

"An Introduction to the Oral & Craniofacial Biological Network"

10th June 2021, 10am-3pm EST (3-8pm BST)

Zoom Meeting ID: 840 3529 1547 and Passcode: 9VTbrC

Link: <https://us02web.zoom.us/j/84035291547?pwd=d3pZblcxMTdrbFJHdnFQQnR1YWWhXdz09>



10:00 Welcome and the HCA OCBN: Inês Sequeira and Kevin M. Byrd (5min)

10:05 Introduction & Vision: Sarah Teichmann (20+5min)

10:30 What has been done so far (15+5min each):

1. Blake Warner – *Applied single cell omics in salivary gland dysfunction*
2. Ana Caetano (Sharpe Lab) – *Mapping of human gingiva cell architecture via integrated single cell and spatial transcriptomics*
3. Marcelo Freire – *Manual and machine learning strategies to discover salivary immune cells*
4. Drake Williams (Moutsopoulos Lab) – *A human oral mucosal cell atlas reveals a stromal-neutrophil axis regulating tissue immunity*

11:30 Keynote Speaker (20+5min)

Purushothama Rao Tata – *Collaboration, Discovery, & Advances from the HCA Lung Bionetwork*

11:55 **Break**

12:00 Horizon Presentations, Pt I (10 min+5min each)

1. Kevin M. Byrd – *An integrated oral, nasal, and respiratory atlas of the inhalation interface*
2. Anunya Opasawatchai – *A glimpse into human dental pulp components and cellular communication through the lens of single-cell transcriptomics*
3. Kai Kretzschmar – *Dissecting head and neck cancer using organoid technology and single-cell transcriptomics*
4. Lauren Katz McKay (White Lab) – *Transcriptomic profiling of the craniofacial muscle stem cell population*

1:00 **Break**

1:35 Horizon Presentations, Pt II (10 min+5min each)

1. Inês Sequeira – *Harnessing the healing potential of the oral mucosa*
2. Irit Zmora (Klein Lab) – *The effects of smoking and vaping on oral epithelial regeneration*
3. Wan Jin Lu (Beachy Lab) – *Tongue: an essential organ for survival and culture*
4. Sarah Pringle – *Understanding the origins of salivary gland dysfunction in primary Sjögren's syndrome and following checkpoint inhibitor use*

2:35 **Break**

2:40 Group Discussion: The Roadmap for a Complete Oral and Craniofacial Atlas (20min)

3:00 Wrap-up