

Obstetrics & Gynecology NEWSLETTER

SCIENCE FEATURES:

Chaluvally Lab Uncovers Potential Therapeutic Target and Biomarker for Ovarian Cancer and Other Malignancies

Research from the Chaluvally Lab identified a protein that targets and amplifies the impact of the cMYC oncogene – a gene either mutated or overexpressed in a significant number of tumor tissues in patients with ovarian cancer. The protein, FXR1, is an RNA-binding protein linked to cancer development and progression and is often highly elevated in patients with ovarian cancer. — “It holds great potential for suppressing cMYC not only in ovarian cancer but in lung, cervical, and esophageal cancers, which all express high levels of FXR1,” says Chaluvally-Raghavan.

First and Only Approved Antibody-Drug Conjugate (ADC) for Recurrent or Metastatic Cervical Cancer

The approved drug came from the study that Dr. William Bradley was a PI on—GOG-3023 (InnovaTV 204): A Single Arm, Multicenter, International Trial of Tisotumab Vedotin (HuMAX[®]-TF-ADC) in Previously Treated, Recurrent or Metastatic Cervical Cancer, in which the U.S. Food and Drug Administration (FDA) has granted accelerated approval to TIVDAK[™] (tisotumab vedotin-tftv), the first and only approved antibody-drug conjugate (ADC) for the treatment of adult patients with recurrent or metastatic cervical cancer with disease progression on or after chemotherapy.

RAY OF HOPE

Ray of Hope is a non-profit organization established in 2018 in the Greater Milwaukee Area in response to the need for more advocacy for ovarian cancer awareness. All donations and fundraising go right to our department in support of our ovarian cancer research.

They've helped raise over \$22,000 in the past year. We are so grateful for their dedication to raising these funds for our cancer research.

The next walk/run will be June 4, 2022. Register by visiting our website.



NEW GRANTS:

- **Pradeep Chaluvally-Raghavan, PhD:** Department of Defense (DoD) — W81XWH-21-0365 — Translational Regulation of Oncoproteins by FXR1 CNV in Ovarian Cancer
- **Sunila Pradeep, PhD:** Department of Defense (DoD) — W81XHW-21-10413 — Sphingosine-Mediated Immune Suppressive Effects in Ovarian Cancer
- **Sunila Pradeep, PhD:** Department of Defense (DoD) — W81XWH-210361—Targeting Epigenomic Adaptations to Overcome Drug Resistance in Ovarian Cancer

WELCOME:

Zachary Colvin, DO—Assistant Professor in Maternal-Fetal Medicine, joining us our Medical College of Wisconsin MFM Fellowship Program



Kimberly Gecsi, MD —Professor and Vice Chair Clinical Operations in Obstetrics and Gynecology and Community Physicians, joining us from Case Western Reserve University



Shawn Hake, PA-C—Certified Physician Assistant in General Obstetrics and Gynecology, joining us from Froedtert West Bend Hospital



Jocelyn Budzien, PA-C—Certified Physician Assistant in Urogynecology, joining us from Froedtert Emergency Medicine.



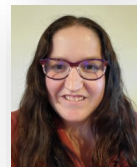
Carissa Aboubakare, NP—Nurse Practitioner in General Obstetrics and Gynecology, joining us back from Ascension Columbia St Mary's



Jamie Neary, NP—Nurse Practitioner in Reproductive Endocrinology & Infertility, joining us back from Waukesha Women's Health Care, SC



Melissa DeNomie—Program Manager (ObGyn - SPARCC & The Kern Institute), joining us from MCW—Family and Community Medicine



Carrie Berg —Sr. Financial Analyst, joining us from MCW's Clinical Trials Office (CTO)

Stay in touch and follow us!
Have something to share?
Send it our way!

WORK ANNIVERSARIES:5 years:

- Lisa Caravella, NP—Nurse Practitioner in Gynecologic Oncology



- Amy Donahue, CGC—Certified Genetic Counselor



- Deepak Parashar, PhD—Research Scientist

10 years:

- Breanna Ries, PA-C—Certified Physician Assistant in General Obstetrics and Gynecology

CLINIC UPDATE:**Heart Disease in Pregnancy Program —**

As a team approach that includes Dr. Meredith Cruz, Dr. Erika Peterson, cardiologists and an anesthesiologist, our multidisciplinary team provides the full scope of services including:

- Preconceptual counseling and risk stratification
- Pregnancy care, including development of an individualized labor plans
- Access to fetal echocardiography throughout your pregnancy
- Coordinated postpartum care including counseling



✓ MARK YOUR CALENDARS:

We are so excited to bring our Endowed Lectures back this year! See details below.

March 9, 2022: Eleanor Delfs, MD Lectureship for Pioneers

Anne Z. Steiner, MD, MPH from Editor in Chief, F&S Reviews

"Biomarkers of Reproductive Potential "

June 8, 2022: E. James Aiman, MD Endowed Lectureship.

AnnaMarie Connolly, MD, FACOG—Chief of Education and Academic Affairs for ACOG

TBA

June 22, 2022 Resident and Fellow Research & Alumni Day

TBA

June 24, 2022: Resident and Fellow Graduation

July 1, 2022:

- **9 Resident Interns start**
- **1 Maternal-Fetal Medicine Fellow starts**
- **1 Gynecologic Oncology Fellow starts**

OBGYN Resident Alumnus, Bob Jaeger, MD, passed away on February 20, 2022.

Dr. Jaeger began his medical practice at the Rice Clinic and St. Michael's Hospital where he remained until his retirement in 2006. He received several distinguished awards during his career, including the WI Medical Society 2005 Meritorious Service Award and the Physician's Recognition Award from the AMA. In 2006 Bob received the Outstanding District Service Award from ACOG. In 2019 he received the Presidential Citation Award from the WI Medical Society.

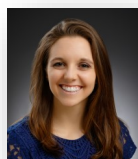


DEPARTMENT NEWS:

- **Amy Domeyer-Klenske, MD** — testified in front of the Senate Committee in support of Senate Bill 562 for Extension of Medicaid Eligibility for postpartum women.
- **Elizabeth Hopp, MD; Allison Linton, MD; Ling Wang, MD, PhD; Yiwen Cui, MD ('23); Zachary Colvin, DO; Kristine Graettinger, MD; Michael Lund, MD; Tyshunda Manning, MD; Rebecca Sigourney, MD ('24); Robert Rydze, MD; and Cristina Young, MD ('25)** were all recipients of the 2020-2021 Teacher Recognition Pins for outstanding medical school teachers.
- **Our Maternal Fetal Care Center (MFCC)** was rated "High Performing in Maternity Care (Uncomplicated Pregnancy)" in U.S. News & World Report's Best Hospitals for Maternity.
- **Denise Uyar, MD; William Bradley, MD; and Elizabeth Hopp, MD** was featured on MCW Department of Medicine's Word on Medicine series regarding HPV and Cervical Cancer.
- **Pradeep Chaluvaly-Raghavan, PhD** received the 2022 Molecular Systems Medicine Excellence Award from the Center of Systems Molecular Medicine for his award-winning publication—RNA-binding protein FXR1 drives cMYC translation by recruiting eIF4F complex to the translation start site. Cell Rep. 2021 Nov 2;37(5):109934.

ALUMNI CORNER:

We'd like to hear from you! Please send us your updates to: obgynresidency@mcw.edu

CLASS OF 2022 RESIDENT GRADUATES:

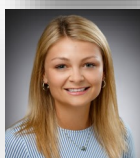
Morgan Briggs, MD —Generalist,
Ascension Medical Group: Franklin/
Racine, WI



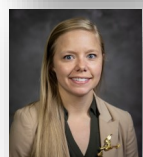
Ciera Oshodi, MD —Academic
Generalist at University of Texas Health
in Houston, TX



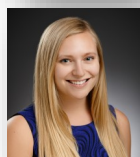
Sarah Evans, MD—Generalist,
University of MD: Baltimore Washington
Medical Center



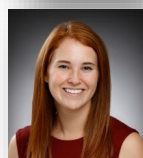
Kristen Sterns, MD —Fellowship,
Gynecologic Oncology: Wake Forest
Baptist Hospital North Carolina in
Winston-Salem, NC



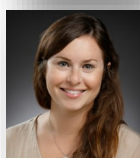
Ariana Hess, MD—Fellowship,
Pediatric/Adolescent Gynecology:
Phoenix Children's Hospital in Phoenix,
AZ



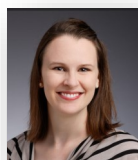
Abigail Strong, MD —Generalist,
Gundersen Health System: LaCrosse,
WI



Nora Miles, MD —Generalist, Partners
Physician Group: Akron, OH



Alina Tvina, MD —Maternal-Fetal
Medicine Fellowship, MCW in
Milwaukee, WI

CLASS OF 2022 FELLOW GRADUATE:

M Christine Livergood, MD —
Maternal-Fetal Medicine, Missouri
Baptist Medical Center in St. Louis, MO



To support our department in research or education, visit our website at <https://obgyn.mcw.edu/about/donate/> or call (414) 955-4711 to donate.

RESIDENT NEWS:

- We have been approved to grow our residency complement to 9 interns per year starting in 2022-23!
- **Rama Aliani, MD ('24) and Blake Nueberg ('24)** - Elected Junior Fellow Vice Chair for ACOG WI Section.
- **Zack Schoppen, MD ('23)** - Chosen as one of 10 residents from across the country to attend the annual conference of The Society for Academic Specialists in General Obstetrics and Gynecology (SASGOG) as a Resident Reporter.



PUBLICATIONS:

Sapienza LG, Ning MS, **de la Pena R**, McNew LK, Jhingran A, Georgeon L, Rasool N, Gomes MJL, Abu-Isa E, Baiocchi G. *Int J Gynecol Cancer*. 05/08/2020 PMID: 32376738

Smith NJ, Nance BA, Durham LA, **McAlarnen LA**, **Bishop EA**, Zundel MT. Extracorporeal Membrane Oxygenator Failure in a Patient With Gestational Trophoblastic Neoplasm: Possible Mechanisms and Considerations in Critical Care. *J Cardiothorac Vasc Anesth*. 2021 Oct 01 PMID: 34649807

McAlarnen LA, Smith NJ, Nance BA, Tracy Zundel M, **Bishop EA**. Acute cardiopulmonary failure in a young woman with high-risk gestational trophoblastic neoplasia: A case of induction chemotherapy during extracorporeal membrane oxygenation. *Gynecol Oncol Rep*. 2021 Aug PMID: 34458540

Colombo N, Moore K, Scambia G, Oaknin A, Friedlander M, Lisyanskaya A, Floquet A, Leary A, Sonke GS, Gourley C, Banerjee S, Oza A, González-Martín A, Aghajanian C, **Bradley WH**, Kim JW, Mathews C, Liu J, Lowe ES, Bloomfield R, DiSilvestro P. Tolerability of maintenance olaparib in newly diagnosed patients with advanced ovarian cancer and a BRCA mutation in the randomized phase III SOLO1 trial. *Gynecologic Oncology*. October 2021 SCOPUS ID: 2-s2.0-85111728009 10/01/2021

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George J, Li Y, Kadamberi IP, **Parashar D**, Tsaih SW, **Gupta P**, **Geethadevi A**, Chen C, Ghosh C, Sun Y, **Mittal S**, Ramchandran R, Rui H, Lopez-Berestein G, Rodriguez-Aguayo C, Leone G, **Rader JS**, Sood AK, Dey M, **Pradeep S**, **Chaluvally-Raghavan P**. RNA-binding protein FXR1 drives cMYC translation by recruiting eIF4F complex to the translation start site. *Cell Rep*. PMID: 34731628 11/04/2021

Geethadevi A, Nair A, **Parashar D**, Ku Z, Xiong W, Deng H, Li Y, **George J**, McAllister DM, Sun Y, Kadamberi IP, **Gupta P**, Dwinell MB, **Bradley WH**, **Rader JS**, Rui H, Schwabe RF, Zhang N, **Pradeep S**, An Z, **Chaluvally-Raghavan P**. Oncostatin M Receptor-Targeted Antibodies Suppress STAT3 Signaling and Inhibit Ovarian Cancer Growth. *Cancer Res*. 5352 PMID: 34380633 08/13/2021

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Ellinas EH, Ark TK, **Kaljo K**, Quinn KG, Krier CR, Farkas AH. Winners and Losers in Academic Productivity During the COVID-19 Pandemic: Is the Gender Gap Widening for Faculty? *J Womens Health (Larchmt)*. 2021 Dec 17 PMID: 34935469 12/23/2021

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- Klatt TE**, Sachs JF, Huang CC, Pilarski AM. Building a Program of Expanded Peer Support for the Entire Health Care Team: No One Left Behind. *Jt Comm J Qual Patient Saf.* 2021 12;47(12):759-767 PMID: 34580016 09/29/2021
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- Opichka MA, Rappelt MW, Gutterman DD, Grobe JL, **McIntosh JJ**. Vascular Dysfunction in Preeclampsia. *Cells.* 2021 11 06;10(11) PMID: 34831277 11/28/2021
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- Palatnik A**, Walker RJ, Thakkar MY, Egede LE. Social Adaptability Index and Pregnancy Outcomes in Women With Diabetes During Pregnancy. *Diabetes Spectr.* 2021 Aug;34(3):268-274 PMID: 34511853 09/14/2021
- Rydze RT**, Patton BK, Briley SM, Salazar Torralba H, Gipson G, James R, Rajkovic A, Thompson T, Pangas SA. Deletion of Gremlin-2 alters estrous cyclicity and disrupts female fertility in mice†. *Biol Reprod.* 2021 11 15;105(5):1205-1220 PMID: 34333627 08/02/2021
- Differences in Utilization of Perinatal Psychiatric Teleconsultation Line Between Primary Care and Mental Health Providers. (Slocum SE, **Wichman CL**, Kuehn S, Doering J) *WMJ* 2021 Dec;120(4):281-285 PMID: 35025175 01/14/2022
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