



9th International RASopathies Symposium

July 25-27, 2025, Hyatt Grand Cypress, Orlando, FL

Draft Agenda – 06/21/25

Description	Speaker	Duration	Schedule
FRIDAY Opening Night Dessert Reception, Posters, and Keynote 1: PORTICO EAST			
Welcome & Awards	Pau Castel, Tamar Green, Lisa Schoyer, Beth Stronach	15m	7:00-7:15pm
Poster Session		1h	7:15-8:15pm
Keynote 1: Progress on NF1- Insights for RASopathies	Jaishri Blakeley, MD / Johns Hopkins	45m	8:15-9:00pm

SATURDAY Breakfast: PORTICO EAST	1h	7:30am
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I-Systems 1: Feeding and Gastrointestinal Function: PALM ROOM			
<i>Moderator: Katherine Rauen, MD, PhD / UC Davis</i>			
Family perspective	Lindsey Homan / Noonan Syndrome Foundation	10m	8:30-8:40am
Pediatric gastrointestinal neuromodulation: applications and implications	Khalil El-Chammas, MD / Cincinnati Children's	20m	8:40-9:00am
Intestinal organoid system to study rare pediatric intestinal disorders	Abdul Ekadri, MD / Medical College Wisconsin	20m	9:00-9:20am
Assessment and treatment of pyloric dysfunction in children with chronic nausea and vomiting	John Fortunato, MD / Lurie Children's	20m	9:20-9:40am
Metabolic profiling in NF1	Miriam Bornhorst, MD / Lurie Children's	20m	9:40-10:00am
Feeding avoidance in RASopathies	Keir Shiels, MD & Angharad Roberts MD, PhD/ GOSH, London	20m	10:00-10:20am
Do children with a RASopathy and avoidant/restrictive food intake disorder benefit from cognitive behavioral therapy?	Dagmar Tiemens MSc, MScEd / Radboud UMC	10m	10:20-10:30am
<i>Break</i>		20m	10:30-10:50am

II-Systems 2: Neurodevelopment, Brain, and Behavior: PALM ROOM			
<i>Moderator: Tamar Green, MD / Stanford</i>			
Family perspective	Tuesdi Dyer OR Les Rogers / CFC International	10m	10:50-11:00am
Mechanism of learning disability associated with RASopathies	Yong-Seok Lee, PhD / Seoul National University College of Medicine	20m	11:00-11:20am
Perspectives of caregivers and young adults with RASopathies on neurodevelopmental & mental health care	Rene Pierpont, PhD / University of Minnesota Medical School	20m	11:20-11:40am
<u>ESI Selected Abstract</u> : T1w/T2w ratio as an indicator of cortical myelin content in children with RASopathies	Julia Plank, PhD / Division of Interdisciplinary Brain Sciences, Stanford	10m	11:40-11:50am
<u>ESI Selected Abstract</u> : Academic Achievement in Youth with Noonan Syndrome, Spectrum, and Related Disorders	Sara Pardej, PhD / Stanford University School of Medicine	10m	11:50-12:00pm
<u>Selected Abstract</u> : Sleep Disorders and their Management in Patients with RASopathies	Nicole Weaver, MD/ Cincinnati Children's Hospital Medical Center	10m	12:00-12:10pm
<u>Selected Abstract</u> : Molecular and circuit mechanisms of visual hypersensitivity in mice modeling NF1	J. Elliott Robinson, MD PhD / Cincinnati Children's Hospital Medical Center	10m	12:10-12:20pm



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SATURDAY Lunch and Poster Session Redux: PORTICO EAST	1h30m	12:20-1:50pm
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III-Systems 3: Cardiovascular and Lymphatic Function: PALM ROOM			
<i>Moderator: *Bruce D. Gelb, MD / Mount Sinai</i>			
Family perspective	Tammy Bowers / Noonan Syndrome Foundation	10m	2:05-2:15pm
Novel mechanisms of PTPN11 signaling in Noonan syndrome	Anton Bennett, PhD / Yale School of Medicine	20m	2:15-2:35pm
Outcomes of MEKi treatment for cardiac and lymphatic complications	Kathryn Chatfield, MD, PhD / CU Anschutz, Children's Hospital Colorado	20m	2:35-2:55pm
Precision medicine for RASopathy vascular anomalies	Sarah E. Sheppard , MD, PhD, MSTR / NICHD	20m	2:55-3:15pm
ESI Selected Abstract: Mitochondrial Dysfunction in Costello Syndrome: Uncovering Potential Therapeutic Approaches for RASopathies	Cristina Nuevo-Tapioles, PhD / NYU Grossman School of Medicine	10m	3:15-3:25pm
Break		30m	3:25-3:55pm

IV-RASopathies Genetics: PALM ROOM			
<i>Moderator: Karen Gripp, MD / Nemours</i>			
Family perspective	Chuck Lawson, Father of son with HINCONS	10m	3:55-4:05pm
Paternal age effects and selfish spermatogonial selection	Anne Goriely, PhD / Oxford	20m	4:05-4:25pm
Prenatal RASopathies: diagnostic yields, genotype-phenotype correlations, and recommendations for testing	Alessandro De Luca, PhD / IRCSS-Fondazione Casa Sollievo della Sofferenza	20m	4:25-4:45pm
Evolving genetic landscape of RASopathies	Marco Tartaglia, PhD / Ospedale Pediatrico Bambino Gesù	20m	4:45-5:05pm
ESI Selected Abstract: Genetic activation of ERK2 produces a unique neurodevelopmental phenotype that recapitulates core clinical features of MAPK1-related Rasopathy	Kassidy Grover / Cincinnati Children's; University of Cincinnati College of Medicine	10m	5:05-5:15pm
Free Time		1h15	5:15-6:30pm

SATURDAY Networking Dinner: LA COQUINA	2h	6:30-8:30pm
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SUNDAY Breakfast: PORTICO EAST	1h	7:00am
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V-Predisposition to Malignancy: PALM ROOM			
<i>Moderator: Marielle Yohe, MD, PhD / NCI</i>			
Family perspective	TBD	10m	8:00-8:10am
T cell involvement in NF1 tumorigenesis	Nancy Ratner, PhD / Cincinnati Children's	20m	8:10-8:30am
Natural History of Non-NF1 RASopathies	Gina Ney , MD, PhD / CGB DCEG, NCI	20m	8:30-8:50am
Cancer in Costello syndrome	Doug Stewart, MD / CGB DCEG, NCI	20m	8:50-9:10am
Melanocytic Nevi and Melanoma	Maija Kiuru, MD, PhD / UC Davis	20m	9:10-9:30am
Selected Abstract	TBD	20m	9:30-9:50am
ESI Selected Abstract	Awardee	10m	9:50-10:00am
Break		15m	10:00-10:15am



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VI-Therapeutic Pipeline: PALM ROOM

Moderator: Pau Castel, PhD / NYU Langone

Keynote 2:	Frank McCormick, PhD, FRS / UCSF	45m	10:15-11:00am
Outlook for MEKi trial for Ras-associated HCM	*Bruce D. Gelb, MD / Mount Sinai	20m	11:00-11:20am
<u>Panel</u> : Industry POV & Pipelines	Saskia Brachmann, PhD (Novartis), Matt Traylor, PhD (Think Bioscience)	50m	11:20am- 12:10pm
Discussion	McCormick, Blakely, Gelb, Industry Reps	35m	12:10-12:45pm
Closing Remarks	Pau Castel, Tamar Green, Beth Stronach, Lisa Schoyer	5m	12:45pm

Post Symposium Family Meet-ups:

SUNDAY Symposium Summary Sessions: REGENCY HALL 1, 2, 3		1pm-
for CFC Families - Hosted by CFC International	Rene Pierpont, Suma Shankar	
for CS Families - Hosted by Costello Syndrome Family Network (CSFN)	David Stevenson, Karen Gripp	
for NS, NSML, NSLAH Families - Hosted by Noonan Syndrome Foundation (NSF)	Bruce Gelb	

* = Penn Orphan Disease Center's Million Dollar Bike Ride RASopathies Research Grant Awardee;

bold = Early stage investigator / Trainee

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