / 5 min Q&A)* *Samantha Brugmann, Ph.D. (Cincinnati Children's Hospital)*
11:55 PM *(1 hour)*	*Catered Lunch – 60 min*
	Panel A: Incorporating relevant clinical elements (EMR/EDR, etc) into FaceBase to effectively facilitate clinical research *Moderator: Vidhya Venkateswaran, B.D.S., M.P.H., Ph.D. (NIH/NIDCR)*
12:55 PM *(50 min)*	*Panelists:* ● *Parish Sedghizadeh, D.D.S, M.S. (Herman Ostrow School of Dentistry/University of Southern California) (chair)* ● *Jeff Lotz can help recommend* ● *BigMouth representative* ● *NIDCD community representative*

	Dr. Sedghizadeh's lab is contributing data from a clinical database at USC - patients with oral/facial pain, heart issues, TMD as a pilot project for demonstrating incorporating elements of EMR/EDR into FaceBase.
	Talking points:
	● *How such an offering can answer user's research questions*
	● *Ways to make such a database accessible online at facebase.org (this is a new type of offering)*
	● *AI-readiness in clinical data for reuse in research*
	● *What data elements should or should not be included for an initial pilot project to be useful? For example, pharmaceutical metadata is incredibly complex*
	● *Consent issues*

Scientific Talks B: Broad impact of FaceBase Data Showing how FaceBase is useful beyond DOCIE use cases.	
1:45 PM *(25 min)*	**Bridging Facial Data and Chronic Pain Research: Expanding the HEAL Initiative's Reach** *(20 min talk / 5 min of Q&A)* *Jeffrey Lotz, Ph.D. (UCSF)*
2:10 PM *(35 min)*	**TMJ Anatomy and Pathology and collaboration with TMD IMPACT** *(15 min talk each / 5 min of Q&A)* *Glenn Clark, D.D.S., M.S. and Anette Vistoso Monreal, D.D.S., M.S. (USC)*
2:45 PM *(25 min)*	**The Potential for Dynamic MRI to study TMD and other craniofacial and oral conditions** *(20 min talk / 5 min of Q&A)* *Krishna S. Nayak, Ph.D. (USC)*
3:10 PM *(20 min)*	*Break – Refreshments available*

Poster Session	
3:30 PM *(90 min)*	**Onsite Poster Session and Reception (with cash bar available)** Opens with Lightning Talks of posters *11th floor - Room TBA*
5:00 PM	**Adjourn for the day**
7:00 PM	**Group Dinner** **Playa Provisions** 119 Culver Blvd, Playa Del Rey, CA 90293

PDT	**Day 2 - Wednesday, June 4th** **Information Sciences Institute - Room 1014**
PDT	**All times are in Pacific Daylight Time**
8:00 AM *(60 min)*	**Breakfast** Enjoy a light breakfast (Coffee, tea and water also available) and mingle with fellow attendees.
9:00 AM *(15 min)*	**Recap of Day 1** *Yang Chai, D.D.S., Ph.D. (USC)*
	Keynote Speaker
9:15 AM *(40 min)*	**Vision for Data Science: Advancing Research Through Integration, Accessibility, and Innovation** *(30 minutes talk, 10 minutes Q&A)* *Axel Visel, Ph.D. (Lawrence Berkeley National Lab)*
	Scientific Talks C: Reuses of FaceBase Data Examples of the FaceBase community's reuse of FaceBase data
9:55 AM *(25 min)*	**How FaceBase Data Helped Develop Designs for Pediatric Respirators** *(20 min talk / 5 min of Q&A)* *Christopher Nemeth, Ph.D. (Applied Research Associates, Inc) and Benedikt Hallgrímsson (Univ of Calgary) (**Remote**)*
10:20 AM *(25 min)*	**Viability of FaceBase Data for AI/ML work** *(20 min talk / 5 min Q&A)* *Peter Claes, Ph.D. (KU Leuven, Belgium) (**Remote**)*
	FaceBase in Related Health Domains
10:45 AM *(25 min)*	**Title TBD** *(20 min talk / 5 min Q&A)* *Jennifer Kalish, MD, PhD (Children's Hospital of Philadelphia) (**Remote**)*
	Panel B: FaceBase in Related Health Domains Exploring connections between DOC research and relevant systemic health and disease models. Demonstrating FaceBase for sharing diverse datasets and multidisciplinary collaborations. *Moderator: Helen Berman (tentative)*
11:10 AM *(50 min)*	**Panelists: Yang Chai (USC, FaceBase), other panelists pending** *Potential discussion points:* ● *What insights can the FaceBase data provide for and beyond DOCIE?* ● *Conversely, how can data from related biological, health, and disease areas inform DOCIE research?* ● *What is the role of FaceBase in sharing data across NIH institutions and encouraging interdisciplinary research?*

12:00 PM *(5 min)*	**Closing Thoughts** *Carl Kesselman, Ph.D. (University of Southern California)*
12:05 PM	**Adjourn/Lunch** Lunch available while attendees can mingle and talk about the meeting before they travel home.
1:30 PM *(60 min)*	**Internal Meeting for FaceBase NIDCR and NIDCD External Scientific Panel and the NIH FaceBase staff** Room TBD, plus virtual attendance