



**Society for Craniofacial Genetics & Developmental Biology  
48<sup>th</sup> Annual Meeting**

September 29<sup>th</sup>-October 1<sup>st</sup>, 2025

University of Minnesota

**Monday, September 29<sup>th</sup>, 2025**

**Weisman Art Museum, University of Minnesota, Minneapolis**  
333 E River Road, Minneapolis, MN 55455

**Welcome** (4:30 – 4:35 PM)

*Matthew Harris, PhD, Boston Children's Hospital, Harvard Medical School, SCGDB President*  
*Kristin Artinger, PhD, University of Minnesota, Meeting Host*

**Awards Session** (4:40 – 6:15 PM)

*Session Chair: Matthew Harris, PhD, Boston Children's Hospital, Harvard Medical School*

4:40 – 5:25 PM

**David Bixler Excellence in Craniofacial Research Award**  
Timothy Cox, PhD, University of Missouri-Kansas City

5:30 – 6:15 PM

**Marylou Buyse Excellence in Craniofacial Research Award**  
Jennifer Fish, PhD, University of Massachusetts, Lowell

**Reception** (6:15 – 8:00 PM)

*Hors d'oeuvres and drinks will be served*

**Tuesday, September 30<sup>th</sup>, 2025**

**Coffman Memorial Union, Theater**

300 Washington Ave SE, Minneapolis, MN 55455

8:00 – 8:45 AM

Check-in and poster set-up  
Coffman Memorial Union, Mississippi and President's Rooms

**Human Genetics of Craniofacial Variation and Disease** (8:45 – 10:00 AM)

*Session Chair: Katherine Fantauzzo, PhD, University of Colorado Anschutz Medical Campus*

8:45 – 9:15 AM

**Plenary talk:** William Dobyys, MD, University of Minnesota  
*TBD*

- 9:15 – 9:30 AM Bryn Webb, MD, University of Wisconsin  
*Craniofacial and genetic characterization of Moebius syndrome*
- 9:30 – 9:45 AM Paul Iyyanar, PhD, Nationwide Children's Hospital  
*Functional discovery of novel craniofacial genes via ENU mutagenesis*
- 9:45 – 10:00 AM Roberta Fiorino, BS, Stowers Institute for Medical Research  
*Genetic modifiers can modulate the phenotypic variability of craniofacial diseases*

**Coffee Break** (10:00 – 10:30 AM)

**Workshops** (10:30 AM – 12:15 PM)

- 10:30 – 11:30 AM **Scientific Writing**  
Christine M. Blaumueller, PhD, University of Iowa  
Director, Scientific Editing and Research Communication Core
- 11:30 – 12:15 PM **The Role of AI in Advancing Research and Care: Engineering serendipity: Bridging complex data to the point of care**  
Casey Greene, PhD, University of Colorado Anschutz Medical Campus  
Founding Director, Center for Health Artificial Intelligence

**Lunch** (12:15 – 1:15 PM) *Boxed lunch provided in Coffman Memorial Union, President's Room.*

**Systems Biology of Craniofacial Development and Disease** (1:15 – 2:30 PM)

*Session Chair: Lisa Taneyhill, PhD, University of Maryland*

- 1:15 – 1:45 PM **Plenary talk:** Laura Kerosuo, PhD, National Institute of Dental and Craniofacial Research  
*Multiplexed views on neural crest stemness and implications on DiGeorge syndrome*
- 1:45 – 2:00 PM Daniel Graf, PhD, University of British Columbia  
*Loss of precise cell fate specification and developmental delay in Ankrd11-mutant mice*
- 2:00 – 2:15 PM Silvia Meyer Nava, PhD, University of Minnesota  
*The role of Brg1/smarca4a during craniofacial development in zebrafish*
- 2:15 – 2:30 PM Ziyang Lin, MS, University of Southern California  
*Spatial transcriptomics reveals stromal-immune crosstalk driving TMJ arthritis pain*

**SCGDB Business Meeting** (2:30 – 3:00 PM)

- 2:30 – 2:40 PM President's comments (Matthew Harris, PhD)
- 2:40 – 2:50 PM Election for Secretary
- 2:50 – 2:55 PM Treasurer's report (Eric Van Otterloo, PhD)

2:55 – 3:00 PM Other business (Matthew Harris, PhD and Lisa Taneyhill, PhD)

**Break and poster set-up** (3:00 – 3:30 PM)

**Evolutionary Connections – Genetics, Genomics and Development** (3:30 – 4:45 PM)

*Session Chair: Eric Van Otterloo, PhD, University of Iowa*

3:30 – 4:00 PM **Plenary talk:** Craig Miller, PhD, University of California, Berkeley  
*Conserved genetic circuitry regulates vertebrate craniofacial development, regeneration, and evolution*

4:00 – 4:15 PM M. Fernanda Palominos, PhD, University of California, Berkeley  
*Novel craniofacial genes linked to extreme jaw evolution in pupfishes revealed by tissue-specific transcriptomics and speciation genomics*

4:15 – 4:30 PM Alexandra Manchel, PhD, Children's Hospital of Philadelphia  
*Gene expression patterns of the developing human face at single cell resolution reveal cell type contributions to normal facial variation and disease risk*

4:30 – 4:45 PM Abigail Mumme-Monheit, BS, University of Colorado Anschutz Medical Campus  
*Variable paralog expression underlies variable incomplete penetrance of craniofacial phenotypes*

**Break** (4:45 – 5:00 PM)

**Poster Session and Reception** (5:00 – 8:00 PM)

*Light refreshments will be served.*

**Wednesday, October 1<sup>st</sup>, 2025**

**Coffman Memorial Union, Theater**

300 Washington Ave SE, Minneapolis, MN 55455

**Signaling Mechanisms Underlying Craniofacial Development and Disorders** (8:30 AM – 9:45 AM)

*Session Chair: Amy Merrill, PhD, University of Southern California*

8:30 – 9:00 AM **Plenary talk:** David Clouthier, PhD, University of Colorado Anschutz  
*Functional significance of human gene variants in craniofacial disorders*

9:00 – 9:15 AM Rulang Jiang, PhD, Cincinnati Children's Hospital Medical Center  
*FOXD1 orchestrates musculoskeletal development and integration during palatogenesis*

9:15 – 9:30 AM Blanka Mrazkova, PhD, Institute of Molecular Genetics of the Czech Academy of Sciences  
*The retinoic acid pathway regulates coronal suture patency and fusion*

9:30 – 9:45 AM An Tran, BS, University of Kansas Medical Center  
*Loss of SPECC1L in the cranial neural crest cells resulted in increased*

*Hedgehog signaling and frontonasal dysplasia*

**Coffee Break** (9:45 – 10:00 AM)

**Clinical and Patient Perspectives** (10:00 AM – 11:30 AM)

*Session Chair: Kristin Artinger, PhD, University of Minnesota*

- 10:00 – 10:30 AM     **Plenary talk:** Ethylin Jabs, MD, Mayo Clinic  
*Clinical genomics in craniofacial multidisciplinary care teams*
- 10:30 – 11:00 AM     Waleed Gibreel, MBBS, Mayo Clinic  
*Surgical management of complex craniofacial deformities: the value of interdisciplinary collaboration*
- 11:00 – 11:30 AM     Panel discussion with Parent Advocates, Kara Ausen and Arla Schultz

**Awards and closing remarks** (11:30 AM – 12:00 PM)

*Matthew Harris, PhD, Boston Children's Hospital, Harvard Medical School*

*Lisa Taneyhill, PhD, University of Maryland*

**Adjourn** - 12:00 PM

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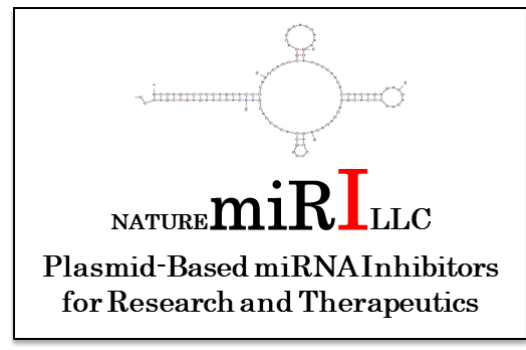
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