



# 2025 Flux Congress

The Society for Developmental Cognitive Neuroscience

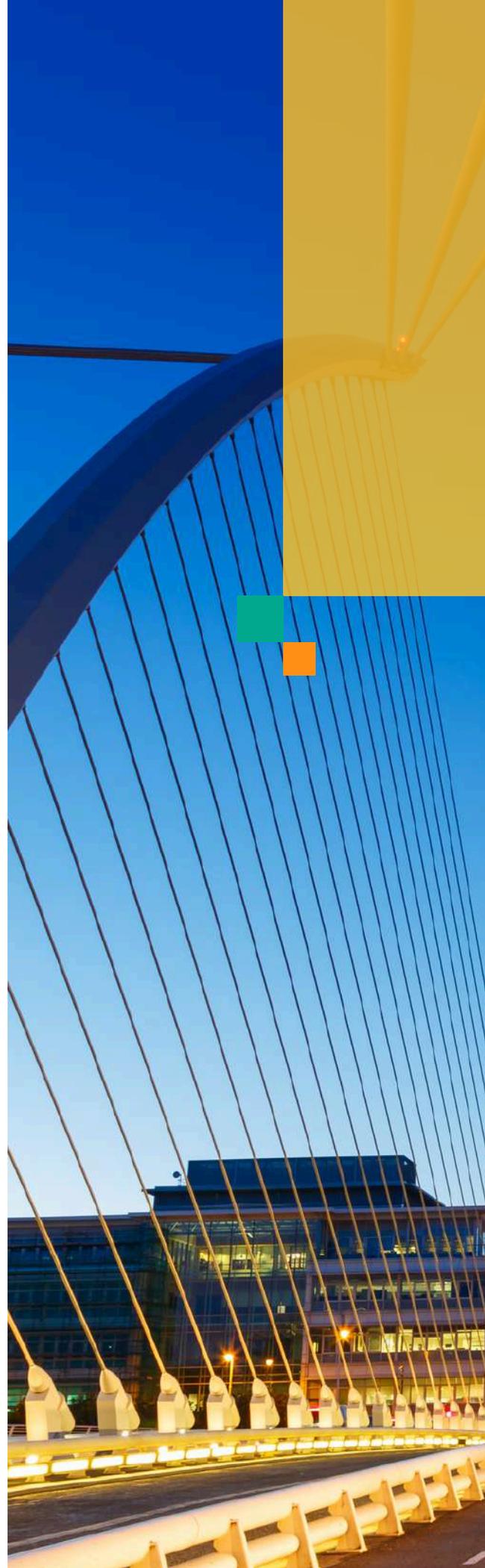
Dublin, Ireland

Dublin Royal Convention Centre

03 September 2025 Pre-Conference Workshops

04-06 September 2025 - FLUX Congress

## PROGRAM BOOK



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## About the Flux Congress

The aim of the congress is to provide a forum for developmental cognitive neuroscientists to share their findings on the development of brain processes that support cognition and motivation from an integrative neuroscience perspective. Thus, it provides an opportunity for scientists in the field to expand their knowledge base, and also be better informed of translational approaches.

The Flux Society was launched in June 2014, and has seen growth in its membership each year. To learn more about the Flux Society, please visit [www.fluxsociety.org](http://www.fluxsociety.org).



# Welcome to the 13th Annual Flux Congress

Dear Fluxers,

Welcome to the 13th Flux Congress of the Society for Developmental Cognitive Neuroscience in beautiful Dublin, Ireland! In a time when global challenges attempt to reshape the scientific landscape, Flux remains a thriving and welcoming home for researchers across the world. We come together not only to share science—but to build a community that endures.

As of June 2025, we are thrilled to welcome a growing and vibrant community of over 450 registrants from almost 30 countries committed to the mission of the Flux Society. We owe heartfelt thanks to our **2025 Program Chairs**, **Xiaoqian Chai** (McGill University, Canada) and **Andrew Lynn** (University of Louisville, United States of America), and the entire **2025 Scientific Program Committee** for assembling an exceptional scientific program. This year's Congress features a rich offering of symposia, award lectures, flash talks, and poster sessions, reflecting the strength and breadth of our community's work in developmental cognitive neuroscience.

We are honored to recognize outstanding contributions through our prestigious awards:

- The **2025 Huttenlocher Award** will be presented to **Sarah-Jayne Blakemore** (University of Cambridge, United Kingdom) for her transformative work on the development of social cognition and decision making in the human adolescent brain, and adolescent mental health
- The **Linda Spear Mid-Career Award** goes to **Margaret Sheridan** (University of North Carolina, Chapel Hill, United States of America), whose research continues to shape our understanding of developmental neuroscience in children and adolescents.
- **Carolina Makoski** (University of California, San Diego, United States), this year's **Young Investigator Awardee**, represents the future of the field with groundbreaking contributions and promise.
- Congratulations to the **2025 Dissertation Award winner**, **Lucinda Sisk** (Yale University, United States), whose research is already making a significant impact.

The **Jacobs Science of Learning (SOL) Symposium** will once again spotlight cutting-edge research, continuing our tradition of connecting Flux research with real-world implications for human learning and policy. We extend our gratitude to the Jacobs Foundation for their continued support.

This year's **pre-conference workshops** offer deep dives into advanced methodologies and challenges in the field, including:

- Causal Inference in Development Using DevMSMs R Package with Longitudinal Data,
- Designing Investigator-Led Studies in the Era of Big Data,
- Choosing the Right Tools: An Interactive and Expert-Led Training on Using EEG, and/or fNIRS for Studying Group Dynamics.
- Overcoming Challenges and Dilemmas in Open Science

The **Flux Trainee Committee**, under the leadership of Co-Chairs **Niamh MacSweeney** (University of Oslo, Norway), **Phoebe Thompson** (Child Mind Institute, United States), and **Simone Dobbelaar** (Leiden University, The Netherlands), continues to champion future generations. This year's **Career Perspectives Panel** and **Grant Writing Workshop** are joined by mentoring events and the **Trainee Lunch**, providing essential networking opportunities.

We also celebrate cultural engagement through Experience Dublin: Cultural Experience Night, offering attendees an unforgettable evening of local music, food, and camaraderie.

# Welcome to the 13th Annual Flux Congress

Our gratitude goes out to the **2025 Local Organizing Committee**, led by **Rhodri Cusack** (Trinity College Dublin, Ireland), for their tireless efforts in managing logistics and showcasing Dublin's vibrant character. Thanks also to the **Flux Diversity, Inclusion, and Belonging Committee**, the **Communications Committee**, and our growing number of **Affinity Groups** that continue to enhance the inclusivity and reach of our Society.

We especially thank our sponsors and exhibitors, whose generous support makes this Congress possible. Please visit their booths and express your appreciation.

A reminder that Flux represents our unique focus on the dynamic nature of cognitive, affective and social development. We encourage you to visit our **job bank**, explore the **Flux Podcast**, and connect with colleagues both old and new.

In every talk, poster, and hallway conversation, we hope you find the inspiration and connection that define our society. We hope you leave inspired, enriched, and ready to take the next step in advancing developmental cognitive neuroscience.

Tag us @FluxSociety and use **#Flux2025** in your posts to share your experience.



Warmest regards,

**Eveline Crone**

President, Flux Society  
Erasmus University Rotterdam,  
Netherlands



# General Information

## Meeting Venue:

The Dublin Royal Convention Centre  
One Le Pole Square, Ship Street Great  
Dublin 8, D08 E6PD  
Ireland

All educational congress sessions will take place at the Convention Center, including the Trainee Luncheon. The Experience Dublin: Cultural Experience Night will take place at an offsite venue.

## Registration:

Congress registration fees include access to all sessions including, the Explore Dublin: Cultural Experience Night, speaker presentations, coffee breaks, lunch, and poster sessions.

## Name Badges:

Your name badge is your admission ticket to all conference sessions and coffee breaks. Please wear it at all times.

## Registration & Information Desk Hours:

The Registration and Information Desk, located on the first floor, will be open during the following dates and times:

- Wednesday, 03 September: 2:30 PM - 6:00 PM
- Thursday, 04 September: 8:00 AM - 5:30 PM
- Friday, 05 September: 8:00 AM - 7:00 PM
- Saturday, 06 September: 8:00 AM - 4:00 PM

If you need assistance during the meeting, please visit the Registration Desk.

## Staff:

Congress staff from Parthenon Management Group can be identified by their kelly green shirts, and Flux Society name badges. For immediate assistance, please visit the registration desk.

## Internet Services:

Wireless Internet is available to all Congress attendees at no charge. *Kindly note* the Wi-Fi strength is ideal for checking emails and website but is not strong enough for streaming videos or heavy social media use.

If you are active on social media, make sure to hashtag #FLUX2025 and tag @FluxSociety when referring to the meeting. We ask all Flux Congress Attendees to respect no live tweeting of presentations without prior approval from the speakers and authors. We encourage social tweets about the conference and look forward to growing our online community.

## Poster Information Set-Up/Removal:

There are three Poster Sessions during the Congress and posters have been allocated to one of the sessions. **Poster presenters must set up and remove their posters during the following times.**

### Poster Session I - Thursday, 04 September

- Poster Set-Up: 12:00 PM - 12:00 PM
- Poster Gallery Open: 12:00 PM - 4:30 PM
- Poster Presentations: 4:30 PM - 6:00 PM
- Removal: By 6:30 PM

### Poster Session II - Friday, 05 September

- Poster Set-Up: 8:00 AM - 12:00 PM
- Poster Gallery Open: 12:00 PM - 4:30 PM
- Poster Presentations: 4:30 PM - 6:00 PM
- Removal: By 6:30 PM

### Poster Session III - Saturday, 06 September

- Poster Set-Up: 8:00 AM - 10:00 AM
- Poster Presentations: 10:15 AM - 11:45 AM
- Removal: By 12:30 PM

## Flux Social Functions:

### Explore Dublin: Cultural Experience Night

This event will take place on Thursday, 04 September at beginning at 6:30 PM. Location is still to be announced. **While this event is complimentary, preregistration and a ticket will be required.**

Enjoy an evening of food, drinks, music, and networking opportunities in a relaxed setting to connect with fellow attendees.

## Trainee Lunch:

This event will occur on Thursday, 04 September and will be held at the Dublin Convention Centre in the Higgins Suite. **While this event is complimentary, preregistration and a ticket will be required.**

## Flux Congress App:

Stay connected and organized with the Flux Congress App! Access speaker information, interactive maps, session submissions, e-Posters, poster schedules, and much more in one convenient place. Search "Flux Conference" in the app store to download.

# Program At A Glance

## WEDNESDAY, 03 SEPTEMBER, 2025

### 9:00 AM - 1:00 PM | Pre-Conference Workshops

- *Causal Inference in Development: A Workshop for Using the DevMSMs R Package With Longitudinal Data*
- *Designing Investigator-Led Studies in the Era of Big Data*

### 1:30 PM - 5:15 PM | Pre-Conference Workshops

- *Choosing the Right Tools: An Interactive and Expert-Led Training on Using EEG and/or fNIRS for Studying Group Dynamics*
- *Overcoming Challenges and Dilemmas in Open Science*

### 4:00 PM - 7:00 PM | Board of Directors Meeting

### 5:30 PM - 6:20 PM | Flux Trainee Workshop I Career Perspectives Panel

### 6:30 PM - 7:20 PM | Flux Trainee Workshop II Grant Writing Panel

## THURSDAY, 04 SEPTEMBER, 2025

### 9:00 AM - 9:30 AM | Opening Ceremonies

### 9:30 AM - 10:45 AM | Jacob's Foundation Science of Learning Symposium

### 10:45 AM - 11:15 AM | Break

### 11:15 AM - 11:30 AM | Dissertation Award Symposium

### 11:30 AM - 12:00 PM | Young Investigator Award Symposium

### 12:00 PM - 1:30 PM | Trainee Lunch

### 12:00 PM - 1:30 PM | Lunch

### 1:30 PM - 2:45 PM | Concurrent Symposia

- *Beyond Adolescence: 10 Years of Abcd and the next Critical Phase of Brain and Health Development Research*
- *Insights from Cognitive Neuroscience for Learning & Education*

### 2:45 PM - 3:15 PM | Break

### 3:15 PM - 4:30 PM | Concurrent Symposia

- *Back to Basics: Components & Mechanisms of Memory Development*
- *From Lab to Life: Translating Neuroscientific Insights into Equitable Education and Policy*

### 4:30 PM - 6:00 PM | Poster Session I

### 7:30 PM - 10:00 PM | Experience Dublin: Cultural Experience Night

## FRIDAY, 05 SEPTEMBER, 2025

### 8:45 AM - 9:45 AM | Flash Talks

### 9:45 AM - 10:15 AM | Linda Spear Award Symposium

### 10:15 AM - 10:45 AM | Break

### 10:45 AM - 12:00 PM | Local Symposium

### 12:30 PM - 1:30 PM | DCN Public Policy Luncheon

### 1:45 PM - 2:45 PM | Huttenlocher Award Symposium

### 2:45 PM - 3:15 PM | Break

### 3:15 PM - 4:30 PM | Diversity Symposium

### 4:30 PM - 6:00 PM | Poster Session II

### 6:00 PM - 7:15 PM | Concurrent Symposia

- *Untethering Attention: A Multidisciplinary Examination of Neural Attention Processes in Real-World Contexts*
- *Critical Developmental Transitions for Executive Functions: A Cross Species Perspective from Infancy to Adulthood*

## SATURDAY, 06 SEPTEMBER, 2025

### 8:45 AM - 9:45 AM | Flash Talks

### 9:45 AM - 10:15 AM | Break

### 10:15 AM - 11:45 AM | Poster Session III

### 11:45 AM - 1:15 PM | DCN Journal Editor Meeting

### 11:45 AM - 1:15 PM | Lunch

### 1:15 PM - 2:30 PM | Concurrent Symposia

- *Structural Similarity Networks as a Window into Brain Development and Cognition*
- *Neural Mechanisms of Vision and Visual Attention Across Development*

### 2:30 PM - 3:00 PM | Break

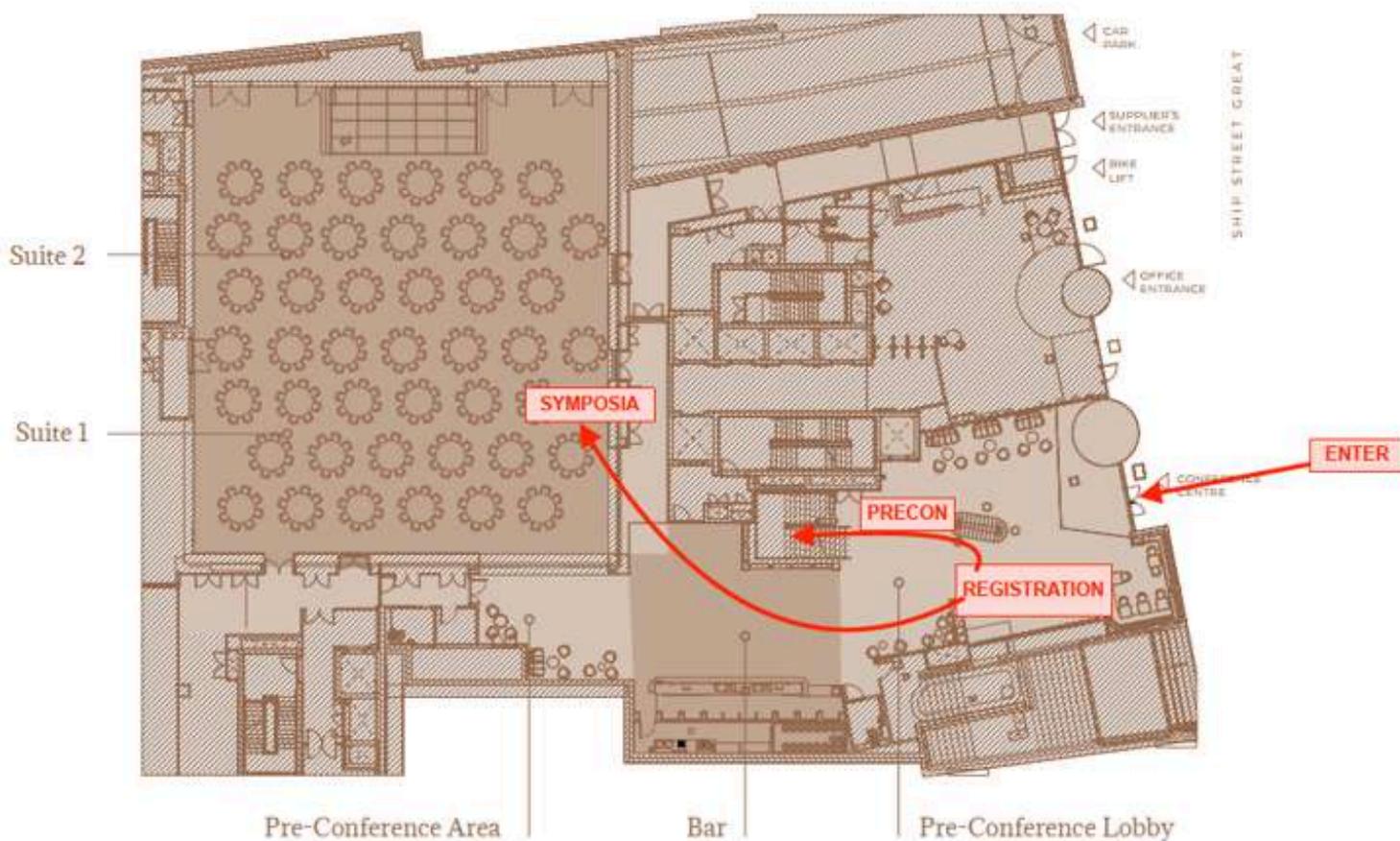
### 3:00 PM - 4:15 PM | Concurrent Symposia

- *Variability and Plasticity in Neurodevelopment in the Context of Stress and Adversity*
- *Is neural synchrony a developmental mechanism? Syncing up synchrony research across species, developmental stages, neuroimaging methods, and populations*
- *Neurobiological Mechanisms Underlying Developmental Plasticity and Vulnerability of Cortico-Mesolimbic Circuits in Adolescence: A Cross-Species Perspective*

### 4:15 PM - 4:45 PM | Closing Ceremony

# Congress Hotel Map

## Convention Centre Lower Ground Level



# Flux Leadership



**Eveline Crone**

**President**  
Erasmus University Rotterdam  
Netherlands



**Deanna Barch**

**Vice President**  
Washington University at St. Louis  
United States



**Damien Fair**

**Past President**  
University of Minnesota  
United States



**Margaret Sheridan**

**Treasurer**  
University of North Carolina  
at Chapel Hill  
United States



**Jennifer Pfeifer**

**Secretary**  
University of Oregon  
United States



**Tzipi Horowitz-Kraus**

**Executive Chair for  
Education & Communication**  
Technion  
Israel



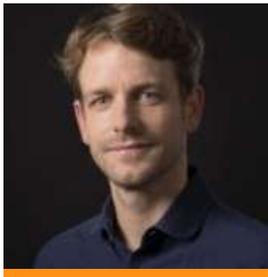
**Lucina Uddin**

**Director-at-Large**  
University of California, Los Angeles  
United States



**Christian K. Tamnes**

**Director-at-Large**  
University of Oslo  
Norway



**Nikolaus Steinbeis**

**Director-at-Large**  
University College London  
United Kingdom



**Nim Tottenham**

**Director-at-Large**  
Columbia University  
United States



**Barbara Braams**

**Director-at-Large**  
Vrije Universiteit Amsterdam  
Netherlands



**Jessica Cohen**

**Director-at-Large**  
University of North Carolina  
at Chapel Hill  
United States



**Niamh MacSweeney**

**Student/Trainee Committee  
Representative**  
University of Oslo  
Norway



**Phoebe Thomson**

**Student/Trainee Committee  
Representative**  
Child Mind Institute  
United States



**Simone Dobbelaar**

**Student/Trainee Committee  
Representative**  
Leiden University  
Netherlands

# Flux Awards

## Huttenlocher Lecturer Award

*This award is presented to an outstanding researcher in the field of Developmental Cognitive Neuroscience.*



**Sarah-Jayne Blakemore,**  
FBA, FMedSci, FRS  
University of Cambridge

Dr. Sarah-Jayne Blakemore FBA FMedSci FRS is Professor of Psychology and Cognitive Neuroscience at the University of Cambridge, and leader of the Developmental Cognitive Neuroscience Group. Her group's research focuses on the development of social cognition and decision making in the human adolescent brain, and adolescent mental health. You can read more about the group and their research [here](#).

Professor Blakemore has been awarded several national and international prizes for her research. She is an Honorary Fellow of St John's College, Oxford, and a Fellow of the British Academy, the American Association of Psychological Science, the Academy of Medical Sciences and the Royal Society.



# Flux Awards

## Linda Spear Mid-Career Award

*The Mid-Career Award in Developmental Cognitive Neuroscience is named in honor of Dr. Linda Spear, a pioneer in developmental neuroscience. This award recognizes outstanding contributions by scientists at the mid-level of their careers.*



**Margaret Sheridan, PhD**  
University of North  
Carolina at Chapel Hill

Dr. Sheridan attended graduate school at the University of California, Berkeley, where she investigated function of the prefrontal cortex in children with and without exposure to poverty and ADHD. Next, as a Robert Wood Johnson Health and Society Scholar at the Harvard School of Public Health, she examined adversity exposure, poverty, and social inequality as determinants of health in collaboration with a wide variety of scholars in other social science disciplines. Subsequently, as an assistant professor at Harvard Medical School she established a lab examining the association of brain development with adversity exposures such as institutionalization, maltreatment, and poverty.

In 2015, she joined the department of Psychology and Neuroscience at the University of North Carolina, Chapel Hill where her primary research agenda is to identify how and when early adverse experiences come to enhance risk for psychopathology through their impact on neural development. Together with her colleague, Kate McLaughlin, she developed the Dimensional Model of Adversity and Psychopathology (DMAP) which posits different pathways for the impact of specific types of adversity on neural structure and function. Dr. Sheridan has over 170 publications and is the PI and co-PI on multiple cross-sectional and longitudinal investigations of the impact of adversity on neurocognitive processes funded by the NIH. For the last 20 years, since her earliest work in graduate school, she has used neuroimaging to study neural function and structure in childhood and adolescence and longitudinally across development. She published some of the first studies examining neural correlates of cognitive control in children with psychopathology and exposure to adversity. Dr. Sheridan's research has featured in the media, including the New York Times and Wall Street Journal and she is routinely an invited speaker at national and international conferences.



# Flux Awards

## Young Investigator Award

*The Young Investigator Award in Cognitive Neuroscience recognizes outstanding contributions by scientists early in their careers. Award recipients have been working in the area of cognitive neuroscience for no more than 10 years involved in active independent research.*



**Carolina Makowski**  
University of California, San Diego

Dr. Carolina Makowski is an Assistant Professor in the Department of Psychiatry at the University of California San Diego (UCSD). She earned her BSc in Psychology and PhD in Neuroscience from McGill University, and completed her postdoctoral training in UCSD's Department of Radiology. Her research bridges multiple scales of neuroscience to better understand the development of adolescent psychiatric disorders. She has a vested interest in identifying neurobiologically-informed predictive markers of eating disorders (e.g., through integration of multimodal MRI, genetics, and temperament) to meaningfully improve treatments for patients. Dr. Makowski's research has been supported by the National Institutes of Mental Health, Brain Behavior Foundation, Kavli Institute for Brain and Mind, and by Canadian federal (Canadian Institutes of Health Research) and provincial (Fonds de Recherche du Quebec- Santé) funding mechanisms. Dr. Makowski is also an investigator within the Adolescent Brain Cognitive Development (ABCD) Study Consortium, where she co-chairs the Professional Development Workgroup and is a member of the Image Analysis Workgroup. She has served in leadership and mentorship roles across multiple organizations, including the Organization for Human Brain Mapping, Flux Society, and UCSD's Postdoctoral Teaching Group.

## Flux Dissertation Award

*The Flux Dissertation Award recognizes an exceptional, rigorous, and meticulous dissertation by one of the Congress' trainee members.*



**Lucinda Sisk, PhD Candidate**  
Yale University

Dr. Lucinda Sisk completed her Ph.D. at Yale University under the mentorship of Dr. Dylan Gee and will be joining Dr. Theodore Satterthwaite's lab at the University of Pennsylvania as a postdoctoral fellow. Her research focuses on how the childhood environment shapes neurodevelopment and contributes to heterogeneity in risk for and resilience against psychopathology. Her dissertation research examined how the developmental timing of adversity exposure may uniquely inform individual differences in neural structure and function as well as mental health. Prior to graduate school, she worked as a research coordinator at Stanford University. She received her B.A. in Biology from Whitman College.



# About Flux

## History

Founded in 2013, the Flux Society was created to foster a collaborative community for scientists focused on the development of brain processes supporting cognition and motivation. The inaugural Flux Congress in Pittsburgh, Pennsylvania, established the annual event as a cornerstone for presenting cutting-edge research and networking.

Over the years, Flux has expanded its initiatives to include mentorship programs, outreach activities, and awards recognizing outstanding contributions to the field. Committed to diversity, inclusion, and belonging, the society continues to support its members and advance developmental cognitive neuroscience through innovative research and vibrant community engagement.

## Purpose

The Flux Society's purpose is to advance the understanding of human brain development by serving as a forum for professional and student scientists, physicians, and educators to:

- foster/provide a scientific venue that promotes integration across levels of investigation
- exchange information and educate the next generation of developmental cognitive neuroscience researchers;
- make widely available (perhaps “disseminate” scientific research findings on brain development;
- encourage translational research to clinical populations;
- promote public information by discussing implications on the fields of education, health, juvenile law, parenting, and mental health, and
- encourage further progress in the field of developmental cognitive neuroscience.



Platinum Sponsor



Our Promise to Youth

# THANK YOU

## to Our Sponsors

Gold Sponsor



Silver Sponsor



Bronze Sponsor

- Artinis Medical Systems
- Dublin City University
- Elsevier & The Journal of Developmental Cognitive Neuroscience
- MBrainTrain
- Optoacoustics
- TracInnovations
- Trinity College
- University College Dublin

# Flux Congress Program Schedule

## Wednesday, 3 September, 2025

9:00 AM - 1:00 PM

Higgins Suite

### Pre-Conference Workshop I

**Causal Inference in Development: A Workshop for Using devMSMs R Package with Longitudinal Data**

Presenters: **Isabella Stallworthy, PhD**, University of Pennsylvania  
**Meriah DeJoseph, PhD**, Stanford University

Robinson Suite

### Pre-Conference Workshop II

**Designing Investigator-Led Studies in the Era of Big Data**

Presenters: **Silvia Bunge, PhD**, University of California, Berkeley  
**Leah Somerville, PhD**, Harvard University  
**Bruce McCandliss, PhD**, Stanford University  
**Kate Watkins, PhD**, Oxford University  
**Gregoire Borst, PhD, HDR**, Universite Paris Cite  
**Arielle Keller, PhD**, University of Connecticut  
**M. Catalina Camacho, PhD**, Washington University in St. Louis  
**Joao Guassi Moreira, PhD**, University of Wisconsin, Madison  
**Sophia Vinci-Booher, PhD**, Vanderbilt University

1:30 PM - 5:15 PM

Robinson Suite

### Pre-Conference Workshop III

**Overcoming Challenges and Dilemmas in Open Science**

Presenters: **Marjolein Barendse, PhD**, Erasmus Medical Centre  
**Lisanne van Houtum, PhD**, Erasmus Medical Centre

Higgins Suite

### Pre-Conference Workshop IV

**Choosing the Right Tools: An Interactive and Expert-Led Training on Using EEG and/or fNIRS for Studying Group Dynamics**

Presenters: **Daphne van der Putte, MS**, Artinis Medical Systems  
**Pascal Vrticka, PhD**, University of Essex  
**Alejandro Lopez Valdes, PhD**, Trinity College Dublin  
**Giovanni Di Liberto, PhD**, Trinity College Dublin  
**Shane O'Mara, DPhil, FTCD, FAPS, MRIA**, Trinity College Dublin  
**Ricky Chmitorz, MS**, University of Essex  
**Laura Mteweale, MS**, University of Essex

4:00 PM - 7:00 PM

Sky Suite

### Flux Board of Directors Meeting (By Invitation Only)

5:30 PM - 6:20 PM

Higgins Suite

### Flux Trainee Workshop I

**Career Perspectives Panel**

Moderator: **Amanda Boyes, PhD**, University of the Sunshine Coast; Deakin University  
Panelists: **Arielle Keller, PhD**, University of Connecticut  
**Divyangana Rakesh, PhD**, King's College London  
**Tracy Riggins, PhD**, University of Maryland, College Park  
**David Weissman, PhD**, California State University, Dominguez Hills

6:30 PM - 7:20 PM

Higgins Suite

### Flux Trainee Workshop II

**Grant Writing Panel**

Panelists: **Kathryn Bates, PhD**, King's College London  
**Robin Nusslock, PhD**, Northwestern University  
**Robert Whelan, PhD**, Trinity College Dublin  
**Sarah Whittle, PhD**, The University of Melbourne

7:00 PM - 9:00 PM

### Huttenlocher Award Dinner (By Invitation Only)

# Flux Congress Program Schedule

## Thursday, 4 September, 2025

- 9:00 AM - 9:30 AM**      **Opening Ceremonies**  
Hyde Suite 1 & 2
- 9:30 AM - 10:45 AM**      **Science of Learning Symposium**  
Hyde Suite 1 & 2  
Sponsored by:  
 **JACOB'S FOUNDATION**  
Our Promise to Youth  
Science of Learning Symposium  
Chair: **Julia Moser, PhD**, University of Minnesota  
Presenters: **Amy Lightbody, PhD**, Stanford University  
**Ivy Kesewaa Nkrumah, PhD**, University of Cape Coast  
**Tzipi Horowitz-Kraus, PhD**, Technion-Israel Institute of Technology  
**Sebastian Lipina, PhD**, Unidad de Neurobiología Aplicada
- 10:45 AM - 11:15 AM**      **Break**  
Pre-function space (Lower Ground Floor)
- 11:15 AM - 11:30 AM**      **Dissertation Award Talk**  
Hyde Suite 1 & 2  
Neurodevelopment Under Stress: How Adversity Timing and Neural Maturation Contribute to Variability in Mental Health  
Presenter: **Lucinda Sisk, PhD**, Yale University
- 11:30 AM - 12:00 PM**      **Young Investigator Award Talk**  
Hyde Suite 1 & 2  
Sponsored by:  
 **Kennedy Krieger**  
Building Bridges Through Multi-Scale Neuroscience and Collaborations to Map Adolescent Development  
Presenter: **Carolina Makowski, PhD**, University of California, San Diego
- 12:00 PM - 1:30 PM**      **Lunch**
- 12:00 PM - 1:10 PM**      **Trainee Lunch (Ticketed Event)**  
Hyde Suite 1 & 2
- 1:30 PM - 2:45 PM**      **Symposium I**  
Hyde Suite 1  
Beyond Adolescence: 10 Years of ABCD and the Next Critical Phase of Brain and Health Development Research  
Chair: **Susan Tapert, PhD**, University of California, San Diego  
Moderator: **Hugh Garavan, PhD**, University of Vermont  
Presenters: **Deanna Barch, PhD**, Washington University  
**Lucina Uddin, PhD**, University of California, Los Angeles  
**Brenden Tervo-Clemmens, PhD**, University of Minnesota

# Flux Congress Program Schedule

## Thursday, 4 September, 2025

**1:30 PM - 2:45 PM**

Hyde Suite 2

### Symposium II

**Insights from Cognitive Neuroscience for Learning & Education**

Chair: **Catherine Lebel, PhD**, University of Calgary

Presenters: **Sophia Vinci-Booher, PhD**, Vanderbilt University

**Michael Skeide, PhD**, Max Planck Institute

**Bruce McCandliss, PhD**, Stanford University

**Rachael Elward, PhD**, London South Bank University

**2:45 PM - 3:15 PM**

### Break

Pre-function space (Lower Ground Floor)

**3:15 PM - 4:30 PM**

Hyde Suite 1

### Symposium III

**Back to Basics: Components & Mechanisms of Memory Development**

Chair: **Tracy Riggins, PhD**, University of Maryland

Moderator: **Tracy Riggins, PhD**, University of Maryland

Presenters: **Tristan Yates, PhD**, Columbia University

**Tracy Riggins, PhD**, University of Maryland

**Lena Skalaban, PhD**, University of Oregon

**Paul Frankland, PhD**, University of Toronto/Hospital for Sick Children

Hyde Suite 2

### Symposium IV

**From Lab to Life: Translating Neuroscientific Insights into Equitable Education and Policy**

Chair: **Julie Schneider, PhD**, University of California, Los Angeles

Moderator: **Jennie Grammer, PhD**, University of California, Los Angeles

Presenters: **Dylan Gee, PhD**, Yale University

**Jason Yeatman, PhD**, Stanford University

**Adam Green, PhD**, Georgetown University

**Julie Schneider, PhD**, University of California, Los Angeles

**4:30 PM - 6:00 PM**

Goldsmith Hall

### Poster Session I

**7:30 PM - 10:00 PM**

The Grand Social

### Experience Dublin: Cultural Night Experience



# Flux Congress Program Schedule

## Friday, 5 September, 2025

8:45 AM - 9:45 AM

Hyde Suite 1 & 2

### Flash Talks

Presenters: **Sarah Chang, PhD**, University of California, San Diego

**Alexa Mousley, BA**, University of Cambridge

**Hope Peterson-Sockwell, PhD**, University of North Carolina at Chapel Hill

**Pravesh Parekh, PhD**, University of Oslo

**Sarah Power, PhD**, Center for Lifespan Psychology Max Planck Institute for Human Development

**Julie Schneider, PhD**, University of California, Los Angeles

**Shaina Brady, MS**, Boston University

**Patricia Hoyos, BS**, Princeton University

**Jack David, BS**, University of North Carolina at Chapel Hill

**Shane McKeon, PhD**, University of Pittsburgh

**Yee Lee Shing, PhD**, Goethe University Frankfurt



9:45 AM - 10:15 AM

Hyde Suite 1 & 2

### Linda Spear Mid-Career Award Talk

**The Long Reach of Early Childhood Adversity and Developmental Plasticity: Conceptual Models, Current Evidence, and Future Directions**

Presenter: **Margaret Sheridan, PhD**, University of North Carolina at Chapel Hill

10:15 AM - 10:45 AM

### Break

Pre-function space (Lower Ground Floor)

10:45 AM - 12:00 PM

Hyde Suite 1 & 2

### Local Symposium

**Rethinking Neurodevelopment: From Novel Mechanisms to Real World Opportunities**

Chair: **Hugh Garavan, PhD**, University of Vermont

Presenters: **Robert Whelan, PhD**, Trinity College Dublin

**John Cryan, PhD**, University College Cork

**Kirsten Donald, MD, PhD**, University of Cape Town

Sponsored by:

Trinity College Dublin

12:00 PM - 12:30 PM

### Lunch Service Begins

Hyde Suite 1 & 2

12:30 PM - 1:30 PM

Hyde Suite 1 & 2

### DCN Public Policy Luncheon

**Digital Technology as a Neurodevelopmental Context**

Chair: **Julia Moser, PhD**, University of Minnesota

Panelists: **Wouter van den Bos, PhD**, University of Amsterdam

**James O'Higgins Norman, PC, OStJ, FRSA**, DCU Institute of Education; UNESCO Chair on Bullying & Cyberbullying

**Ciara Pidgeon, MPH**, Department of Children, Disability, & Equality, Ireland

Sponsored by:

Dublin City University

1:45 PM - 2:45 PM

Hyde Suite 1 & 2

### Huttenlocher Award Talk

**Inside the Adolescent Brain: What Developmental Science Reveals and Why It Matters for Society**

Presenter: **Sarah-Jayne Blakemore, PhD, FBA, FMedSci, FRS**, University of Cambridge

# Flux Congress Program Schedule

## Friday, 5 September, 2025

**2:45 PM - 3:15 PM**      **Break**  
Pre-function space (Lower Ground Floor)

**3:15 PM - 4:30 PM**      **Diversity Symposium**  
**Hyde Suite 1 & 2**      **Supporting Science in Challenging Times**  
Presenter: **Christina Pagel, PhD**, University College London

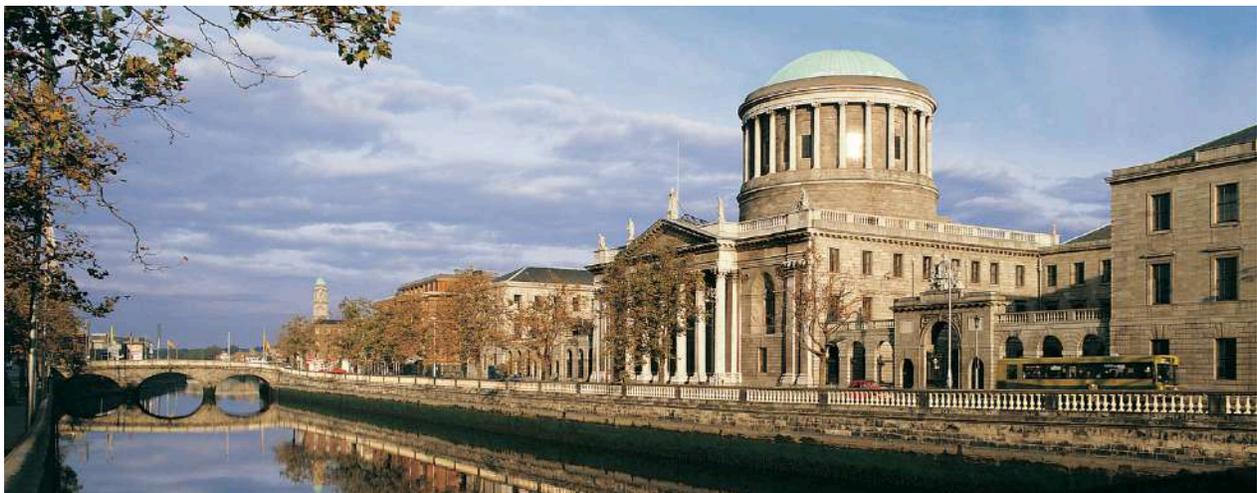
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**4:30 PM - 6:00 PM**      **Poster Session II**  
**Goldsmith Hall**

**6:00 PM - 7:15 PM**      **Symposium V**  
**Hyde Suite 2**      **Critical Developmental Transitions for Executive Functions: A Cross Species Perspective from Infancy to Adulthood**  
Chairs: **Yana Fandakova, PhD**, University of Trier  
**Ashley Parr, PhD**, University of Pittsburgh  
Presenters: **Abigail Fiske, DPhil**, Lancaster University  
**Christian Tamnes, PhD**, Oslo University  
**Alex Weigard, PhD**, University of Michigan  
**Kevin Mastro, PhD**, Harvard University

**Hyde Suite 1**      **Symposium VI**  
**Untethering Attention: A Multidisciplinary Examination of Neural Attention Processes in Real-World Contexts**  
Chair: **Ori Ossmy, PhD**, Birkbeck, University of London  
Moderator: **Natalie Brito, PhD**, New York University  
Presenters: **Giulia Serino, MSc**, Centre for Brain & Cognitive Development, Birkbeck, University of London  
**Ira Marriott Haresign, PhD**, University of East London  
**Denise Werchan, PhD**, New York University, School of Medicine



# Flux Congress Program Schedule

## Saturday, 6 September, 2025

**8:45 AM - 9:45 AM**

Hyde Suite 1 & 2



### Flash Talks

Presenters: **Holly Sullivan-Toole, PhD**, University of Minnesota Medical School

**Abigail Beatty, BS**, University of Pittsburgh

**Lea Michel, MS**, Donders Institute for Brain, Cognition and Behavior

**Martin Gell, PhD**, University of Minnesota

**Sofia Scatolin, MSc**, Jacobs Center for Productive Youth Development

**Diliana Pecheva, PhD**, J. Craig Venter Institute

**Madeleine Moses-Payne, PhD**, University College London

**Ying He, PhD**, McGill University

**Jordan Foster, MS**, Yale University

**Lucinda Sisk, PhD**, Yale University

**9:45 AM - 10:15 AM**

### Break

Pre-function space (Lower Ground Floor)

**10:15 AM - 11:45 AM**

### Poster Session III

Goldsmith Hall

**11:45 AM - 1:15 PM**

### Lunch

**11:45 AM - 1:15 PM**

### DCN Journal Editor Meeting

Sky Suite

**1:15 PM - 2:30 PM**

### Symposium VII

Hyde Suite 1

**Structural Similarity Networks as a Window Into Brain Development and Cognition**

Chair: **Sarah Morgan, PhD**, King's College London

Moderator: **Lena Dorfschmidt, PhD**, University of Cambridge

Presenters: **Meike Hettwer, MSc**, Max Planck Institute for Human Cognitive and Brain Sciences

**William Snyder, BS**, National Institute of Mental Health

**Daphna Fenchel, PhD**, King's College London

**Rachel Smith, BS**, National Institute of Mental Health

Hyde Suite 2

### Symposium VIII

**Neural Mechanisms of Vision and Visual Attention Across Development**

Chairs: **Maya Rosen, PhD**, Smith College

**Arielle Keller, PhD**, University of Connecticut

Presenters: **Jesse Gomez, PhD**, Princeton University

**Lisa Scott, PhD**, University of Florida

**Gaia Scerif, PhD**, University of Oxford

**Stefanie Hoehl, PhD**, University of Vienna

# Flux Congress Program Schedule

## Saturday, 6 September, 2025

**2:30 PM - 3:00 AM**    **Break**  
Pre-function space (Lower Ground Floor)

**3:00 PM - 4:15 PM**    **Symposium IX**  
**Higgins Suite**  
**Variability and Plasticity in Neurodevelopment in the Context of Stress and Adversity**  
Chair: **Alexis Brieant, PhD**, *University of Vermont*  
Moderator: **Alexis Brieant, PhD**, *University of Vermont*  
Presenters: **Dani Beck, PhD**, *University of Oslo*  
**Natasha Chaku, PhD**, *Indiana University*  
**Max Herzberg, PhD**, *Washington University in St. Louis*

**Hyde Suite 1**    **Symposium X**  
**Is Neural Synchrony a Developmental Mechanism? Syncing Up Synchrony Research Across Species, Developmental Stages, Neuroimaging Methods, and Populations**  
Chairs: **Elizabeth Redcay, PhD**, *University of Maryland*  
Moderator: **Ellen Roche, MA**, *University of Maryland, College Park*  
Presenters: **Pascal Vrticka, PhD**, *University of Essex*  
**Kathryn McNaughton, PhD**, *University of Maryland*  
**Weizhe Hong, PhD**, *University of California, Los Angeles*  
**Ira Marriott Haresign, PhD**, *University of East London*

**Hyde Suite 2**    **Symposium XI**  
**Neurobiological Mechanisms Underlying Developmental Plasticity and Vulnerability of Cortico-Mesolimbic Circuits in Adolescence: A Cross-Species Perspective**  
Chairs: **Ashley Parr, PhD**, *University of Pittsburgh*  
Moderator: **Ashley Parr, PhD**, *University of Pittsburgh*  
Presenters: **Kuei Tseng, MD, PhD**, *University of Illinois Chicago*  
**Cecilia Flores, PhD**, *McGill University*  
**Daniel Petrie, PhD**, *University of Pittsburgh*  
**Angelica Morales, PhD**, *Oregon Health & Science University*

**4:15 PM - 4:45 PM**    **Closing Ceremonies**  
**Hyde Suite 1**

**6:00 PM - 8:00 PM**    **Flux Farewell Reception at Trinity**  
**Trinity College Dining Hall**



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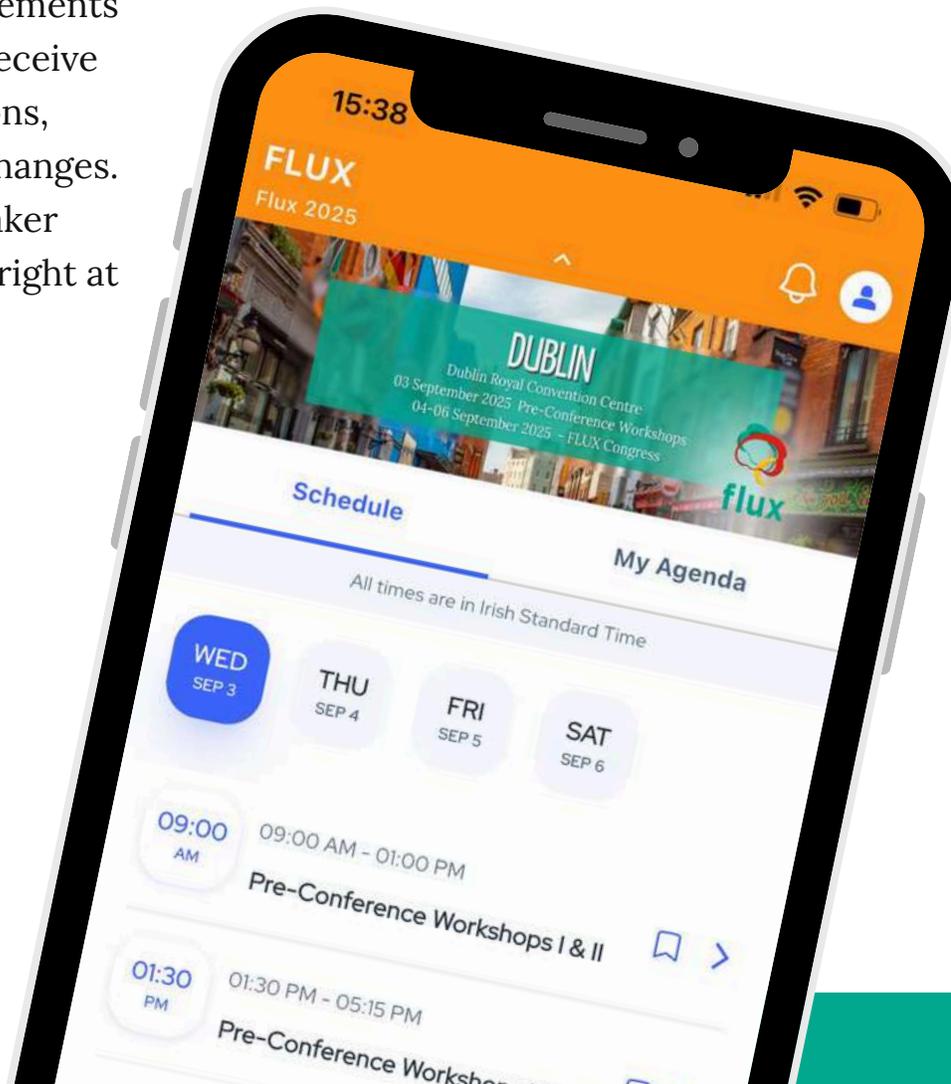
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# Congress FLASH TALK Presentations

FRIDAY 5 SEPTEMBER



## SARAH CHANG

Integrative and Network-Specific Functional Connectivity of the Thalamus and Basal Ganglia Using Precision Functional Mapping in Children



## HOPE PETERSON-SOCKWELL

Adolescent Risk-Taking and ADHD: A Dynamic Imbalance of Cognitive Control and Motivation



## SARAH POWER

Forgotten Beginnings: Studying Infantile Amnesia in Toddlers Through a Naturalistic Learning Paradigm



## SHAINA BRADY

Brain-Body Tradeoff: Growth Trajectory Predicts Developmental Outcomes and EEG Power in Rural South African Toddlers



## SHANE MCKEON

Intrinsic Neural Timescales Decrease Through Adolescence Into Adulthood Supporting Cognitive Development

## ALEXA MOUSLEY

Topological Turning Points Across the Human Lifespan



## PRAVESH PAREKH

Motion Insensitive Resting-State Analysis (MIRA)



## JULIE SCHNEIDER

Seeing Versus Hearing: Investigating the Neural Basis of Word Learning Across Modalities in School-Age Children



## PATRICIA HOYOS

Visuo-Spatial Attention Development is Modulated by Local Computations in the Dorsal Stream



## YEE LEE SHING

Gaze Reinstatement During Naturalistic Viewing and Memory Retrieval in Children, Adults, and Artificial Intelligence Models



# Congress FLASH TALK Presentations

SATURDAY 6 SEPTEMBER



## HOLLY SULLIVAN-TOOLE

Validating an Estimate of Basal Ganglia Tissue Iron From Functional MRI



## LEA MICHEL

The Neural Scars of Adversity: How Do Different Kinds of Adversity Predict the Development of Grey and White Matter Structure in Two Longitudinal Neuroimaging Cohorts?



## SOFIA SCATOLIN

Parent-Child Functional Neural Similarity and Its Association With Child Mental Well-Being



## MADELEINE MOSES-PAYNE

the Impact of Social Value on Momentary Affect, Self-Focussed Attention and Memory in Socially Anxious Adults



## JORDAN FOSTER

Hippocampal Network Predict Change and Coupling in Stress-Related Symptoms and Episodic Memory in Youth

## ABIGAIL BEATTY

Developmental Changes in Neuronal Oscillations Increase SNR Supporting Inhibitory Control From Adolescence Into Adulthood



## MARTIN GELL

Assessing the Stability of Resting State Functional Connectivity for Intensive Longitudinal Designs



## DILIANA PECHEVA

Classification of Preterm Birth Status From MRI Data in Adolescents



## YING HE

Precision Neuroimaging Mapping Reveals Increased Segregation of Subsystems in the Default Mode Network During Child Development



## LUCINDA SISK

Corticolimbic Structure-Function Coupling is Sensitive to Adversity Exposure and Moderates Associations With Clinical Symptoms Across Development



# Scientific Program Committee Members

**Program Co-Chair: Xiaoqian Chai**

*McGill University*

**Jennifer Britton**

*University of Miami*

**Yana Fandakova**

*University of Trier*

**Wei Gao**

*Cedars-Sinai Medical Center*

**Arianna Gard**

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*Stanford University*

**Ryann Tansey**

*University of Calgary*

**Wesley Thompson**

*Laureate Institute for Brain Research*

# Local Organizing Committee Members

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*Trinity College Dublin*

**Hugh Garavan**

*University of Vermont*

**John J. Foxe**

*University of Rochester  
Medical Center*

**Robert Whelan**

*Trinity College Dublin*

**Catherine Fassbender**

*Dublin City University*

**Tamrin Holloway**

*Trinity College Dublin*

**Flavia Santos**

*University College Dublin*

# Hotel Information

## Hotel Information:

Flux has secured discounted hotel rates at five properties at or near the Congress.

**Radisson Blu Royal Hotel** - in the same location as the Congress (includes Breakfast)

- One Bed: €270.00
- Two Beds: €290.00

**StayCity Aparthotels Dublin Castle** - 2 minute walk to the Congress

- Studio Apartment Room Only: €250.00

**The Chancery Hotel** - 3 minute walk to the Congress (includes Breakfast)

- One Bed: €280.00\*
- Double Bed: €300.00\*

\*Add €10 for an additional person.

**Maldron Hotel Kevin Street** - 8 minute walk to the Congress (includes Breakfast)

- One Bed: €225.00
- Two Beds : €240.00

**Wren Urban Nest** - 8 minute walk to the Congress (includes Breakfast)

- One Bed: €250.00\*
- Two Beds: €270.00\*

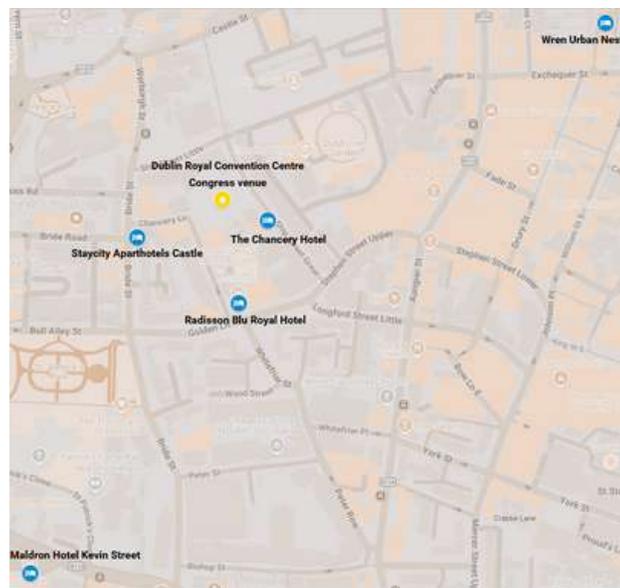
\*Add €25 for an additional person.

## Special Rates for Congress Attendees:

Take advantage of the special rates for Flux attendees from as low as €250.00 a night.

For more information and booking your room, please visit [our website](#).

## Map of Hotels:





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# LA JOLLA, CALIFORNIA, USA

September 8 - 10, 2026

Pre-Conference  
Workshops:  
September 7, 2026

# THANK YOU

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