Accolades and Newsworthy Notes

**Wayne State University School of Medicine 2016 faculty awards**

Congratulations to our Program members, Dr. Karin List (Pharmacology) and Dr. Kang Chen (Obstetrics and Gynecology) and Dr. Rouba Ali-Fehmi (Pathology and Obstetrics & Gynecology)!

Drs. List and Chen each received the coveted Research Excellence Award from Wayne State University School of Medicine. This award marks high achievement and research excellence with demonstrated independence, a strong record of productivity and a solid continuing record of career accomplishments with sustained extramural support. Dr. Ali-Fehmi received a College Teaching Award for her excellence in instructional guidance.

These accolades, bestowed upon our members by the School of Medicine, are superb examples of our Program's academic accomplishments.

**Bioactive Lipids in Cancer, Inflammation and Related Diseases**

Program member, Dr. Kenneth Honn, distinguished professor, and executive committee and board member of the conference organizing committee, along with colleagues, announced the 2017, 15th international conference to be held in Puerto Vallarta, Mexico. For abstract submission and conference details, link here: [http://bioactivelipidsconf.wayne.edu/index.php](http://bioactivelipidsconf.wayne.edu/index.php)

**A new patented compound**

Dr. Cecilia Speyer announced her success in patenting a compound developed within the WSU incubator and FDA Roadmap projects. She is continuing animal studies using this immunoconjugate (IgA attached to a folate) for triple negative breast cancer.

**BrainStorm 2016 Symposium**

Program member Dr. Alexander Gow, Charles H. Gershenson distinguished fellow, associate director and professor of the WSU center for molecular medicine and genetics and professor of pediatrics and neurology and colleagues announced the 2016 Brainstorm 2016, a Brain Research Symposium held on September 29, 2016. The keynote speaker was Kamil Ugurbil, PhD, director of the Center for Magnetic Resonance Research at the University of Minnesota. The symposium promotes communication and collaboration in neuroscience and brain research, facilitates neuroscience education in both undergraduate and graduate students and improves awareness of brain research at WSU. [https://www.med.wayne.edu/news/2016/09/13/brain-storm-2016-brings-together-researchers-in-neurosciences/](https://www.med.wayne.edu/news/2016/09/13/brain-storm-2016-brings-together-researchers-in-neurosciences/)

**A nifty educational visual publication and a star is born!**

Dr. Mary Kosir’s group has been visualized in the Journal of Visual Experiments. Authors are Daniel Xie, Donghong Ju (Jed), Cecilia Speyer, David Gorski and Mary Kosir. The video instructional manuscript describes a tube formation assay to quantify the effects of a given compound or condition on angiogenesis by using endothelial cell tube formation in a controlled environment. Many of us know Jed, the lead star in the video, as she regularly attends our Program meetings. Jed is so natural in the clip found here. [http://www.jove.com/video/54074](http://www.jove.com/video/54074)

**Pathology Lecture Series**

Several of our TBM Program members are deeply involved with the Pathology Department. This group, including, Drs. Shijie Sheng, Hyeong-Reh Kim, Wael Sakr and colleagues welcomed Heidi L. Ford, Professor, Department of Pharmacy.

**Biological Sciences Seminar Series**

On October 24, Dr. Karen A. Beningo hosted Dr. Edna Cukieman from Fox Chase Cancer Center. Dr. Cukieman shared her expertise partly gained from her work at the NIH in a talk titled ‘Pancreatic cancer associated desmoplasia, a tale of two integrins’. Dr. Cukieman is noted for the development of a cell derived extracellular matrix in which she characterized and defined classes of focal adhesions.
Working toward our research strategic plan
In alignment with the Institute research strategic plan, Dr. Sheng announced the formation of the Epigenetics Workgroup. This newly formed research group will address epigenetics and small molecular imaging. Scientific themes emerged from a brainstorming session with fundamental cell metabolism as a driving force. The unique aspects of cell metabolism will include the role of mitochondria and protein modifications that govern genetics. Initial participants are: Drs. Shijie Sheng, Juri Gelovani, Fei Chen, Yubin Ge, Benjamin Kidder, Mary Kay Pflum, Lori Pile, Zhihui Qin, Douglas Ruden, Zengquan Yang, Zhe Yang, and Xiaohong (Mary) Zhang. Please keep a lookout for future news regarding this initiative.

Wayne State University Campus News
President M. Roy Wilson was featured in the Detroit Free Press on October 16. President Wilson walks about campus and enlightens readers on diversity and recruitment efforts, especially our successes at the SOM, campus housing, litter (a good thing) and MORE. Remember, say nice things about Detroit and read the story and see our campus photos here: http://www.freep.com/story/news/education/2016/10/16/wayne-state-university-president-wilson/91994290/

Women in Medicine and Science (WIMS)
Co Chair, Dr. Li Li and our Program members, Drs. Izabela Podgorski, Nabanita Datta, Shijie Sheng (Leader) and several faculty peers launched a new initiative at Wayne State University titled ‘Women in Medicine and Science Advisory Committee’. This group aims to create an interactive culture on our campus which focuses on peer mentoring for camaraderie, personal growth and career development. The brown bag vignetted, held on October 21 featured the topic ‘What to do when your voice isn’t heard’ followed by discussion. The quorum is held on the 3rd Friday of each month at 1140 Scott Hall. All Faculty are welcomed. Contact any one of our participating Program members, noted above, for additional information. The acronym is so clever! If you say it really fast it almost sounds like ‘women’s’! Cheers. Look for future

New Funding $$$ Wayne State University Library
Dr. Sheng reminded attendees that WSU Library recently announced funding to underwrite publication charges for materials published in fee based peer reviewed openly access venues. Applicants can request up to $1000. Details and restrictions can be found on the WSU library home page. https://library.wayne.edu/blog/blog/2016/10/03/faculty-want-to-make-your-work-open-access-apply-for-funding-from-the-libraries/

Upcoming or recent local, national and international presentations
On November 12, the Michigan Society of Pathologists held their 2016 Fall conference at the Dearborn Inn. Many of our membership were noted as moderators on the 2016 Fall agenda including Drs. Ulka Vaishampayan, Michael Cher, and Wael Sakr. If you are interested in joining this professional group, details can be found here: http://www.michpath.org/

Hot off the Press – SELECTION OF PUBLICATIONS

A Double Dip for Dr. Avi Raz! Two papers published on the same date!

Oncotarget. 2016 Oct 12
Positive associations between galectin-3 and PSA levels in prostate cancer patients: a prospective clinical study-I
Nakajima K, Heilbrun LK, Hogan V, Smith D, Heath E, Raz A
PMID: 27741512

Oncotarget. 2016 Oct 12
The influence of PSA autoantibodies in prostate cancer patients: a prospective clinical study-II
Nakajima K, Heilbrun LK, Smith D, Hogan V, Raz A, Heath E
PMID: 27741522

Oncotarget. 2016 Jul 29
Repurposing phenformin for the targeting of glioma stem cells and the treatment of glioblastoma
Jiang W, Finniss S, Cazacu S, Xiang C, Brodie Z, Mikkelsen T, Poisson L, Shackelford DB, Brodie C
PMID: 27486821

Adverse Effects of Voriconazole: Over a Decade of Use
Levine MT, Chandrasekar PH
PMID: 27581783
IL-4 Induces Metallothionein 3- and SLC30A4-Dependent Increase in Intracellular Zn(2+) that Promotes Pathogen Persistence in Macrophages
PMID: 27653687

Safety and efficacy of the keystone and rhomboid flaps for immediate reconstruction after wide local excision of non-head and neck melanomas
Taleb M, Choi L, Kim S
PMID: 27756412

Does FLT3 mutation impact survival after hematopoietic stem cell transplantation for acute myeloid leukemia? A Center for International Blood and Marrow Transplant Research (CIBMTR) analysis
PMID: 27315441

Characterization of tunnel mutants reveals a catalytic step in ammonia delivery by an aminoacyl-tRNA amidotransferase.
Zhao L, Rathnayake UM, Dewage SW, Wood WN, Veltri AJ, Cisneros GA, Hendrickson TL
PMID: 27500385

Human lung fibroblasts produce pro-resolving peroxisome proliferator-activated receptor-gamma ligands in a cyclooxygenase-2 dependent manner
PMID: 27612965

Metabolic Stress Induces Caspase-3 Mediated Degradation and Inactivation of Farnesyl and Geranylgeranyl Transferase Activities in Pancreatic β-Cells
Veluthakal R, Arora DK, Goalstone ML, Kowluru RA, Kowluru A
PMID: 27802439

Characterization of Eicosanoids Produced by Adipocyte Lipolysis: IMPLICATION OF CYCLOOXYGENASE-2 IN ADIPOSE INFLAMMATION
PMID: 27246851

Oncotarget. 2016 Aug 12
Matriptase regulates c-Met mediated proliferation and invasion in inflammatory breast cancer
PMID: 27528224

Oncotarget. 2016 Aug 15
Conditional ablation of HDAC3 in islet beta cells results in glucose intolerance and enhanced susceptibility to STZ-induced diabetes
PMID: 27542279
miRNA miR-17-92 cluster is differentially regulated in the imiqumod-treated skin but is not required for imiqumod-induced psoriasis-like dermatitis in mice
Wu D, Bi X, Qu L, Han L, Yin C, Deng J, Dong Z, Mi QS, Zhou L
PMID: 27579777

TIM-4 is expressed on invariant NKT cells but dispensable for their development and function
Zhang X, Gu J, Zhou L, Mi QS
PMID: 27662666

Differential effects of patient-related factors on the outcome of radiation therapy for rectal cancer
Kato I, Dyson G, Snyder M, Kim HR, Severson RK
PMID: 27746859

Classification and team response to nonroutine events occurring during pediatric trauma resuscitation
Webman RB, Fritzeen JL, Yang J, Ye GF, Mullan PC, Qureshi FG, Parker SH, Sarcevic A, Marsic I, Burd RS
PMID: 27648769

Transcriptional Regulation of Human Cytosolic Sulfotransferase 1C3 by Peroxisome Proliferator-Activated Receptor γ in LS180 Human Colorectal Adenocarcinoma Cells
Dubaisi S, Fang H, Kocarek TA, Runge-Morris M
PMID: 27565680

Gene Signature of High White Blood Cell Count in B-precursor Acute Lymphoblastic Leukemia
PMID: 27536776

Animal Models of Streptococcus pyogenes Infection
Watson ME Jr., Neely MN, Caparon MG. Editors
In: Ferretti JJ, Stevens DL, Fischetti VA, editors. Source: Streptococcus pyogenes: Basic Biology to Clinical Manifestations [Internet]. Oklahoma City (OK): University of Oklahoma Health Sciences Center; 2016
PMID: 26866224

Is age a prognostic biomarker for survival among women with locally advanced cervical cancer treated with chemoradiation? An NRG Oncology/Gynecologic Oncology Group ancillary data analysis
PMID: 27542967

Strategic Endothelial Cell Tube Formation Assay: Comparing Extracellular Matrix and Growth Factor Reduced Extracellular Matrix
Xie D, Ju D, Speyer C, Gorski D, Kosir MA
PMID: 27585062

Unbiased screen identifies aripiprazole as a modulator of abundance of the polyglutamine disease protein, ataxin-3
PMID: 27645800

COX7AR is a Stress-inducible Mitochondrial COX Subunit that Promotes Breast Cancer Malignancy
PMID: 27550821
Lab Invest. 2016 Oct;96(10):1040-9
Dynamic DNA methylation of matrix metalloproteinase-9 in the development of diabetic retinopathy
Kowluru RA, Shan Y, Mishra M
PMID: 27454437

Oncotarget. 2016 Aug 30
Bone marrow adipocytes promote the warburg phenotype in metastatic prostate tumors via HIF-1α activation
Diedrich JD, Rajagurubandara E, Herroon MK, Mahapatra G, Hütttemann M, Podgorski I
PMID: 27588494

Caging the uncageable: using metal complex release for photochemical control over irreversible inhibition
Huisman M, White JK, Lewalski VG, Podgorski I, Turco C, Kodanko JJ
Abstract
PMID: 27711349

Intravenous Busulfan-Based Myeloablative Conditioning Regimens Prior to Hematopoietic Cell Transplantation for Hematologic Malignancies
PMID: 27154848

Lancet Oncol. 2016 Sep;17(9):1283-94
Nivolumab for classical Hodgkin's lymphoma after failure of both autologous stem-cell transplantation and brentuximab vedotin: a multicentre, multicohort, single-arm phase 2 trial
PMID: 27451390

Am J Hematol. 2016 Sep;91(9):E341-7
Incidence, etiology, and outcome of pleural effusions in allogeneic hematopoietic stem cell transplantation.
PMID: 27238902

Eur Urol. 2016 Oct 8
Nomogram-based Prediction of Overall Survival in Patients with Metastatic Urothelial Carcinoma Receiving First-line Platinum-based Chemotherapy: Retrospective International Study of Invasive/Advanced Cancer of the Urothelium (RISC)
PMID: 27726966

Sympathetic Innervation of Cold-Activated Brown and White Fat in Lean Young Adults
Muzik O, Mangner TJ, Leonard WR, Kumar A, Granneman JG
PMID: 27789721

Anticancer Res. 2016 Nov;36(11):5593-5606
Cancer Immunology and Immunotherapy
Sukari A, Nagasaka M, Al-Hadidi A, Lum LG
PMID: 27793882

Hepatology. 2016 Nov;64(5):1559-1576
Nogo-B receptor deficiency increases liver X receptor alpha nuclear translocation and hepatic lipogenesis through an adenosine monophosphate-activated protein kinase alpha-dependent pathway.
PMID: 27480224

Altered Biomarkers in Trophoblast Cells Obtained Noninvasively Prior to Clinical Manifestation of Perinatal Disease
Bolnick JM, Kohan-Ghadir HR, Fritz R, Bolnick AD, Kilburn BA, Diamond MP, Armant DR, Drewlo S
PMID: 27660926
Regulation of HBEGF by Micro-RNA for Survival of Developing Human Trophoblast Cells
Jain CV, Jessmon P, Kilburn BA, Jodar M, Sendler E, Krawetz SA, Armand DR
PMID: 27701455

The Role of DNA Methylation in the Metabolic Memory Phenomenon Associated With the Continued Progression of Diabetic Retinopathy
Mishra M, Kowluru RA
PMID: 27787562

Phase II Study of Pazopanib and Paclitaxel in Patients With Refractory Urothelial Cancer
PMID: 27068017

Toll-like Receptor (TLR) Signaling Interacts with CREBH to Modulate High-density Lipoprotein (HDL) in Response to Bacterial Endotoxin
PMID: 27637329

Inositol Requiring Enzyme 1 Facilitates Diabetic Wound Healing through Modulating microRNAs
Wang JM, Qiu Y, Yang ZQ, Li L, Zhang K
PMID: 27634225

Endoplasmic reticulum-resident E3 ubiquitin ligase Hrd1 controls B-cell immunity through degradation of the death receptor CD95/Fas
PMID: 27573525

Glucagon regulates hepatic lipid metabolism via cAMP and Insig-2 signaling: implication for the pathogenesis of hypertriglyceridemia and hepatic steatosis
PMID: 27582413

Toll-like Receptor (TLR) Signaling Interacts with CREBH to Modulate High-density Lipoprotein (HDL) in Response to Bacterial Endotoxin
PMID: 27637329

Please click or cut and paste into your browser
https://www.ncbi.nlm.nih.gov/sites/myncbi/1FYGjcDKXgCAs/collections/51334746/public/