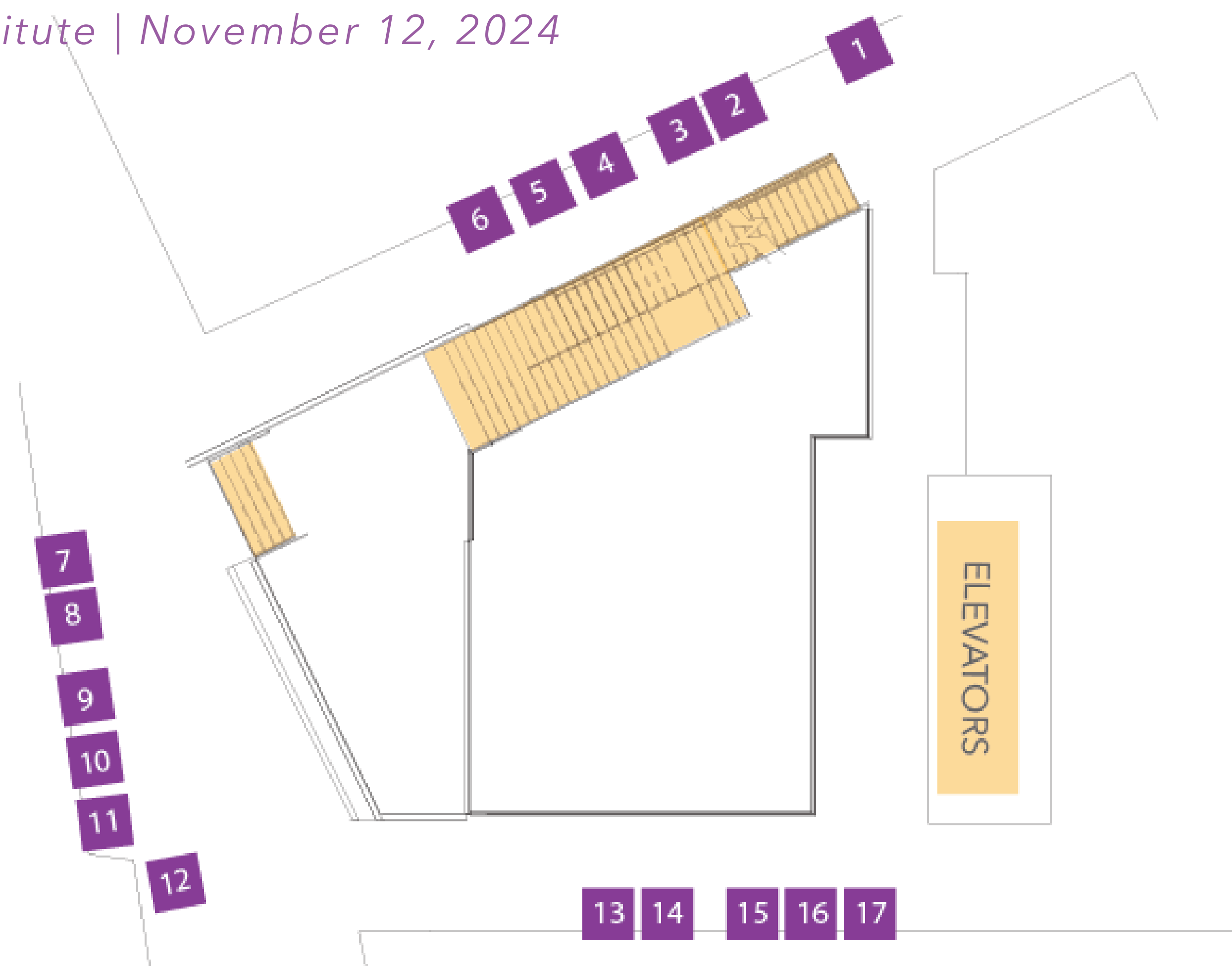


# TEMTIA 11, Day 1 Poster Session

Allen Institute | November 12, 2024  
Level 2



**1. EPITHELIAL-TO-MESENCHYMAL TRANSITIONS DURING MECHANOSENSORY CELL DEVELOPMENT AND REGENERATION | AHLAN FERDOUS**

**2. MACROLIDES AS INHIBITORS OF EPITHELIAL TO MESENCHYMAL TRANSITION IN RESPIRATORY EPITHELIUM | ARNI ASBJARNARSON**

**3. A NOVEL PHOSPHATASE IN MATRIX STIFFNESS-DRIVEN EMT AND TUMOR METASTASIS | CALISTA HORTA**

**4. HETEROGENOUS CANCER CELL PLASTICITY IN PATIENT-DERIVED BREAST CANCER ORGANOIDS | DANA ISHAY-RONEN**

**5. QUANTIFYING FLUCTUATIONS AT CELL DIVISION VIA POPULATION-LEVEL MEASUREMENTS | DOMENICO CAUDO**

**6. INHIBITION OF BREAST CANCER METASTASIS BY TARGETING CELLS UNDERGOING EMT WITH NOVEL MAMMALIAN L-ASPARAGINASES | EVELIEN PEETERS**

**7. CYTOPROTECTIVE ROLE OF MESENCHYMAL STEM CELL DERIVED EXOSOMES AGAINST EPITHELIAL MESENCHYMAL TRANSITION VIA TARGETING THE NRF2/KEAP1/P62 PATHWAY IN CHRONIC LIVER INFLAMMATION | HAJIR AL SAIHATI**

**8. ZEB1 PRESENTS AN ONCOGENIC FUNCTION IN COLORECTAL CANCER THROUGH STEMNESS ACQUISITION | JEROEN VERSTAPPE**

**9. ZEB2 AND IL7-R SIGNALING AS TARGETS IN TRIPLE NEGATIVE BREAST CANCER (TNBC) PROGRESSION | JODY JONATHAN HAIGH**

**10. CHIR99021-INDUCED EPITHELIAL-TO-MESENCHYMAL TRANSITION OF INDUCED PLURIPOTENT STEM CELLS SHOW SIMILAR PHYSIOCHEMICAL EFFECTS WITH AND WITHOUT B27 SUPPLEMENTATION, BUT B27 IS REQUIRED FOR CARDIOMYOCYTE DIFFERENTIATION | MAHIR MOHIUDDIN**

**11. INVESTIGATING THE INFLUENCE OF PLEXINB2 ON MESENCHYMAL TO EPITHELIAL TRANSITION AND METASTATIC BURDEN | MORGAN LLOYD ROBERTS**

**12. NEUTROPHIL EXTRACELLULAR TRAP (NET)-MEDIATED PANCREATIC CANCER INVASION AND METASTASIS REQUIRES ITGB1-ILK-DEPENDENT EMT | PAUL MCDONALD**

**13. DYSREGULATED TGF-BETA SIGNALING AS A COMMON MECHANISM LEADING TO EMT IN IPSC-RPE DERIVED FROM MUTIPLE CILIOPATHY PATIENTS | HUIRONG LI**

**14. TARGETING CD73 SENSITIZES QUASI-MESENCHYMAL BREAST TUMORS TO IMMUNE CHECKPOINT INHIBITION IN A CD4+ T CELL DEPENDANT MANNER | SHINEY CHANDRAGANTI**

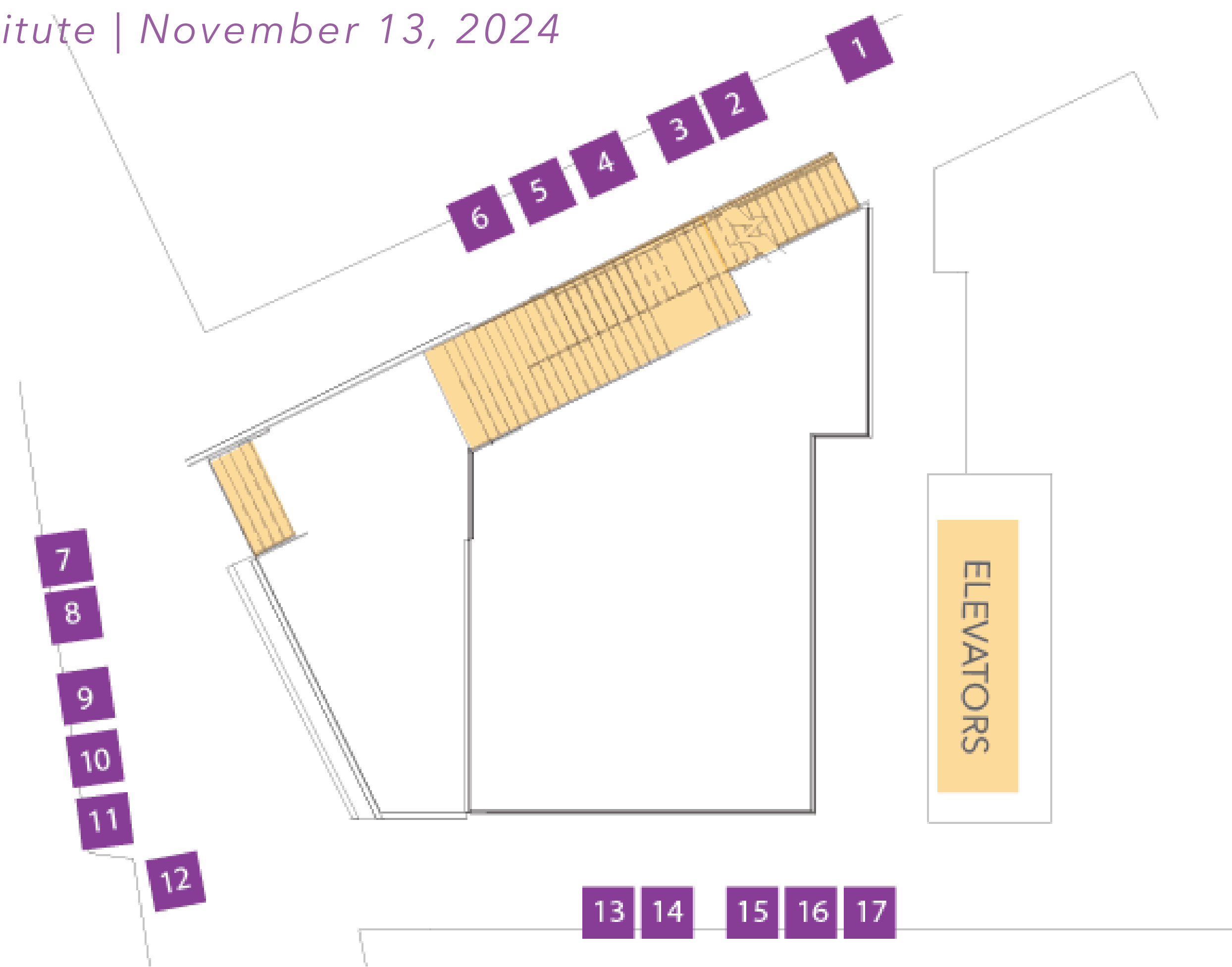
**15. GENE-EDITED HIPSC-DERIVED LUMENOIDS FOR IMAGING ENDOCYTIC DYNAMICS IN A 3D ENVIRONMENT | VALERIE BENTIVEGNA**

**16. EXOSTOSIN GLYCOSYLTRANSFERASE 1 (EXT1) IS A CRUCIAL DRIVER OF THE EMT PROGRAM | YOAV SHAUL**

**17. N-CADHERIN DYNAMICALLY REGULATES PEDIATRIC GLIOMA CELL MIGRATION IN COMPLEX ENVIRONMENTS | DAYOUNG KIM**

# TEMTIA 11, Day 2 Poster Session

Allen Institute | November 13, 2024  
Level 2



**1. DEMONSTRATING THE FUNCTIONALITY OF BIOFILE FINDER: AN ADVANCED WEB APPLICATION THAT ENHANCES THE ACCESSIBILITY AND ANALYSIS OF MICROSCOPY DATA, HIGHLIGHTING A COMPREHENSIVE, STANDARDIZED EMT DATASET AS A CASE STUDY. | SEAN MEHARRY & HANNAH THORP**

**2. IDENTIFYING THE ROLE OF CD4+ T CELLS IN SENSITIZING MESENCHYMAL BREAST TUMORS TO ANTI-CTLA4 IMMUNE CHECKPOINT BLOCKADE THERAPY | BRIAN FENG**

**3. KDM6A LOSS AFFECTS EMT RELATED GENE EXPRESSION AND GOLGI APPARATUS MORPHOLOGY | CHARLI WORTH**

**4. ZEB1 EXPRESSION IN CANCER-ASSOCIATED FIBROBLASTS PROMOTES DISTANT METASTASIS IN PDAC | MARC STEMMLER**

**5. INVESTIGATING THE ROLE OF TRANSIENT SITE-SPECIFIC GAINS IN EPITHELIAL-MESENCHYMAL PLASTICITY IN METASTATIC DISEASE | EMELIA SMITH**

**6. ZEB1 DRIVES A TRANSITION FROM LUMINAL TO CLAUDIN LOW BREAST CANCER | GEERT BERX**

**7. EPITHELIAL TO MESENCHYMAL TRANSITION CONFERS SENSITIVITY TO CYTOTOXIC AGENT OPHIOBOLIN A VIA ALTERATIONS IN MITOCHONDRIAL FUNCTION AND METABOLIC PATHWAYS | HALEIGH PARKER**

**8. REGULATION OF EMT BY EPITHELIAL POLARITY IN CANCER INVASION AND METASTASIS | JING ZHANG**

**9. THE EPITHELIAL-MESENCHYMAL TRANSITION DRIVES CD73-MEDIATED CROSS-PROTECTION IN HETEROGENEOUS BREAST TUMORS | KIMAYA BAKHLE**

**10. MAPK SIGNALING IS A CONSERVED MECHANISM EXPLAINING PHENOTYPIC HETEROGENEITY ACROSS DIVERSE DRIVERS OF EPITHELIAL-MESENCHYMAL TRANSITION IN PANCREAS CANCER | MICHELLE BARBEAU**

**11. CFTR GENE ADDITION DOES NOT NORMALISE EMT MARKERS IN PHE508DEL CYSTIC FIBROSIS RAT BASAL EPITHELIAL CELLS | NATHAN ROUT-PITT**

**12. SPATIALLY-RESOLVED PROFILING OF ADVANCED OVARIAN CLEAR CELL CARCINOMA REVEALS INTRA-TUMOR HETEROGENEITY IN EPITHELIAL-MESENCHYMAL GRADIENT | RUBY YUN-JU HUANG**

**13. OPHIOBOLIN A TARGETS EMT-POSITIVE CELLS BY TRIGGERING PANOPTOSIS, A CROSSTALK OF PATHWAYS IN TRIPLE-NEGATIVE BREAST CANCER CELLS | SANTHA RANGANATHAN**

**14. STARVED LEUKAEMIA CELLS ADJUST PROLIFERATION TO MAINTAIN SIZE | SIMONE SCALISE**

**15. ALTERNATIVE PER2 ENHANCER USAGE IN OVARIAN CANCER: INSIGHTS INTO EPITHELIAL-MESENCHYMAL TRANSITION (EMT) AND GENOME ORGANIZATION | YI-CHIA CHIU**

**16. NORMAL MAMMARY TISSUE RIGIDITY SUPPRESSES BREAST CANCER METASTASIS VIA TYK2-MEDIATED EMT INHIBITION | ZHIMIN HU**

**17. TGF-BETA DRIVEN EPIGENETIC PRIMING DURING THE EPITHELIAL TO MESENCHYMAL TRANSITION | ARCHANA DHASARATHY**