



OVARIAN CANCER MIDWEST FOCUS CONFERENCE



November 10 - 11, 2022
The Graduate Hotel
Minneapolis, MN



We are delighted to have your participation in the 4th Annual Ovarian Cancer Midwest Focus (OCMF) conference.

This event will feature in-person and virtual live streamed discussion rounds with national and international speakers.

CONFERENCE PROGRAM COMMITTEE

Martina Bazzaro, Ph.D. University of Minnesota School of Medicine

Ronny Drapkin, M.D., Ph.D. University of Pennsylvania
Perelman School of Medicine

Melissa Geller, M.D., M.S. University of Minnesota School of Medicine

Andrew K. Godwin, Ph.D. University of Kansas Medical Center - Kansas
Institute for Precision Medicine

Gottfried Konecny, M.D. University of California - Los Angeles

Boris Winterhoff, M.D., M.S. University of Minnesota School of Medicine

THURSDAY, NOVEMBER 10

7:15 - 08:00 AM **BREAKFAST**
PINNACLE BALLROOM

Session I: Targeting the Cell of Origin and the Microenvironment of Ovarian Cancer

Pinnacle Ballroom

Moderators

Ronny Drapkin, MD, Ph.D., University of Pennsylvania, Perelman School of Medicine

Andrew K. Godwin, Ph.D., University of Kansas Medical Center, Kansas Institute for Precision
Medicine

8:00 - 08:05 AM **Opening Remarks**

Martina Bazzaro, Ph.D., University of Minnesota School of Medicine

8:05 - 08:10 AM **Welcome**

Joan Gabel, President of the University of Minnesota

Amy Klobuchar, United States Senator from Minnesota

8:15 - 08:45 AM **"PAX8 as a target in high grade serous ovarian cancer"**

***Keynote Speaker** **Joanna Burdette, Ph.D.** University of Illinois, Cancer Center

8:45 - 09:05 AM **"Mesenchymal stem cells: architects of the ovarian cancer stromal
microenvironment"**

Lan Coffman, M.D., Ph.D., University of Pittsburgh School of Medicine

9:05 - 09:25 AM **"Cellular networking via tunneling nanotubes in ovarian cancer"**

Emil Lou, M.D., Ph.D., University of Minnesota School of Medicine

9:25 - 09:45 AM **"Cyclic Immunofluorescence as a geospatial approach to ovarian cancer"**

Sandro Santagata, M.D., Ph.D., Harvard Medical School

9:45 - 10:05 AM **Question and Answer Session**

10:05 - 10:15 AM **Break**

THURSDAY, NOVEMBER 10

10:15 - 10:35 AM **"Mechanobiology in ovarian cancer"**
Sharon Stack, Ph.D., University of Notre Dame

10:35 - 10:55 AM **"Tumor innervation in ovarian cancer"**
Paola Vermeer, Ph.D., University of South Dakota

10:55 - 11:05 AM **Question and Answer Session**

Flash Talks from Abstracts

11:05 - 11:10 AM **"Functional neural circuits promote disease progression in a murine model of HGSOc."**
Anthony Restaino, M.D./Ph.D. Student, University of South Dakota Sanford School of Medicine

11:10 - 11:15 AM **"TRPV1+ sensory innervation as a novel driver of ovarian cancer progression"**
Matthew Knarr, Ph.D., University of Pennsylvania

11:15 - 11:20 AM **"H2Bub1 loss is profound, early, and contributes to clear cell ovarian cancer progression"**
Adam Ferrari, Ph.D. Candidate, University of Pennsylvania

11:20 - 11:25 AM **"UGDH promotes tumor-initiating cells and a fibroinflammatory tumor microenvironment in ovarian cancer"**
Brittney Harrington, Ph.D., National Cancer Institute

11:25 - 11:40 AM **Question and Answer Session**

11:40 AM - 12:05 PM **Lunch**
Pinnacle Ballroom

Sponsor Presentations

12:05 - 12:15 PM **Amy Muckala**, Merck

12:15 - 12:25 PM **Kelly Biette**, MercyBio

12:25 - 12:35 PM **Sarah Ussery**, Mersana

12:35 - 12:45 PM **Question and Answer Session**

12:45 - 1:40 PM **Poster Session**
Pathways

THURSDAY, NOVEMBER 10

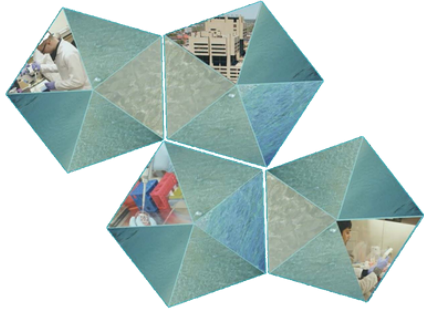
Session II: Ovarian Cancer Cells

Pinnacle Ballroom

Moderator

Paola Vermeer, Ph.D., University of South Dakota

- 1:45 - 02:05 PM** "Targeting quiescent cancer cells to overcome chemotherapy resistance"
Ron Buckanovich, M.D., Ph.D., Magee Women's Research Institute & Foundation
- 2:05 - 02:25 PM** "Modulating tumor immune response, tumor stemness, and treatment resistance by targeting microRNA-181a"
Analisa DiFeo, Ph.D., University of Michigan School of Medicine
- 2:25 - 02:45 PM** "Unfolded protein response pathway and ovarian cancer stem cells"
Daniela Matei, M.D., Northwestern Feinberg School of Medicine
- 2:45 - 02:55 PM** Question and Answer Session
- 2:55 - 03:05 PM** Break
- 3:05 - 03:25 PM** "Post-treatment enrichment of ovarian cancer stem cells"
Bo R. Rueda, Ph.D., M.S., Department of Obstetrics and Gynecology, Massachusetts General Hospital
- 3:25 - 03:45 PM** "Harnessing the anti-angiogenic and anti-cancer stem cell properties of FKBPL; discovery to clinic in ovarian cancer"
Tracy Robson, Ph.D., RCSI, Dublin, Co. Dublin, Ireland
- 3:45 - 04:15 PM** "Women who beat the odds: Molecular analysis of long-term high grade serous ovarian cancer survivors"
***Keynote Speaker**
David Bowtell, Ph.D., Peter MacCallum Cancer Centre, Melbourne VIC, Australia
- 4:15 - 04:30 PM** Question and Answer Session
- 4:30 - 04:35 PM** Closing Remarks
Paola Vermeer, Ph.D., University of South Dakota



END OF DAY 1

4:30 - 7:30 PM
Pinnacle Foyer

Welcome Reception
and Social Hour

6:30 PM
The Graduate Hotel
Lobby

Air Hockey
Tournament

FRIDAY, NOVEMBER 11

7:15 - 08:00 AM **BREAKFAST**
PINNACLE BALLROOM

Session I: Tumor Microenvironment 2 and Aging **Pinnacle Ballroom**

Moderator

Martina Bazzaro, Ph.D., University of Minnesota

- 8:00 - 8:05 AM** **Opening Remarks**
Martina Bazzaro, Ph.D., University of Minnesota Medical School
- 8:05 - 8:10 AM** **Welcome**
Dean Jakub Tolar, M.D., Ph.D., University of Minnesota Medical School
- 8:10 - 8:30 AM** **"The Epigenome of Tubal Precursors and Ovarian Cancer"**
Hui Shen, Ph.D., Van Andel Institute
- 8:30 - 8:50 AM** **"Adaptive responses contributing to treatment resistance in ovarian cancer"**
Jeremy Chien, Ph.D., University of California - Davis
- 8:50 - 9:10 AM** **"Modeling Ovarian Cancer in Post-menopausal setting"**
Kathleen Cho, M.D., University of Michigan School of Medicine
- 9:10 - 9:20 AM** **Question and Answer session**
- 9:20 - 9:30 AM** **Break**
- 9:30 - 9:50 AM** **"Rewiring of Transcriptional Circuits During Ovarian Cancer Development"**
Kate Lawrenson, Ph.D., Cedars Sinai Research Center
- 9:50 - 10:10 AM** **"Why the fallopian tube?"**
Shailja Pathania, Ph.D., University of Massachusetts, Boston

FRIDAY, NOVEMBER 11

10:10 - 10:30 AM "Gamma Delta T Cells in Ovarian Cancer"
Michael Uhlin, Ph.D., Karolinska Institute, Sweden

10:30 - 10:40 AM Question and Answer session

10:40 - 10:50 AM Break

Flash Talks from Abstracts

10:50 - 10:55 AM "The Dietary Supplement Taurine Reactivates CDKN1A to Suppress Ovarian Cancer Growth"
Marcin Iwanicki, Ph.D., Stevens Institute of Technology

10:55 - 11:00 AM "Cell-derived Extracellular matrix remodeling a key orchestrator of ovarian chemoresistance"
Pilar de la Puente, Ph.D., Sanford Research

11:00 - 11:05 AM "Cancer-associated mesothelial cells promote the early stages of ovarian cancer metastasis"
Preety Bajwa, Ph.D., University of Chicago

11:05 - 11:10 AM "Single cell epigenomic profiling of high grade serous carcinoma"
Alexandre Gaspar-Maia, Ph.D., Mayo Clinic

11:10 - 11:25 AM Question and Answer session

11:25 AM - 11:45 AM Lunch
Pinnacle Ballroom

Sponsor Presentations

11:45 - 11:55 AM Indra Chaudhury, Caris

11:55 AM - 12:00 PM Question and Answer session

12:00 - 12:55 PM Poster Session
Pathways

FRIDAY, NOVEMBER 11

Session II: Tumor Translating Innovations to the Clinic

Pinnacle Ballroom

Moderators

Gottfried Konecny, M.D., University of California - Los Angeles

Boris Winterhoff, M.D. M.S., University of Minnesota School of Medicine

- 1:00 - 1:20 PM** "On the Road to Precision Medicine in Ovarian Cancer: One Cell at a Time."
Boris Winterhoff, M.D., M.S., University of Minnesota School of Medicine
- 1:20 - 1:40 PM** "Targeting AXL as a novel strategy"
Katherine Fuh, M.D., Ph.D., University of California, San Francisco
- 1:40 - 2:00 PM** "Immunotherapy of Ovarian Cancer"
Oliver Dorigo, M.D., Ph.D., Stanford School of Medicine
- 2:00 - 2:15 PM** Question and Answer Session
- 2:15- 2:20 PM** Break
- 2:20 - 2:40 PM** "Identification of PKMYT1 as a vulnerability in CCNE1-amplified cancers"
Daniel Durocher, Ph.D., Lunenfeld-Tanenbaum Research Institute
- 2:40 - 3:00 PM** "Heterogeneity of acquired resistance in ovarian cancer"
Liz Christie, Ph.D., Peter MacCallum Cancer Centre
- 3:00 - 3:10 PM** Question and Answer Session
- 3:10 - 3:15 PM** Closing Remarks
Boris Winterhoff, M.D., M.S., University of Minnesota Medical School
Gottfried Konecny, M.D., University of California - Los Angeles

Thank you for attending the
Ovarian Cancer Midwest Focus conference!

We gratefully acknowledge the following organizations for their financial contributions to this conference.

Thank you to our sponsors!





gratitude

Ethel N. Ruvelson Memorial Lectureship in Ovarian Cancer

**On behalf of the OCMF Program Chairs, we would like
to express our sincere gratitude to
the Ethel N. Ruvelson Memorial Lectureship in Ovarian Cancer
for their generous support of this conference.**

**The Ethel N. Ruvelson Memorial Lectureship in Ovarian Cancer fund helps us
continue to fund vital research lectureships and provide educational programs
for our faculty and clinical researchers
at the University of Minnesota.**