

Intercontinental Hotel Magnificent Mile
505 N. Michigan Avenue
Chicago Illinois, USA

2025 SYMPOSIUM OVERVIEW

Symposium Website: <https://g-can.swoogo.com/2025>

General Sessions:

- The Year in Review: Lectures on: Gout Clinical Research, including Clinical Trials; Gout Basic Research, including Urate-lowering and Anti-inflammatory Approaches; Basic and Clinical Research in CPP and BCP Crystal Arthritis
- Crystal Arthropathy Clinical and Basic Research Mini symposia
- G-CAN Early Career Investigator Abstract Presentations
- G-CAN 2025 Presentation of Awards to: G-CAN Rising Leader (Korng Ea), Presidential Emerging Career Investigator (Edoardo Cipolletta), Master Awards (Michael Pillinger, Kimiyoshi Ichida), H. Ralph Schumacher Memorial Early Career Investigator Award (Daniel Ward Phillips), and 2025 Junior Faculty Investigator Prize (Isidoro Cobo)
- Special Sessions: New Crystal Arthropathy Inflammatory and Metabolic Targets and Markers
- G-CAN Gold Medal Award Lecture (Tony Merriman)
- Great Debate: Serum Urate Target <6 or <5 for the Average Patient with Gout
- Plenary Gout and CPPD Combined Workshop Session
- Update on the G-CAN Journal, *Gout, Urate, and Crystal Deposition Disease (GUCDD)*
- Reception Following Day 1 Sessions

Notes on this Year's Hybrid Platform:

- *◆ All presentations, including workshops, will be live-streamed. Those speakers who are not able to attend in person will present in real time via the internet from their location.*
- *◆◆ If they are not able to speak at the scheduled time, arrangements will be made to record their presentation ahead of time to be played back at the live session.*
- *Presentations are recorded during the symposium and will remain accessible for video on-demand viewing until January 31, 2026; recorded presentations for the Year in Review talks will be posted to the G-CAN website indefinitely for on-demand viewing.*
- *There will not be physical posters; abstracts selected for the Early Career Investigator Mini-lectures will be brief, live presentations with a question-and-answer period.*



Questions and responses on individual talks will be available in the chat window of each presentation during the live session. Scan the QR code to open the chat function on your phone or join via [slido.com](https://www.slido.com) and enter code #g-can to submit questions.

Join the Conversation!
#2025GCAN
@G_CANgout



HYBRID LIVE IN-PERSON AND VIRTUAL SYMPOSIUM AGENDA

All times are in Central Time Zone USA

Tuesday, October 21, 2025

- Arrivals, check in to hotel
- Dinner on your own

Wednesday, October 22, 2025

- 6:30** **Registration Opens** Avenue Ballroom Foyer, Lobby Level
- 7:00-8:00** **Breakfast for Meeting Attendees** Avenue Ballroom Foyer, Lobby Level
- 8:00-8:20** **Welcome and Introduction to G-CAN, Recognition of Industry Sponsors**
All Symposium Sessions to be held in Avenue Ballroom Lobby Level
- G-CAN President: *Robert Terkeltaub*
 - G-CAN Vice President and Treasurer: *Hyon Choi*
 - Chat Function Demonstration: *Rebecca Hill*
- 8:20-9:50** **Crystal Arthropathy Clinical and Basic Research: The Year in Review**
Session Chairs: *Tuhina Neogi, Michael Pillinger*
This session will **not** have a question-and-answer period.
(Recordings will remain on the G-CAN website indefinitely).
- 30-minute presentation:
- The Year in Review: Gout Clinical Research, Including Clinical Trials
– *Edoardo Cipolletta, Ancona*
- 20-minute presentations:
- The Year in Review: Emerging Approaches to Urate-lowering Therapy – *Robert Terkeltaub, La Jolla*
 - The Year in Review: Gout Basic Research – *Isidoro Cobo, Birmingham, AL*
 - The Year in Review: Basic and Clinical Research CPP and BCP Crystal Arthritis – *Geraldine McCarthy, Dublin*
- 9:50-10:10** **Special Lecture**
Moderators: *Sara Tedeschi, Mariano Andrés*
15-minute talk, 5 minutes for questions
- The Evidence from New Pragmatic Trials on Treat to Target Urate-lowering in Gout – *Hyon Choi, Boston*
- 10:10-10:40** **Break and Availability of Exhibitors** Avenue Ballroom
Foyer, Lobby Level
- 10:40-12:05** **G-CAN Early Career Investigator Abstract Session** Avenue Ballroom
Moderators: *Robert Terkeltaub, Tuhina Neogi, Leo Joosten*
Oral presentations, 10 minutes each, followed by 2 minutes for questions

- Validation of an Allopurinol Dose Prediction Tool to Achieve Goal Serum Urate Among Patients with Gout in a Protocolized Dose Escalation Trial – *Brian Coburn, Philadelphia*
- ♦ Characteristics of Gout Flares Over Time with Treat-to-Target Urate-lowering Therapy Use – *Jason Yang, Boston*
- Detection of Future Gout Flare Using Peripheral Blood Gene Expression with Machine Learning – *Hussain Aljafer, East Lansing*
- The Effect of Prophylactic Colchicine Use on Gene Expression in Gout – *Austin Wheeler, Omaha*
- Local MSUc Gout Inflammation Accelerates Atherosclerosis in *Ldlr^{-/-}* Mice by Expanding an EMP1⁺ Monocyte Population Systemically Via DNMT3A And Type-I IFN Signaling – *Daniel Ward Phillips, Birmingham, AL**
**Recipient of the H. Ralph Schumacher Award for highest-ranking Early Career Investigator Abstract*
- Macrophage Tolerance Regulates the Progression of Atherosclerosis by MSUc – *Ben Hemming, Birmingham, AL*
- Prolonged State of Hyperuricemia Activates the Human Innate Immune System: A Two-year Follow-up from the GO TEST Finale Study – *Brenda Kischkel, Nijmegen*

12:05-13:00 **Lunch Break and Availability of Exhibitors** *Avenue Ballroom Foyer, Lobby Level*

13:00-13:20 **Special Lecture** *Avenue Ballroom*
Moderators: *Robert Terkeltaub, Hyon Choi*
15-minute talk with 5 minutes for questions

Colchicine in Comorbidities of Crystal Arthropathy – *Michael Pillinger, New York*

13:20-14:05 **The Great Debate: The Standard Serum Urate Target in Gout Should Be Less Than 5 mg/dL for the Average Patient**
Moderators: *Michael Pillinger, Chio Yokose*

Pro: *Thomas Bardin, Paris*

♦ **Con:** *Nicola Dalbeth, Auckland*

- Pre-vote
- 15 minutes each for each argument
- 5 minutes each for rebuttals
- Post-vote

14:05-14:45 **Special Session: New Inflammation Targets in Crystal-induced Arthritis**
Moderators: *Robert Terkeltaub, Korng Ea*
15-minute talks, 5 minutes for questions

Featured Lecture 1: Identification of novel targets for hyperuricemia and gout using translational immunology, transcriptomics and proteomics – *Leo Joosten, Nijmegen*

Featured Lecture 2: New Insights into Macrophage Tolerance and IFN Pathways Linking Gout and Atherosclerosis – *Isidoro Cobo, Birmingham, AL*

14:45-15:10

Presentation of G-CAN 2025 Junior Faculty Investigator Prize, H. Ralph Schumacher Award, Presidential Emerging Career Investigator Award, Rising Leader Award, and Master Awards

Award Presenters: *Robert Terkeltaub, Hyon Choi, Tuhina Neogi*

Words of acceptance by the awardees. No question-and-answer period.

- **G-CAN 2025 Junior Faculty Investigator Prize**
Short Introductory Talk by Tuhina Neogi

Isidoro Cobo, Birmingham, AL

- **G-CAN 2025 H. Ralph Schumacher Memorial Early Career Investigator Award**
Short Introduction by Tuhina Neogi

Daniel Ward Phillips, Birmingham, AL

- **G-CAN Presidential Emerging Career Investigator Award**
Short Introduction by Robert Terkeltaub

Edoardo Cipolletta, Ancona

- **G-CAN Rising Leader Award**
Short Introduction by Hyon Choi

Korng Ea, Paris

- **G-CAN Master Award Honorees**
Short Introduction by Robert Terkeltaub

- *Michael Pillinger, New York*
- *Kimiyoshi Ichida, Tokyo*

15:10-15:30

Break *Avenue Ballroom Foyer, Lobby Level*

15:30-16:10

G-CAN PM Mini-session *Avenue Ballroom*
Moderators: *Korng Ea, Sara Tedeschi*

[Early Career Investigator Short Talks: 4-minute lectures, 1 minute for questions](#)

- ♦ Effect of Smartphone Application-led Patient Management Model on Adult Gout Patients in China – *Zhiwei Cao, Shanghai*
- ♦ Explaining Variation in Equitable Urate Lowering Therapy Uptake: Findings from a Realist Synthesis to Support Context-sensitive Implementation of Gout Interventions in Aotearoa New Zealand – *Julia Muir, Christchurch*

[10-minute presentation, 2 minutes for questions](#)

- ♦ Intra-articular Calcification and Knee Osteoarthritis: New Insights from the Multicenter Osteoarthritis Study – *Jean Liew, Boston*

[Early Career Investigator Short Talks: 4-minute lectures, 1 minute for questions](#)

- Updated Case Definition of Calcium Pyrophosphate Deposition (CPPD) Disease Identifies Novel Genetic Loci in the MVP Cohort – *Riku Takei, Birmingham, AL*
- Characterisation of Clinical Phenotypes in CPPD By Hierarchical Analysis in Two Large Cohorts of Patients – *Greta Pellegrino, Milan*
- Progression of CPPD Burden in a Cohort of Patients with CPPD Disease: Over 1-Year Follow-up – *Antonella Adinolfi, Milan*

16:10-16:15 Special Presentation:

In Memoriam: Dr. Konstantin Parperis – *Ann Rosenthal*

16:15-17:00 Plenary Gout and CPPD Combined Workshop Session

Moderators: *Mariano Andrés, Tuhina Neogi*

16:15-16:45 G-CAN Project to Define “Difficult to Treat Gout”

15-minute talk, 10 minutes for questions and discussion

- Tim Kwok, *Toronto*

16:45-17:00 G-CAN CPPD Nomenclature Project

15-minute talk, 10 minutes for questions and discussion

- Silvia Sirotti and Georgios Filippou

17:15-18:30 Reception with wine and hors d'oeuvres for all general meeting attendees

Streeterville, Lobby Level

18:30 Dinner on Your Own for General Meeting Attendees

Thursday, October 23, 2025

7:00-8:00 Breakfast *Avenue Ballroom Foyer, Lobby Level*

8:00-8:20 Special Lecture *Avenue Ballroom*
Chairs: Moderators: *Sara Tedeschi, Michael Pillinger*
15-minute talk, 5 minutes for questions

Understanding Roles of Ancillary Urate-lowering by Weight Loss, SGLT2 inhibition, and GLP-1RA and Other Anti-obesity Hormone Therapies – *Chio Yokose, Boston*

8:20-9:00 G-CAN Gold Medal Award Lecture
Moderators: *Robert Terkeltaub, Hyon Choi, Tuhina Neogi*
20-minute talk, 5 minutes for awardee introduction
5-minute question-and-answer period

Honoree: *Tony Merriman, Birmingham*

Lecture Title: A Collaborative Journey in Crystal Arthritis

9:00-10:00

Thursday AM Mini-symposium Part 1

Moderators: *Tony Merriman, Mariano Andrés, Chio Yokose*

10-minute talks, followed by 2 minutes for questions

**Early Career Investigator Presenters*

- Genetics of Gout and Comorbidities in Tahiti – *Tristan Pascart, Lille*
- MSU Crystals and Subclinical Inflammation – *Mariano Andrés, Alicante*
- ♦♦ Hospital Burden of Crystal-Related Arthritis in Spain: A Nationwide Dataset Of 214,635 Inpatients – *Cristina Rodríguez-Alvear, Arrecife**
- Health Care Utilization Patterns Among Patients Presenting to Emergency Department for Gout Flares in Ontario, Canada: A Population-based Retrospective Observational Study – *Tim Kwok, Toronto**
- What Have We Learned from Developing the APLAR Gout Registry? – *Kanon Jatuworapruk, Pathumthani*

10:00-10:30

Break and Availability of Exhibitors *Avenue Ballroom Foyer, Lobby Level*

10:30-12:00

Thursday AM Mini-symposium Part 2 *Avenue Ballroom*

Moderators: *Monica Guma, Hyon Choi*

10-minute talks, followed by 2 minutes for questions

**Early Career Investigator Presenters*

- Functional Genomics and Inflammatory Responses in Hyperuricemia and Gout – *Tania Crişan, Cluj-Napoca*
- Proteomic Signature in Hyperuricemic People Living with HIV – *Ancuta Straton, Cluj-Napoca**
- Colocalization of Genetic Association Signals and QTLs Reveals Insights into the Pathogenesis of Gout – *Aichang Ji, Birmingham, AL**
- ♦ Transmembrane proteins TMEM171 and TMEM174: two novel physiological regulators of urate homeostasis – *David Mount, Boston*
- TREM2 Deficiency Ameliorates Hyperuricemic Nephropathy by Inhibiting Rap1-Mediated Macrophage Migration – *Mian Wu, Suzhou**

Short Talks

[Early Career Investigator 4-minute talks, followed by 1 minute for questions](#)

- Epigenetic Clocks Reveal Accelerated Aging in Patients with Gout and Individuals with Hyperuricemia – *Medeea Badii, Cluj-Napoca**
- Unraveling a New Inflammatory Pathway: CSF1 and Its Regulatory ncRNAs in Gout – *Nils Asmann, Nijmegen**
- Genetic Analysis of the Synergistic Cytokine Response of Monosodium Urate Crystals and Palmitate Identifies a New Role for the *SFMBT1* Locus – *Nick Sumpter, Nijmegen**
- Molecular Mechanisms Driving Divergent Response to Monosodium Urate Crystals in Genetically Distinct Macrophages Driven by PPARG – *Riley Porter, Birmingham, AL**

- ♦ MSU Crystals Exposure is Associated to Limited Transcriptional Changes in Human Primary PBMCs – *Valentin Nica, Cluj-Napoca**
- Serum Metabolomics Reveals Dyslipidaemia in Gout and Hyperuricemia: Elucidating Inflammatory Links Through Integrative Multi-omics – *Georgiana Cabău, Cluj-Napoca**

12:00-12:45

Lunch and Availability of Exhibitors

Box lunch, pick up in Avenue Ballroom Foyer, Lobby Level and eat where you like

12:45-12:55

Special Session Avenue Ballroom

10-minute Update

G-CAN Journal Update: Gout, Urate, and Crystal Deposition Disease (GUCDD) – *Tony Merriman, Tristan Pascart*

12:55-13:15

2024 G-CAN Junior Faculty Investigator Prize Lecture

Moderators: *Tuhina Neogi, Robert Terkeltaub*

15-minute talk, 5 minutes for questions

Talk Title: Multi-Omic Analysis of Mortality Risk in Gout – *Natalie McCormick, Boston*

13:15-14:55

Special Session: New Intestinal and Metabolic Targets in Hyperuricemia and Crystal Arthropathy

Moderators: *Robert Terkeltaub, Federico Rey, Monica Guma*

**Early Career Investigator Presenters*

15-minute talks with 5 minutes for questions

- **Overview Talk:** Emerging Gut Microbiome Targets in Hyperuricemia – *Federico Rey, Madison*
- **Featured Early Career Investigator Lecture:** Dietary fiber intake, the gut microbiome, and gout – *Sharan Rai, Boston**

10-minute talks, 2 minutes for questions

- Antibiotic Exposure and Gout – *Natalie McCormick, Boston*
- New Target Loop: Environmental Toxins, Aryl Hydrocarbon Receptor, and Hyperuricemia – *Thomas Bardin (with Emmanuel Letavernier), Paris*
- Metabolites that reduce gout flare – *Korng Ea, Paris*
- Metabolomic Insights of Hyperuricemia and Gout: Crosstalk among Purine, Lipid, and Glucose Metabolism – *Huiyong Yin, Hong Kong*
- ♦♦ Metabolomic Signature of Gout Flare Prediction on ULT and Colchicine – *Changgui Li, Qingdao*

15:00-15:20

Break Avenue Ballroom Foyer, Lobby Level

15:20-16:00

Mini-symposium Avenue Ballroom

Moderators: *Korng Ea, Tuhina Neogi*

10 minutes each, followed by 2 minutes for questions per talk

- ♦♦ Plasma Enriched Directional Adsorption Cartridge for Urate Hemoperfusion as Bionics Strategic Add-on Urate-lowering Treatment in Refractory Gout: A Proof-of-concept Trial – *Mingshu Sun, Qingdao*
- ♦ Ethics of Phase III/IV Gout Clinical Trials – *Lisa Stamp, Christchurch*
- ♦ Predicting Allopurinol Hypersensitivity Syndrome – *Abhishek Abhishek, Nottingham*

16:00-17:00

Special Session with Panel Discussion and Audience Polling

Moderators: *Tuhina Neogi, Georgios Filippou*

15 minutes for each presenter, followed by 15-minute question-and-answer period and panel discussion, with time for audience pre- and post-session polling votes

Past, Present, and Future in Diagnosing Crystal Arthropathy

- Conventional Synovial Fluid Crystal Analysis – *Sara Tedeschi, Boston*
- ♦ Advanced Joint Fluid Crystal Detection & Quantification – *John FitzGerald, Los Angeles*
- Point of Care Ultrasound – *Georgios Filippou, Milan*

17:00-17:05

Adjourn and Final Comments

Robert Terkeltaub, Hyon Choi

Friday, October 24, 2025

Checkout/Departures

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About Our 2025 G-CAN Award Recipients

G-CAN Gold Medal Award



Tony Merriman, PhD

Professor

*Division of Clinical Immunology and Rheumatology, University of Alabama at Birmingham
Birmingham, Alabama, USA*

Dr. Merriman studied for his PhD in bacterial genetics at the University of Otago, Aotearoa New Zealand. In 1994, he undertook post-doctoral training at the University of Oxford, United Kingdom, focusing on the genetics of a complex polygenic condition type 1 diabetes. He returned to the University of Otago in 1998, where he began a program studying the causes (genetic and environmental) of gout, with a focus on Indigenous Māori and Pacific Island people living in Aotearoa New Zealand. Since 2020, he has been at the University of Alabama at Birmingham where he continues the gout research program and is extending into CPPD disease.

2025 G-CAN Rising Leader Award



Hang Korng Ea, MD, PhD

Professor of Rheumatology and Cellular Biology

Head of INSERM Unit U1132, BIOSCAR

University Paris Cité

Paris, France

Hang Korng Ea completed his medical degree at the University Paris Descartes and his PhD degree at University Paris Cité, studying the role of calcium crystals in osteoarthritis, specifically the mechanisms of crystal/cell interactions, crystal-induced inflammation, and crystal formation. He is currently a professor of rheumatology and cellular biology at University Paris Cité, where he studies microcrystal-related diseases, including gout, calcium pyrophosphate crystal deposition disease, and calcium phosphate crystals. Dr. Ea is head of the INSERM Unit 1132, BIOSCAR and co-founder of the European Crystal Network.

G-CAN Presidential Emerging Career Investigator Award



Edoardo Cipolletta, MD, PhD

Clinica Reumatologica - Dipartimento di Scienze Cliniche e Molecolari, Università Politecnica delle Marche, Jesi (Ancona), Italy

Academic Rheumatology, University of Nottingham, Nottingham, UK

After completing his medical training at the Polytechnic University of Marche and his residency training at "Carlo Urbani" Hospital, Dr. Cipolletta received a PhD on the diagnosis and prognosis of flares in crystal arthritis in 2025. He is currently a clinical research fellow at the Polytechnic University of Marche (Italy), and Honorary Consultant Rheumatologist at "Carlo Urbani" Hospital (Italy) and an associate research fellow at the Academic Rheumatology of the University of Nottingham (UK). Apart from crystal arthritis, his research interests include the epidemiology of rheumatic diseases, ultrasonography in musculoskeletal diseases, and the development of clinical prognostic models.

H. Ralph Schumacher Memorial Early Career Investigator Award



Daniel Ward Phillips

Graduate Biomedical Sciences (GBS) Program

University of Alabama

Birmingham, Alabama, USA

Daniel Ward Phillips earned his BS in Biomedical Sciences from the University of Alabama at Birmingham (UAB), followed by a two-year post-baccalaureate fellowship with the

American Cancer Society under Robert Welner, PhD. During his fellowship, he investigated the immunological roles of myeloid cells in hematological malignancies, with a focus on Acute Myeloid Leukemia (AML). Mr. Phillips is currently pursuing his PhD in Cancer Biology through the Graduate Biomedical Sciences (GBS) program at the UAB. His doctoral work examines the roles of non-malignant monocytes and eosinophils in AML, including their functions, transcriptional profiles, and interactions with leukemic blasts.

G-CAN 2025 Jr. Faculty Investigator Prize Winner



Isidoro Cobo,
Isidoro Cobo, PhD
Assistant Professor
University of Alabama at Birmingham
Birmingham, AL

Isidoro Cobo began his academic path studying Biology and Biochemistry, driven by a desire to understand the fundamental principles that govern life and the natural world. This early curiosity led him to a research assistant position at Oxford University, followed by a master's degree at University College London. Dr. Cobo pursued his PhD at the Spanish National Cancer Research Center (CNIO), where he deepened his interest in molecular mechanisms of disease. Dr. Cobo's post-doctoral training at the University of California San Diego, focused on inflammation and metabolism. Currently, he is an Assistant Professor at the University of Alabama at Birmingham, where he leads a lab exploring the epigenetic and transcriptional regulation of inflammation in gout-induced atherosclerosis.

G-CAN Master Awards Honorees



Kimiyoshi Ichida, MD, PhD
Emeritus Professor and Visiting Professor, Tokyo University of Pharmacy and Life Sciences
Tokyo, Japan
President of Japanese Society of Gout and Uric & Nucleic Acids

A 1982 graduate of Jikei University School of Medicine, Tokyo, Japan, Dr. Ichida was previously a professor of the pathophysiology department at Tokyo University of Pharmacy and Life Sciences (2007-2023) and a visiting professor in the division of kidney and hypertension at the Institute for Chronic Kidney Disease at Jikei University School of Medicine (2013-2023). He is currently president of the Japanese Society of Gout and Nucleic Acid Metabolism, a member of the Executive Committee of the Purine and Pyrimidine Society, and a council member of the Japanese Society of Nephrology. His awards include The Society Award from the Japanese Society of Gout and Nucleic Acid Metabolism (2001), the Tanabe Award of the Society for Gout Research (2003), and the Tufu Academic Award of the Japanese Gout Foundation (2012).



Michael Pillinger, MD
Professor of Medicine, Biochemistry and Molecular Pharmacology
NYU Grossman School of Medicine Division of Rheumatology
New York, USA

Dr. Pillinger completed his undergraduate studies at Harvard, his medical degree at NYU, his internal medicine residency at the Albert Einstein College of Medicine, and his rheumatology fellowship at NYU. A Professor of Medicine, Biochemistry and Molecular Pharmacology at NYU Grossman School of Medicine, he directs the NYU Crystal Disease Study Group and co-directs the NYU Gout Treatment Center with Dr. Michael Toprover. He is Director of Rheumatology Training and Section Chief for Rheumatology at the Manhattan VA Hospital. For the NYU Clinical and Translational Science Institute, Dr. Pillinger supervises the NYU MS in Clinical Investigation and serves as PI of the KL2 training program. His past honors include the American College of Rheumatology Clinician Scholar Educator and Distinguished Program Director Awards, and the NYU Distinguished Faculty Mentor Award.