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
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Presenter</th>
<th>Title/Role</th>
<th>Affiliation</th>
<th>Presentation/Topic</th>
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</thead>
<tbody>
<tr>
<td>9:00 AM</td>
<td>Joaquin Espinosa, PhD</td>
<td>Introductory Remarks</td>
<td>Linda Crnic Institute for Down Syndrome&lt;br&gt;University of Colorado Anschutz Medical Campus</td>
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<tr>
<td>9:05 AM</td>
<td>Peter Buttrick, MD</td>
<td>Introductory Remarks</td>
<td>Senior Associate Dean for Academic Affairs&lt;br&gt;S. Gilbert Blount Endowed Professor&lt;br&gt;University of Colorado Anschutz Medical Campus</td>
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<tr>
<td>9:10 AM</td>
<td>Michelle Sie Whitten</td>
<td>Introductory Remarks</td>
<td>Global Down Syndrome Foundation</td>
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<tr>
<td>9:20 AM</td>
<td>Connor Long</td>
<td>Introductory Remarks</td>
<td>Self Advocate, Athlete, Actor &amp; Speaker</td>
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<tr>
<td>9:30 AM</td>
<td>Joshua Black, PhD</td>
<td>Innate Immune Activation&lt;br&gt;Stimulates DNA Rereplication of the Interferon Receptor Locus and is Dysregulated in T21</td>
<td>University of Colorado Anschutz Medical Campus</td>
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<tr>
<td>9:55 AM</td>
<td>Paula Araya, PhD</td>
<td>Triplication of HSA21-Encoded Genes Modulates AD-related Phenotypes in Vivo</td>
<td>Linda Crnic Institute for Down Syndrome&lt;br&gt;University of Colorado Anschutz Medical Campus</td>
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<tr>
<td>10:20 AM</td>
<td>Marisa Stahl, MD, MSCS</td>
<td>Genetic Risk for Celiac Disease in Down Syndrome</td>
<td>Children's Hospital Colorado</td>
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**Break - 10:45 AM**
Bailey McCurdy
Graduate Student
University of Colorado Anschutz Medical Campus - Pearson Lab

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

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

Angela Rachubinski, PhD
Assistant Research Professor of Developmental Pediatrics
Linda Crnic Institute for Down Syndrome

Kira Cozzolino
PhD Candidate
University of Colorado Boulder-Taatjes Lab

Charles Hoeffer, PhD
Associate Professor of Integrative Physiology
University of Colorado Boulder

11:00 AM
Trisomy 21 Increases Microtubules and Disrupts Centrioles Satellite Localization

11:25 AM
Respiratory Tract Infection in Down Syndrome: Lessons from Mouse Models

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

2:20 PM
Tofacitinib Effects on JAK Inhibition in Down Syndrome

2:45 PM
Metabolomic and Transcriptomic Analysis of the Role of Mediator Kinases in the Interferon Response in Down Syndrome

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
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.globaldownsindrome.org/global-membership/