



## G-CAN 2024 Tenth Annual Research Symposium and Workshops NOVEMBER 13-14, 2024

*In-Person and Virtual Hybrid Meeting Format*

[Hilton Alexandria Old Town](#)

1767 King Street

Alexandria, VA 22314 USA

**CONFERENCE REGISTRATION: TBD**

### 2024 SYMPOSIUM OVERVIEW

#### **General Sessions:**

- The Year in Review (Five Lectures: Gout Clinical Research Including Clinical Trials; Gout Basic Research; Urate Biology; Gout and Hyperuricemia Genetics; CPP and BCP Crystal Arthritis)
- Crystal Arthropathy Clinical and Basic Research Mini Symposia
- G-CAN Early Career Investigator Abstract Presentation Session (SPARK and MAPS Awardees)
- G-CAN 2024 H. Ralph Schumacher Memorial Early Career Investigator Award Lecture
- G-CAN Presidential Emerging Career Investigator and Junior Faculty Investigator Awardees Presentation
- G-CAN Gold Medal Award Lecture
- The Great Debate: "First Line ULT: XOI for All or Customized to Mechanism of Hyperuricemia?"
- Two Concurrent Networking Workshops on:
  - Approaches to Clinical Studies and Trial Design in Hyperuricemia and Gout
  - Calcific Crystalline Arthritis
- Update on the G-CAN Journal, *Gout, Urate, and Crystal Deposition Disease (GUCDD)*
- Day 1 Reception Following Day's 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 and workshops are recorded during the symposium and will remain accessible for video on-demand viewing until January 31, 2025; 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 MAPS (Mini-Lecture Abstract Presenters Session) 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:*

# LIVE, IN-PERSON, AND VIRTUAL SYMPOSIUM AGENDA

## All times are in Eastern Time Zone USA.

Presentations will be made either live from the meeting venue or virtually via streaming if the speaker is not attending in person. Breakout sessions also will be live streamed so that those who are unable to travel can participate virtually.

### ◆ Tuesday, November 12, 2024

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

### ◆ Wednesday, November 13, 2024

**6:30** Registration (Location: )

**7:00-8:00** Breakfast for Meeting Attendees (Location: )

**8:00-15:45** Plenary Session (Location: )

**8:00-8:20** Welcome and Introduction to G-CAN, Recognition of Industry Sponsors (Location:)

- G-CAN President: *Robert Terkeltaub*
- G-CAN Vice President and Treasurer: *Hyon Choi*
- G-CAN Executive Vice Presidents: *Nicola Dalbeth, Tuhina Neogi*
- Meeting Co-Chairs: *Chio Yokose, Georgios Filippou*
- Chat Function Demonstration: *Rebecca Hill*

**8:00-9:50** Crystal Arthropathy Clinical and Basic Research: The Year in Review

**Session Chairs:** *Lisa Stamp, Abhishek Abhishek*

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 – *Michael Toprover, New York* (30 minutes)

15-minute presentations:

- The Year in Review: Gout Basic Research – *Monica Guma, La Jolla*
- The Year in Review: Urate Biology – *Owen Woodward, Baltimore*
- The Year in Review: Gout and Hyperuricemia Genetics – *Megan Leask, Otago*
- The Year in Review: CPP and BCP Crystal Arthritis – *Sara Tedeschi, Boston*

**9:50-10:20** Break

**10:20-12:00** G-CAN Early Career Investigator SPARK (Select Presentations of Abstracts Research Keynotes) Session

**Moderators:** *Fred Lioté, Nicola Dalbeth*

6 oral presentations, 10 minutes each, followed by 2 minutes for questions

TBD

[12:00-13:00](#)

**Lunch**

[13:00-13:20](#)

**Presentation of G-CAN Presidential Emerging Career Investigator Awards**

**Award Presenters:** *Robert Terkeltaub, Hyon Choi, Nicola Dalbeth, Tuhina Neogi*  
Four 5-minute talks with no question-and-answer period

**Emerging Career Investigator Award Honorees:**

1. *Tania Crişan*
2. *Chio Yokose*
3. *Natalie McCormick*
4. *Sara Tedeschi*

[13:20-14:00](#)

**Special Session: The Gut Microbiome in Hyperuricemia and Gout**

**Moderators:** *Robert Terkeltaub, Monica Guma, Owen Woodward*

15-minute lectures with 5-minute question-and-answer period

- Gut microbiome dysbiosis and related metabolites in hyperuricemia and gout – *Jie Wei, Hunan*
- The Gut Microbiome and Urate Homeostasis – *Dylan Dodd, Palo Alto*

[14:00-14:30](#)

**Break and Availability of Exhibitors**

[14:30-15:10](#)

**Special Lectures**

**Moderators:** *Geraldine McCarthy, Tristan Pascart, Sara Tedeschi*

15-minute talks with 5 minutes each for questions

- IL-6 as a Therapy Target in CPPD – *Augustin Latourte, Paris*
- Cause or Consequence: Clarifying the role of calcification in OA – *Tuhina Neogi, Boston*

[15:10-15:30](#)

**G-CAN 2024 H. Ralph Schumacher Memorial Early Career Investigator Award Lecture**

**Moderators:** *Tuhina Neogi, Chio Yokose*

10-minute talk with 5-minute question-and-answer period

- Awardee: *Sydney Grooms, Birmingham*

[15:30-17:00](#)

**WORKSHOP/NETWORKING BREAKOUT SESSIONS**

**Workshop 1: Clinical Study, Imaging, Flares and Trial Design for Hyperuricemia and Gout**

**Co-Chairs:** *Lisa Stamp, Angelo Gaffo*

- **SESSION 1:** Presentation/discussion of data for GCAN-endorsed gout remission definition, ahead of voting in later session – *Nicola Dalbeth, Dansoa Tabi-Amponsah*  
30 minutes
- **SESSION 2:** Update on gout flare research and G-CAN initiative development – *Angelo Gaffo*  
30 minutes

- **SESSION 3:** Collaborative gout cohort opportunities/discussion:
  - SGLT2 inhibitors, gout, ULT, CKD – *Chio Yokose*, 15 minutes
  - Collaborative gout genomics cohort opportunities – *Tony Merriman*, 15 minutes

### **Workshop 2: CPPD and BCP in Joint Cartilage Calcification**

**Co-Chairs:** *Abhishek Abhishek, Georgios Filippou, Sara Tedeschi, Geraldine McCarthy*

Four 15-minute team talks with approximately 5 minutes for group discussion. Summary to be given at Plenary Session on November 14.

- **TEAM 1:** CPPD GWAS  
*Riku Takei, Tristan Pascart, Tony Merriman, Ann Rosenthal*
- **TEAM 2:** Calcium Crystals and Novel Approaches to Inflammation Mechanisms  
*Leo Joosten, Tania Crisan, Korng Ea, Geraldine McCarthy*
- **TEAM 3:** CPPD, Pain Symptoms and Extra-articular Disease (including fractures and inflammatory cardiovascular disease comorbidities)  
*Sara Tedeschi, Ann Rosenthal, Jean Liew*
- **TEAM 4:** Intersection of processes and pathways for articular calcification with clinical manifestations  
*Jessica Bertrand, Georgios Filippou, Fabio Becce, Tuhina Neogi*

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

**18:30** Dinner on your own, for general meeting attendees

## **◆ Thursday, November 14, 2024**

**7:00-8:00** Breakfast

**8:00-12:00** Plenary Session

**8:00-8:45** The Great Debate: "First Line ULT: XOI for All or Customized to Mechanism of Hyperuricemia?"

**Moderators:** *Tuhina Neogi, Tristan Pascart*

15 minutes for each presenter, followed by 5 minutes for each rebuttal and 5 minutes for audience vote

- Audience "Before Vote"
- Xanthine Oxidase Inhibitor for All – *Lisa Stamp, Christchurch*
- Customized to Mechanism of the Hyperuricemia – *Fernando Perez-Ruiz, Bilbao*
- Rebuttals
- Final audience "After Vote"

**8:45-10:00** G-CAN Early Career Investigator MAPS (Mini-Lecture Abstract Presenters Session)

**Awardees Part 1 - Clinical Research Abstracts**

**Moderator:** *Chio Yokose, Georgios Filippou*

3-minute presentations, 2 minutes for questions

Awardees TBD

- 10:00-10:30**      **Break and Availability of Exhibitors**
- 10:30-11:00**      **G-CAN Gold Medal Investigator Award Lecture**  
**Moderators:** *Hyon Choi, Nicola Dalbeth, Tuhina Neogi, Tony Merriman*  
30 minutes, including time for introduction and question-and-answer period
- Honoree:** *Robert Terkeltaub, La Jolla*  
**Lecture Title:** Follow the Molecule
- 10:30-11:25**      **Summit Session: Immunometabolism in Crystal-Induced Arthritis**  
**Moderators:** *Robert Terkeltaub, Isidoro Cobo*  
15-minute talks, 3 minutes for questions
- Diet and Metabolism in Crystal-induced Inflammation – *Hang Korng Ea, Paris*
  - Immunoproteome and Metabolome – *Leo Joosten, Nijmegen*
  - Metabolic and Epigenomic Linkages in Crystal-Induced Arthritis – *Isidoro Cobo, Birmingham*
- 11:25-11:55**      **Lightning Talk Session 1:**  
10-minute lightning talks with 2 minutes each for questions
- Chairs:** *Hang Korng Ea, Nicola Dalbeth, Leo Joosten*
- Novel Biomarkers in Gout – *Natalie McCormick, Boston*
  - Impact of Urate-Lowering Therapy and Gout flares on the Proteome – *Korng Ea*
- 11:55-12:00**      **Presentation of First Annual G-CAN Junior Faculty Investigator Prize:**  
**Chairs:** *Robert Terkeltaub, Nicola Dalbeth, Tuhina Neogi, Hyon Choi*
- 12:00-13:00**      **Lunch and Availability of Exhibitors**
- 13:00-13:15**      **Special Presentation**
- G-CAN Journal: *Gout, Urate, and Crystal Deposition Disease (GUCDD)* – *Tony Merriman, Tristan Pascart*
- 13:15-14:15**      **G-CAN Early Career Investigator MAPS (Mini-Lecture Abstract Presenters Session) Awardees – Part 2 (Location: )**
- 14:15-14:45**      **Summary and Panel Discussions of Concurrent Workshops by Session Chairs**  
12 minutes each with 3 minutes for questions
- Approaches to Clinical Studies and Trial Design in Hyperuricemia and Gout - *Nicola Dalbeth and Dansoa Tabi-Amponsah*
  - Calcific Crystalline Arthritis - *Abhishek Abhishek, Georgios Filippou, Sara Tedeschi, Geraldine McCarthy*
- 14:45-15:00**      **Break**
- 15:00-17:00**      **Crystal Arthropathy Mini Symposium**

**15:00-15:15** **Voting on GCAN-endorsed gout remission definition**

*Nicola Dalbeth and Dansoa Tabi-Amponsah*

**15:15-17:00** **Lightning Talk Session 2**

**Moderators:** *Nicola Dalbeth, David Mount*

**10 minutes each, followed by 3 minutes for questions per talk**

- G-CAN CPPD Nomenclature Project Progress Report – *Silvia Sirotti*
- Hydrogen sulfide as a cartilage calcification limiting approach – *Sonia Nasi*
- The Pro-Resolving Lipidome in Crystal-Induce Arthritis – *Monica Guma, La Jolla*
- Gout Genomics – *Megan Leask, Otago*
- Trend to younger onset of hyperuricemia and gout in China-*Mingshu Sun, Qingdao*
- Urate Transport by Vitamin C Transporters-*Tappei Takada, Tokyo*
- Effects of Gout Intelligent Management System on kidney function in gout patients -*Changgui Li, Qingdao*
- Mechanism of XOR inhibition by allopurinol and its effect on purine metabolism- *Mai Sekine, Tokyo*

**17:00-17:15** **Adjourn and Final Comments**

*Robert Terkeltaub, Hyon Choi, Chio Yokose, Georgios Filippou*

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**◆ Friday, November 15, 2024**

**Checkout/Departures**

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