



INTERNATIONAL NEUROTRANSMITTER DISORDERS

CONFERENCE

LONDON

5TH - 7TH NOVEMBER 2025

PRELIMINARY AGENDA

BRIDGING SCIENTIFIC INNOVATION & CLINICAL ADVANCES FOR PATIENTS

JUNE 2025 | 01.





Medical & Scientific Organising Committee

Professor Manju Kurian

Medical & Scientific Committee Co-Chair
UCL Professor of Genetics | Honorary
Consultant in Paediatric Neurology
London, UK

Professor Simon Heales

Medical & Scientific Committee Co-Chair
UCL Professorial Fellow | Consultant Clinical
Scientist
London, UK

Dr Simon Pope

Medical & Scientific Committee Co-Chair
UCL Senior Research Fellow | Principle
Biomedical Scientist
London, UK

Professor Thomas Opladen

Center for Pediatric and Adolescent
Medicine | Division of Pediatric Neurology
& Metabolic Medicine,
Heidelberg, Germany

Dr Alpa Dherai

Consultant Biochemist
Mumbai, India

Professor Rafa Artuch

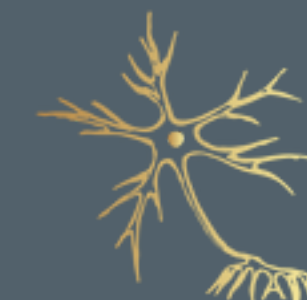
Head of Biochemistry Department
Barcelona, Spain

Dr Roser Pons

Pediatric Neurologist & Faculty Member
Athens, Greece

Dr Toni Pearson

Pediatric Neurologist & Movement
Disorder Specialist | Lead Neurologist,
Gene Therapy Trials, US
St Louis, USA



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”Bridging Scientific Innovation & Clinical Advances for Patients.”

OUR PROMISE...

As the INDConf 2025 Medical & Scientific Committee, we are committed to ensuring that every discovery moves us closer to better care, deeper understanding and real hope for families affected by neurotransmitter disorders!

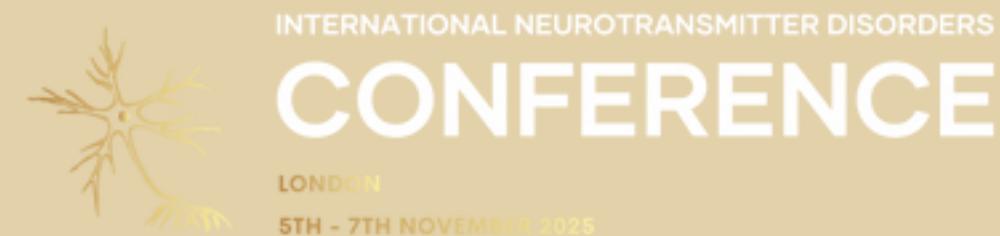
INDConf 2025 Venue

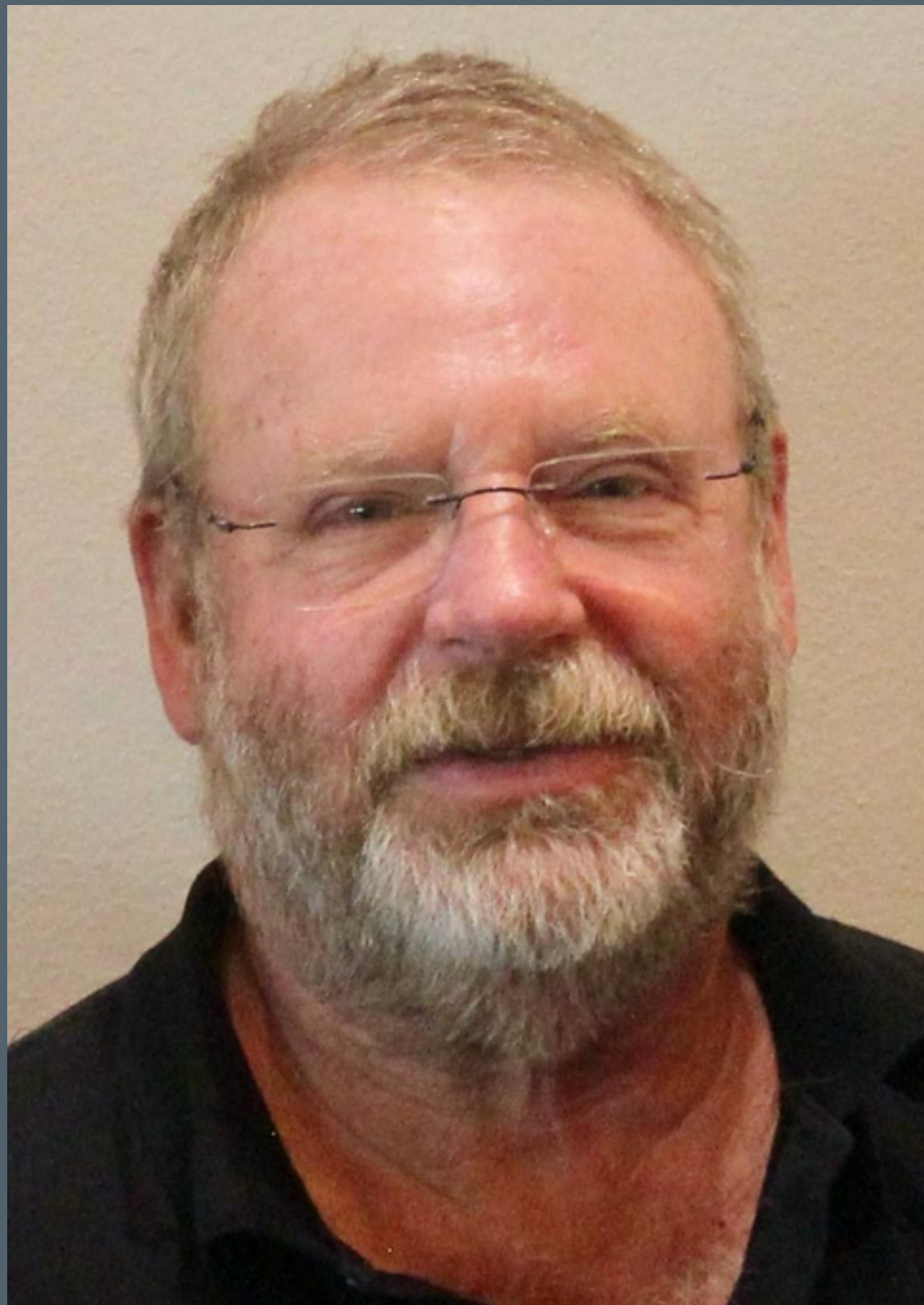
Goodenough College - LONDON

Mecklenburgh Square, London, WC1N 2AB

Nestled in the heart of Bloomsbury, Goodenough College offers a truly special setting for the INDCong 2025. This historic LONDON venue blends academic charm with a warm, welcoming atmosphere - perfect for meaningful connection, learning and collaboration.

www.goodenoughhouse.co.uk





Professor Keith Hyland

Joint Keynote Lecture

Wednesday 5th November

We are honoured to welcome two of the fields most influential pioneers, Professor Keith Hyland and Professor Simon Heales, for a joint keynote reflecting on decades of discovery, collaboration, and impact in the diagnosis and understanding of neurotransmitter disorders. Their combined contributions have shaped the very foundations of neurotransmitter testing and care, inspiring generations of clinicians and researchers globally. Together, they offer a unique perspective on the past, present and future of this evolving field - and remind us of the power of science driven by dedication, curiosity and compassion.



Professor Simon Heales

Day 1

Wednesday 5th November

Registration & Lunch

Join us from 12:00 PM for arrival registration and a light lunch. This is a great opportunity to settle in, collect your materials and connect with fellow delegates before the conference officially begins...

Session 1

13:30 - 15:00PM

An Overview of Neurotransmitter Disorders.

A brief introduction to the biology, clinical features and significance of rare neurotransmitter disorders, setting the stage for deeper exploration throughout the conference

Coffee & Poster Viewing

15:00 - 15:30PM

Enjoy coffee and explore poster presentations at your leisure

Session 2

15:30 - 17:30PM

Advances in Laboratory Diagnostics: Biochemical & Genetic Testing.

Discover the latest tools and techniques transforming biochemical and genetic testing for neurotransmitter disorders

Welcome Drinks Reception

17:30 - 19:30PM

Join us for a welcome drinks reception with short talks on career journey and serendipitous connections in neurotransmitter disorders

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POST SPEAKER DISCUSSION ON:
ADVANCES IN LABORATORY
DIAGNOSTICS: BIOCHEMICAL &
GENETIC TESTING.

HAVE YOUR SAY...



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Day 2

Thursday 6th November

Clinical Focus & Expert Exchange

Day two brings a packed programme of vital session, from in-depth clinical case discussion to the always-popular Meet the Experts - an unmissable day of insight and exchange.

Session 3

08:30 – 10:00AM

Selected Oral Presentations.

An arrival coffee followed by a selection of 4 chosen oral presentations, each offering a 10-minute talk followed by a 5-minute discussion - highlighting emerging research and fresh perspectives across the field.

Session 4

10:00 – 12:45PM

**Monoamine Neurotransmitter Disorders -
Expanding Diseases and Phenotypes**

Following a coffee break this session takes a closer look at the growing complexity of monoamine neurotransmitter disorders, with fresh insights into emerging conditions and their presentations.

Lunch & Poster Viewing

12:45 – 14:00PM

Enjoy lunch alongside a chance to view poster presentations and connect with fellow delegates.

Session 5

14:00 – 16:00PM

Vitamins, GABA and Glycine Disorders

This session delves into key disorders linked to vitamins, GABA and Glycine - shedding light on their genetic foundations, clinical impact and treatment approaches

Session 6

16:00 – 17:15PM

Disease Modelling for Monoamine Neurotransmitter Disorders

Grab a coffee before diving into cutting-edge disease modelling for monoamine neurotransmitter disorders, from in silico analysis to iPSC-base research.

Session 7

17:15 – 19:20PM

Workshop for Clinical Cases & Video

We close the day with an interactive workshop featuring real clinical cases and video discussions - an opportunity to reflect, learn and exchange insights in a practical setting.

JOIN OUR WORKSHOP

Clinical Case Discussion & Meet the EXPERTS

Bridging Scientific Innovation & Clinical Advances for Patients



Day 3

Friday 7th November

Last Sessions, Presentations & Farewell Gathering

Welcome to our final day - packed with vital topics and lasting takeaways. Please do join us for lunch before departure at 1:45pm

Session 8

08:30 – 10:00AM

Selected Oral Presentations.

An arrival coffee followed by a selection of 4 chosen oral presentations, each offering a 10-minute talk followed by a 5-minute discussion - highlighting emerging research and fresh perspectives across the field.

Session 9

10:00 – 12:15PM

Established & Novel Therapies for Neurotransmitter Disorders.

This key session explores current treatments & groundbreaking advances, featuring two important discussions on gene therapy for AADC deficiency. A short coffee break is included- don't miss these critical updates shaping the future of care.

Session 10

12:15 – 13:30PM

Neurotransmitter Workshop for Patient & Public Engagement

Join us for an interactive session bringing together clinicians, researchers, and families to explore diagnostics, prognostics, therapies and patient-driven priorities in neurotransmitter disorders.

"This workshop has been made possible in part by grant 2024-347839 from the Chan Zuckerberg Initiative DAF, an advised fund of Silicon Valley Community Foundation."

Researcher Prizes & Close

13:30 – 13:45PM

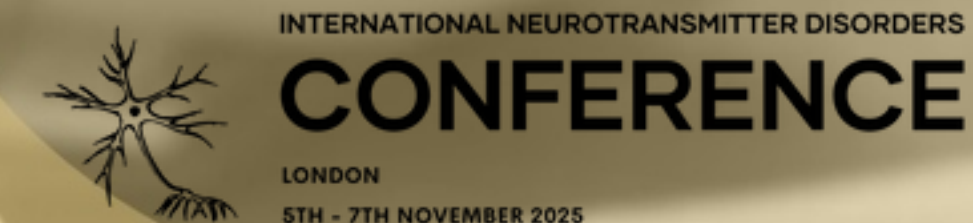
Celebrate the presentation of early career researcher prizes for best oral presentation and best poster

Lunch & Depart from 13:45PM

Enjoy a final lunch together before making your way home.

BIG Ideas, BOLD Research, all in just 60 minutes!

Don't MISS it...



Join us for 4 x Rapid-Fire Oral Presentations 10 minutes of Insight and 5 minutes of Discussion

Meet the Experts Behind the Programme

INDConf 2025 brings together an extraordinary group of clinicians, researchers, and advocates who are shaping the future of care and discovery in neurotransmitter disorders. Below you'll find the individuals whose expertise and insight form the foundation of this programme. Full session details and timings will be shared closer to the event..

Professor Manju Kurian

Neurotransmitter Disorders: Clinical Overview of Neurotransmitter Disorders

Professor Keith Hyland & Professor Simon Heales

Keynote lecture: A Lifetime of Discovery in Neurotransmitter Disorders

Professor Thomas Opladen

The iNTD Registry: A 2025 update

Dr Alpa Dherai

Analytical Method Validation for CSF Monoamine HPLC Analysis: Experience from an Indian Centre.

Professor Rafa Artuch

CSF HVA and 5-HIAA in the Pediatric Population: Clinical Impact of Continuous Reference Intervals.

Dr Simon Pope

The Utility of Mass Spectrometry in CSF Metabolite Biomarker Analysis





Meet the Experts Behind the Programme

Dr David Bick

UK Newborn Genomic Screening for Neurotransmitter Disorders: The Generation Study

Professor Nenad Blau

The Spectrum of DDC variants in AADC deficiency: Insights into Genetic Mechanisms

Dr Reem Alkhater & Dr Birgit Assmann

The Emerging Role of Monoamine Transportopathies in Human Disease

Professor Yair Anikster

DNAJC12 deficiency: Expanding Genotype, Phenotype and Emerging Disease Mechanisms

Professor Simon Heales

Secondary Neurotransmitter Disorders: Laboratory Insights

Dr Tessa Wassenberg

Secondary Neurotransmitter Disorders: Clinical Phenotypes

Professor Nick Greene & Dr Simon Pope

Disorders of Cerebral Folate Deficiency: Genotypes, Phenotypes, Pathogenesis, Laboratory

Professor Peter Clayton & Professor Philippa Mills

Disorders of B6 Metabolism: Genotypes, Phenotypes, Pathogenesis, Laboratory

Meet the Experts Behind the Programme

Professor Phillip Pearl

Translational Arc for GABA Disorders

Professor Johan Van Hove

An Update on Glycine Metabolism

Professor Mita Bertoldi

In Silico and in Vitro Modelling for AADC Deficiency: Functional Insight into Disease Mechanisms

Dr Serena Barral

Advanced iPSC-based Disease Modelling for Neurotransmitter Disorders

Professor Jo Ng

Preclinical Novel Therapy Development for Primary and Secondary Neurotransmitter Disorders

Dr Roser Pons

Treatable Neurotransmitter Disorders

Dr Sam Shribman

Treating Adults with Neurotransmitter Disorders

Professor Thomas Opladen

Gene Therapy for AADC deficiency: Long Term Outcomes with Putaminal Targeting.

Dr Toni Pearson

Gene Therapy for AADC deficiency: Long Term Outcomes with Midbrain Targeting



”Behind every topic, every session and every speaker is a shared commitment to families living with neurotransmitter disorders.

We invite you to be part of INDConf 2025 –
a place where science meets support and
every voice matters.”



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THANK YOU

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Insta: [#indconf2025](https://www.instagram.com/indconf2025)



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