

**Department of Obstetrics & Gynecology**

**Basic Science Research Newsletter – Volume 1 Fall Issue (2016)**

**Join Us for the**

**OB/Gyn Basic Science Happy Hour/BBQ**

**Friday, September 30th @ 4:00 pm**

**Lorry Lokey Stem Cell Building**

**Conference Room G1161**

**Seminar**

**Speaker- Virginia D. Winn, MD, PhD**

Pregnancy, Placenta and Preeclampsia

Overview of Winn Lab Research

**Followed by Potluck in Adjacent Courtyard**

**(Drinks will be provided. Please bring a favorite food to share)**

**ANNOUNCEMENTS:**

**UPDATE ON GRANT REMODEL**



* Grant 3rd Floor OB/Gyn “refresh” is complete.  Thank you to everyone for your patience and assistance with this project.  A very special thanks to **Ellen Lewanda and Cindy Klein** for all their assistance in getting the lab remodel organized and completed. Couldn’t have done it without you!!
* The **Li-Cor Odyssey Fc Imaging System** has been ordered and will be set up in Room S357 in the near future. This equipment replaces the developer and provides so much more! It can image ECL and provides 2-color multiplex detection using near-infrared fluorescence in addition imaging DNA gels and total protein loading! A HUGE THANKS to **Bruce Schaar** (Dorigo Lab) and **Neelima Bhat** (Teng Lab) for spear-heading the developer replacement project!!

**NEW FACES**

* **Jocelyn Ray**, PGY 3, is doing her third-year elective in the Dorigo lab.
* **Jennifer Adams**, Stanford undergraduate is doing a joint research project in the Winn and Fordyce Labs

**ACCOMPLISHMENTS**

* **Supreeti Tallapragada** passed her master's degree proposal defense with flying colors. Her committee was very impressed with her progress in the Dorigo lab. Congratulations Supreeti!!

**FUNDING NEWS**

* **Nadine Martinez** (Winn Lab) received the IRACDA (Institutional Research and Academic Career Development Award) Postdoctoral Fellowship. The Stanford-San José State University IRACDA Program supports postdoctoral scholars in the biosciences who have a demonstrated interest in teaching, research, and supporting diversity in the STEM fields. IRACDA scholars are mentored in top-level research at Stanford while also receiving training and gaining experience in pedagogy, teaching, and mentoring at San José State University (SJSU).  The program is supported by the division of [NIGMS](http://www.nigms.nih.gov/)at NIH.
* **Frauke von Versen-Hoeynck** (Winn Lab) was awarded a Boehringer Ingelheim Foundation grant entitled "Exploring the microRNA profile of endothelial progenitor cells after preeclampsia - determining opportunities for improving cardiovascular health.”
* **Jennifer Adams**, Stanford undergraduate (Mentors Winn and Polly Fordyce, Assistant Professor of Genetics and of Bioengineering) received a TRAM pilot grant entitled “Spectrally encoded bead assay for preeclampsia using image-based proteolytic profiling of pregnancy proteases.”
* **Virginia Winn** received one of the Stanford Cardiovascular Institute 2016 Seed Grant Awards for project entitled “Endothelial Dysfunction in Preeclampsia: Contribution of Circulating Progenitor Cells”

**PUBLICATIONS**

* “[Hypoxic control of metastasis.](http://www.ncbi.nlm.nih.gov/pubmed/27124451)” **Rankin EB**, Giaccia AJ. Science. 2016 Apr 8;352(6282):175-80. doi: 10.1126/science.aaf4405. Epub 2016 Apr 7. Review.
* “[Activation of dormant follicles: a new treatment for premature ovarian failure?](http://www.ncbi.nlm.nih.gov/pubmed/27022685)” Kawamura K, Kawamura N, **Hsueh AJ**. Curr Opin Obstet Gynecol. 2016 Jun;28(3):217-22.
* “[Assessing the use of the IUGA/ICS classification system for prosthesis/graft complications in publications from 2011 to 2015.](http://www.ncbi.nlm.nih.gov/pubmed/27250834)” English E, Solomon M, **Chen B**, Rogo-Gupta L. Int Urogynecol J. 2016 Jun 1. [Epub ahead of print]
* “[Hemophagocytic lymphohistiocytosis as a paraneoplastic syndrome associated with ovarian dysgerminoma.](http://www.ncbi.nlm.nih.gov/pubmed/27354999)” Nosratian-Baskovic M, Tan B, Folkins A, Chisholm KM, **Dorigo O**. Gynecol Oncol Rep. 2016 Jun 4;17:38-41. doi: 10.1016/j.gore.2016.05.013.
* “[Pharmacological activation of FOXO3 suppresses triple-negative breast cancer in vitro and in vivo.](http://www.ncbi.nlm.nih.gov/pubmed/27283899)

Park SH, Chung YM, Ma J, Yang Q, Berek JS, **Hu MC**. Oncotarget. 2016 Jun 7. doi: .18632/oncotarget.9881. [Epub ahead of print]

* “[Polycomb repressive complex 2 regulates skeletal growth by suppressing Wnt and TGF-β signalling.](http://www.ncbi.nlm.nih.gov/pubmed/27329220)”

Mirzamohammadi F, Papaioannou G, Inloes JB, **Rankin EB**, Xie H, Schipani E, Orkin SH, Kobayashi T.

Nat Commun. 2016 Jun 22;7:12047. doi: 10.1038/ncomms12047.

* “[Spatiotemporal Reconstruction of the Human Blastocyst by Single-Cell Gene-Expression Analysis Informs Induction of Naive Pluripotency.](http://www.ncbi.nlm.nih.gov/pubmed/27404362)” Durruthy-Durruthy J, Wossidlo M, Pai S, Takahashi Y, Kang G, Omberg L, **Chen B**, Nakauchi H, Reijo Pera R, **Sebastiano V**. Dev Cell. 2016 Jul 11;38(1):100-15. doi: 10.1016/j.devcel.2016.06.014.
* “Rejuvenation on the Road to Pluripotency. In Pluripotent Stem Cells - From the Bench to the Clinic.” Sarkar, T. J., & **Sebastiano, V**. (2016, Jul 20). InTech. <http://doi.org/10.5772/63219>.
* “[In Vitro Activation of Follicles and Fresh Tissue Auto-transplantation in Primary ovarian insufficiency Patients.](http://www.ncbi.nlm.nih.gov/pubmed/27571179)” Zhai J, Yao G, Dong F, Bu Z, Cheng Y, Sato Y, Hu L, Zhang Y, Wang J, Dai S, Li J, Sun J, **Hsueh AJ**, Kawamura K, Sun Y. J Clin Endocrinol Metab. 2016 Aug 29:jc20161589. [Epub ahead of print]
* “[Radiation Therapy for Recurrent Clear-Cell Cancer of the Ovary.](http://www.ncbi.nlm.nih.gov/pubmed/27575628)” Westhoff GL, Fuh KC, Longacre TA, McNally JL, Hsu IC, Kapp DS, **Teng N**, Chen LM. Int J Gynecol Cancer. 2016 Aug 29. [Epub ahead of print]
* “[Sonographic Evaluation for Endometrial Polyps: The Interrupted Mucosa Sign.](http://www.ncbi.nlm.nih.gov/pubmed/27629758)” Kamaya A, Yu PC, Lloyd CR, **Chen BH**, Desser TS, Maturen KE. J Ultrasound Med. 2016 Sep 14. pii: 15.09007. [Epub ahead of print]
* Paper accepted to *Reproductive Sciences*.  "Umbilical Cord Blood Circulating Progenitor Cells and Endothelial Colony-forming Cells are Decreased in Preeclampsia” Gumina D, C Black, V Balasubramaniam, **VD Winn**\* and C Baker\*. (\*co-senior author).

**Best Wishes to those no longer with our department:**

* **Yi Feng (Hsueh Lab)**
* **Yi Wei (Chen Lab)**
* **Prachi Guijar (Chen Lab)**
* **Young Min Chung (Hu Lab)**

**UPCOMING DATES:**

**Ovarian Cancer Focus Group**

Monthly - Fridays 3:15-5:45 pm in OBGYN Conference Rm H330

October 14th, November 11th, and December 9th

**Placenta Club**

Monthly - Mondays 12-1 pm in Peds Conference Rm G330

October 17th, November 14th

**Dorigo Journal Club**

Weekly - Mondays 9-11 am in OBGYN Conference Rm H330 or OBGYN Library H331

If interested, contact Qi Shen (qishen@stanford.edu) to be put on the mailing list for announcements

Please send any news, announcements or photos for the next newsletter to *Daychin Campbell* ([daychin@stanford.edu](mailto:daychin@stanford.edu)).



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