

SCHEDULE

Stowers Research Conferences:
Developmental Cell Biology: Dynamical Processes

April 22-23, 2021

All times are Central
Daylight Time (CDT)

Schedule: All talks are 30 minutes followed by 10 minutes for questions

DAY 1: APRIL 22, 2021

1:00 PM **Welcome and Overview**

1:00 PM - 1:40 PM **Keynote: OLIVIER POURQUIÉ and MARGARETE DIAZ CUADROS** | *Harvard University*
PATTERNING THE VERTEBRATE BODY AXIS

1:40 PM – 2:20 PM **LILIA SOLNICA-KREZEL and BLERTA STRINGA** | *Washington University in St. Louis*
MECHANISMS OF GASTRULATION: FROM ZEBRAFISH TO HUMAN

BREAK

BREAK- 10 Minutes

2:30 PM – 3:10 PM **CELINA JULIANO and JACK CAZET** | *University of California, Davis*
MECHANISMS OF DEVELOPMENT AND REGENERATION IN HYDRA

3:10 PM – 3:50 PM **SAMANTHA MORRIS and WENJUN KONG** | *Washington University in St. Louis*
NEW SINGLE-CELL GENOMIC TECHNOLOGIES TO DISSECT AND ENHANCE CELL FATE REPROGRAMMING

3:50 PM – 4:30 PM **Keynote: JOANNA WYSOCKA and ANDREW SPENCLEY** | *Stanford University*
GENE REGULATORY MECHANISMS IN HUMAN DEVELOPMENT, DISEASE AND EVOLUTION

Closing Comments

DAY 2: APRIL 23, 2021

9:00 AM **Welcome**

9:00 AM – 9:40 AM **VALERIE HORSLEY and RENEE WASKO** | *Yale University*
DIGGING DEEP: STROMAL CELLS IN TISSUE REPAIR

9:40 AM – 10:20 AM **ED MUNRO** | *University of Chicago*
DESIGN PRINCIPLES FOR SELF-ORGANIZED CORTICAL POLARITY

BREAK *BREAK – 10 Minutes*

10:30 AM – 11:10 AM **HERNAN GARCIA and ELIZABETH ECK** | *University of California, Berkeley*
REGULATION OF CHROMATIN ACCESSIBILITY AND TRANSCRIPTION IN DEVELOPMENT

11:10 AM – 11:40 AM **ALI H. BRIVANLOU** | *The Rockefeller University*
SELF-ORGANIZATION OF SYNTHETIC HUMAN EMBRYOS AND SYNTHETIC ORGANS

11:40 AM – 12:20 PM **Keynote: MAGDALENA ZERNICKA-GOETZ and MIN BAO** | *Caltech*
BUILDING EMBRYOS FROM STEM CELLS – ONE STEP AT A TIME

Closing Comments