



LINDA CRNIC INSTITUTE
for **DOWN SYNDROME™**

DOWN SYNDROME RESEARCH SYMPOSIUM

An annual showcase of innovative Down syndrome research from across the Front Range

September 21, 2022



8:30 AM - 4 PM



**ANSCHUTZ HEALTH
SCIENCES BUILDING
DONALD M. ELLIMAN
CONFERENCE CENTER**

● Coffee & Gathering - 8:30 AM ●



Joaquin Espinosa, PhD

**Professor of Pharmacology
Executive Director**
Linda Crnic Institute for Down Syndrome
University of Colorado Anschutz Medical Campus

9:00 AM

Introductory Remarks



Peter Buttrick, MD

**Division Head, Cardiology
Senior Associate Dean for Academic Affairs
S. Gilbert Blount Endowed Professor**
University of Colorado Anschutz Medical Campus

9:05 AM

Introductory Remarks



Michelle Sie Whitten

President and CEO
Global Down Syndrome Foundation

9:10 AM

Introductory Remarks



Connor Long

Self Advocate, Athlete, Actor & Speaker

9:20 AM

Introductory Remarks



Joshua Black, PhD

Assistant Professor of Pharmacology
University of Colorado Anschutz Medical
Campus

9:30 AM

*Innate Immune Activation
Stimulates DNA Rereplication of
the Interferon Receptor Locus and
is Dysregulated in T21*



Paula Araya, PhD

Postdoctoral Fellow
Linda Crnic Institute for Down Syndrome
University of Colorado Anschutz Medical
Campus

9:55 AM

*Triplication of HSA21-Encoded
Genes Modulates AD-related
Phenotypes in Vivo*



Marisa Stahl, MD, MSCS

Assistant Professor of Pediatrics
Children's Hospital Colorado

10:20 AM

*Genetic Risk for Celiac Disease in
Down Syndrome*

● Break - 10:45 AM ●



Bailey McCurdy

Graduate Student
University of Colorado Anschutz Medical
Campus - Pearson Lab

11:00 AM

*Trisomy 21 Increases Microtubules
and Disrupts Centrioles Satellite
Localization*



Michael Yeager, PhD

Associate Research Professor of Bioengineering
Linda Crnic Institute for Down Syndrome
University of Colorado Anschutz Medical Campus

11:25 AM

*Respiratory Tract Infection in Down
Syndrome: Lessons from Mouse
Models*



Deborah Fidler, PhD

Professor of Human Dev. & Family Studies
Director of the Prevention Research Center
Developmental Disabilities Division
Colorado State University

11:50 AM

*Emerging Cognitive Features in
Young Children with Down
Syndrome: Implications for Early
Treatment*

● **Lunch - 12:15 PM** ●

● **Poster Session - 1:15 PM** ●



Angela Rachubinski, PhD

**Assistant Research Professor of
Developmental Pediatrics**
Linda Crnic Institute for Down Syndrome

2:20 PM

*Tofacitinib Effects on JAK
Inhibition in Down Syndrome*



Kira Cozzolino

PhD Candidate
University of Colorado Boulder-
Taatzes Lab

2:45 PM

*Metabolomic and Transcriptomic
Analysis of the Role of Mediator
Kinases in the Interferon
Response in Down Syndrome*



Charles Hoeffler, PhD

**Associate Professor of Integrative
Physiology**
University of Colorado Boulder

3:10 PM

*The Role of Regulator of
Calcineurin1 (RCAN1) in the
Control of Sleep and Circadian
Function in Down Syndrome*

● **Closing Remarks - 3:35 PM** ●



GLOBAL

DOWN SYNDROME FOUNDATION®

**Thank you to our research affiliate the
Global Down Syndrome Foundation!**

To stay updated about GLOBAL's amazing advocacy work, events and more, you can become a GLOBAL member or signup for their monthly newsletter to get inspiration in your inbox each month.

<https://www.globaldownsyndrome.org/global-membership/>

[globaldownsyndrome.org](https://www.globaldownsyndrome.org)