

# 2022 Stem Cell Colloquium

Friday August 12, 2022 from 9:15 a.m. to 3:30 p.m.

Virtual Event



via Zoom

CSU Channel Islands MS Biotechnology & Bioinformatics Program presents

## STEM CELL COLLOQUIUM

Presentations by 9 CIRM Bridges Stem Cell Interns

Click to join the meeting:

<https://csuci.zoom.us/j/81725982962>



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For more information, contact Nitika Parmar, Stem Cell Program Director at [nitika.parmar@csuci.edu](mailto:nitika.parmar@csuci.edu)

## COLLOQUIUM SCHEDULE

9:15-9:30

### INTRODUCTIONS

Dr. Nitika Parmar: Director, CIRM Bridges to Stem Cell Training Grant  
Program Director, MS Biotechnology and Bioinformatics program  
Dr. Chunnian Zhao: Instructor, Bio 602, Stem Cell Technology Internship

9:30-10:00

### Tomas Reyes Martinez

Mechanisms of ER-Stress-Induced Human  $\beta$ -cell death

*Mentor: Dr Maike Sander*

*Professor, Department of Pediatrics and Cellular & Molecular Medicine, Sanford Consortium, UCSD*

10:00-10:30

### Rutuja Das

Antisense Oligonucleotide Therapy for Autism in Preclinical Models

*Mentor: Dr Joseph Gleeson*

*Professor, Department of Neurosciences, UCSD*

10:30-11:00

### Kelsey Hiton

Modeling Development and Dysfunctions of the Human Cerebellum Using iPSC-Derived Cerebellar Organoids

*Mentor: Dr Giorgia Quadrato*

*Assistant Professor, Eli and Edythe CIRM Center for Regenerative Medicine and Stem Cell Research, USC*

11:00-11:30

### Alex Mitre

Spatio-temporal Localization of the HIPPO Pathway Effectors, TEAD4/YAP1 and VGLL1 During Trophoblast Differentiation of Primed and Naïve hESC

*Mentor: Dr Francesca Soncin*

*Assistant Professor, Department of Pathology, Sanford Consortium for Regenerative Medicine, UCSD*

11:30-12:00

### Henry Diaz-Guijarro De Las Heras

Using Inducible MADR Tet-on System to Promote Direct Differentiation in Stem Cells

*Mentor: Dr Joshua J. Breunig*

*Associate Professor of Biomedical Sciences, Cedars-Sinai Medical Center*

12:00-12:15

### Awards Presentation

Presentation of 2022-2023 CIRM Bridges awards by Dr. Nitika PARMAR

12:15-12:45

### LUNCH

12:45-1:15

### Haramritpreet Kaur

Modeling of Neuronal Ceroid Lipofuscinosis, Type VI in iPSC Derived I3N-neurons

*Mentor: Dr Tyler M. Pierson*

*Associate Professor of Paediatrics and Neurology, Cedars-Sinai Medical Center*

1:15-1:45

### Tiffany Chase

Nanog Binds Polycomb Repressive Complex 2 to Induce Self-renewal in Hepatocellular Carcinoma

*Mentor: Dr Keigo Machida,*

*Associate Professor of Southern California Research Center for ALPD and Pancreatic Diseases, USC*

1:45-2:15

### Walongorn Kritalukkul

Development of Improved Methods for Transfecting and Cloning hiPSCs During Genetic Modification Procedures

*Mentor: Dr Victoria Fox,*

*President of Pathways to Stem Cell Science*

2:15-2:45

### Madison Waterlander

The cGAS-STING Pathway is Regulated by Polycystin-1 in vitro and is Activated in Animal Models of Polycystic Kidney Disease

*Mentor: Dr Thomas Weimbs.*

*Professor of Department of Molecular, Cellular & Developmental Biology, UCSB*

2:45

### Closing Remarks & Adjourn