

# THE MEDICAL SCIENTIST

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## CONGRATULATIONS 2016 GRADUATATES



**Jacob Choi**

BS, Chemistry, Washington University-St. Louis, 2007  
PhD, Dept. of Biochemistry & Molecular Genetics  
Advisor: Lester Lau, PhD  
PhD Thesis: "The Matricellular Protein CCN1 Regulates Colitis, Colitis-Associated Cancer, and Neutrophil Mobilization"  
**Residency:** Internal Medicine, The Cleveland Clinic



**Christine Haddad**

BS, Integrative Physiology/Pre-Medicine, University of Iowa, 2009;  
PhD, Dept. Microbiology & Immunology; Advisor: Bellur Prabhakar, PhD  
PhD Thesis: "Divergent Effects of OX40L on Regulatory T Cell Phenotype and Function: Implications for Type 1 Diabetes Therapy"  
**Residency:** Anesthesiology, Massachusetts General Hospital, Boston, MA (preliminary year, UIC)



**Ryan Lahey**

BS, Biomedical Engineering, Washington University-St. Louis, 2007  
PhD, Dept. of Physiology & Biophysics;  
Advisor: E. Douglas Lewandowski, PhD  
PhD Thesis: "Long Chain Fatty Acid Storage Dynamics and Nuclear Receptor Activation in Failing Hearts"  
**Residency:** Internal Medicine, McGaw Medical Center, Northwestern University



**P. David McMullen**

BA, Microbiology, Molecular Biology, Miami University of Ohio, 2008  
PhD, Microbiology & Immunology; Advisor: Nancy Freitag, PhD  
PhD Thesis: "Factors of the bacterial pathogen *Listeria monocytogenes* which influence niche acquisition within hosts"  
**Residency:** Pathology, University of Chicago



**Cody Rutledge** BS/BA, Biology/Chemistry, Case Western Reserve University, 2009

PhD, Dept. of Physiology & Biophysics;  
Advisor: Samuel Dudley, MD, PhD  
PhD Thesis: "Regulation of Cardiac Connexin43 by Reactive Oxygen Species"  
**Residency:** Internal Medicine-Research Pathway, University of Pittsburgh Medical Center

**Calendar:**

Wednesday, April 13, Noon  
2175 COMRB  
Grand Rounds: Ryan Lahey & Joseph Goldenberg

Saturday, April 23, all day  
Samuel Blackman, MD, PhD (2001)- plenary talk, 8th Yuan Biotech-Pharma Symposium, College of Pharmacy

Thursday, May 5, 5:30PM,  
Graduation Banquet,  
Marcello's Restaurant

Friday, May 6 2:00 pm  
COM Graduation  
UIC Pavilion

Wednesday, May 25, 9:00 am  
3175 COMRB  
Justin Sysol Thesis Defense

Thursday, June 2, all day  
Samuel Blackman, MD, PhD (2001) visits the MSTP and Dept. of Pharmacology  
See schedule on p. 5

Wednesday, June 22—Joseph Goldenberg Thesis Defense

**2016 RETREAT**  
Date and Place are still being planned  
To Be Announced Shortly

## Awards, Honors, Presentations – Congratulations!

The MSTP is proud that again this year two of the several COM Commencement Research Prizes have been won by our students:

**Cody Rutledge**—2016 Michael and Kate Bárány Research Award

**Ryan Lahey**—2016 Ervin G. Erdős, MD and Sara F. Rabito Erdős, MD Prize for Excellence in Basic Sciences  
These awards will be bestowed during the COM Commencement ceremony on May 6.

And as we were going to press, we received the announcement from the CMSC Board of the of the 2015-2016 CMSC awards, which annually recognize one faculty member, one support staff member and two students from each class. Among the five student awards, two were given to MSTP students: **Cory Reiter**, Recipient of the Maria Devens Memorial Award for Commitment to Student Wellness; and **Alexandria Young**, Recipient of the M3 Abbas Hyderi Leadership Award. They will be officially recognized at the CMSC Awards Ceremony on Monday, April 18th in the Faculty Alumni Lounge: Dinner at 5PM, and the Ceremony at 5:30PM. This event is open to all.

### Other recent award winners:

#### **Evan Kyzar:**

- Most Outstanding Poster Award (Basic Science), UIC Department of Psychiatry Research Forum,
- 2015 3rd Prize, Poster Competition, UIC Neuroscience Day, 2015
- Predoctoral Travel Award, Society of Biological Psychiatry 2016, Atlanta, GA

#### **Laura Rodgers:**

- First place poster award in the Cancer Center subdivision of UIC Research Forum
- Honorable mention poster award in the Graduate Student subdivision of UIC Research Forum

**Brian Shy:** Co-founded and was appointed Technical Director of the Genome Editing Core in 2015.

#### **Justin Sysol:**

- F30 Ruth L. Kirschstein National Research Service Award (NRSA), National Heart Lung and Blood Institute, National Institutes of Health (NHLBI/NIH). Title: "Role of the SphK1/S1P Signaling Axis in the Pathogenesis of Pulmonary Arterial Hypertension" [2015-2019]
- American Heart Association Predoctoral Fellowship, Midwest Affiliate. Title: "The Roles of Sphingosine Kinase 1 (SphK1) and Sphingosine-1-phosphate (S1P) in Pulmonary Vascular Remodeling" [2015]
- Chancellor's Graduate Research Award (Biomedical Deiss Fund), UIC Graduate College [2015]--Trainee Travel Award, Central Society for Clinical and Translational Research (CSCTR) and the Midwestern Section of the American Federation for Medical Research (MWFMR) Combined Annual Meeting (Chicago) [2016]--Multidisciplinary Team Science Award, Honorable Mention, UIC Center for Clinical and Translational Science (CCTS), College of Medicine Research Forum [2015]
- Honorable Mention, Graduate Student Category poster presentation, UIC College of Medicine Research Forum [2015]
- Albert and Doris Woeltjen Student Achievement Award, UIC Department of Pharmacology [2015]
- Pre-doctoral Education for Clinical and Translational Scientists (PECTS) Program Award, UIC Center for Clinical and Translational Science (CCTS) [2015]
- W.C. and May Preble Deiss Fund Award for Biomedical Graduate Research, UIC Graduate College [2015]
- Junior Trainee Scholar's Program Award, Midwestern Section of the American Federation for Medical Research (MWFMR) [2015]
- Trainee Travel Award, Central Society for Clinical and Translational Research (CSCTR) and the Midwestern Section of the American Federation for Medical Research (MWFMR) Combined Annual Meeting (Chicago, IL). [2015]

**Alan Tseng** was awarded both the AHA predoctoral fellowship and the F30 MD/PhD predoctoral fellowship on 1st submission!

#### **Allen Ye:**

- Finalist for UIC Image of Research, Spring 2015
- UIC Center for Clinical and Translational Science PECTS NIH TL1 Fellow, Spring 2013-Spring 2015

## MSTP FACULTY NEWS

Dear Colleagues,

I am extremely pleased to announce that **Brad Merrill PhD**, associate professor of Biochemistry and Molecular Genetics, is assuming the role of co-director of the College of Medicine's umbrella PhD program, Graduate Education in Medical Sciences (GEMS). Dr. Merrill replaces **William Hendrickson, PhD**, who has been a leading, seminal figure in GEMS since its 2002 inception, and who is retiring from UIC.

Both Dr. Merrill and continuing GEMS co-director **John O'Bryan, PhD** of the Department of Pharmacology are outstanding educators and exemplary researchers. Both of them are deeply committed to sustaining and improving bioscience PhD training in the College of Medicine.

Please join with me in celebrating the new, continuing, and past leadership of our PhD programs in the College of Medicine, and in anticipating the coming era of research and educational accomplishment by our students and their advisors.

Sincerely, Dimitri Azar, MD, MBA  
Dean, College of Medicine

Ed. Note: Dr. Merrill is the PhD concurrent thesis advisor of three MSTP students: Brian **Shy**, M3 (PhD Defense 2015), **Jenny Zhang**, G3, and **Matt MacDougall**, G2.

From College of Medicine, *Inspired Medicine*, 3/26/16



**Gail Prins,**  
**Michael Reese Professor**  
**of Urology & Physiology**  
**Is recipient of the 2015 College of Medicine**  
**Innovator of Today Award**

As an internationally recognized expert in male reproduction and prostate disease, Dr. Gail Prins spearheaded the effort to bring awareness to the potential harm of BPA and its use especially in plastic packaging. As the Michael Reese Professor of Urology, she strives for achieving greater discovery and knowledge about prostate cancer and human fertility. She is a full member of the UIC Cancer Center where she serves as the Co-Director of the Prostate Cancer Research Program and is also the Director of the UIC Andrology Laboratory, which diagnoses and treats infertile couples and provides sperm-banking services to patients nationwide.

Her basic research program, continuously funded by the NIH for more than 25 years, focuses on prostate gland development, prostate stem cells, hormonal carcinogenesis, endocrine disrupting chemicals and the fetal basis of adult prostate disease. Dr. Prins' lab found that early-life exposures to natural estrogens or chemicals such as bisphenol A (BPA), commonly found in products such as water bottles and baby bottles, permanently reprogram the prostate and increase its susceptibility to cancer with aging, using both rodent and human models. She also identified the molecular basis for altered prostate memory. Her lab currently utilizes novel models with human embryonic stem cells and human prostate stem or progenitor cells to dissect estrogen and EDC reprogramming in derived human tissues.

She was the thesis advisor of MSTP alumnus Ikenna Madueke (2015) and in September 2015 she also received the 'Innovator of Today Alumni Award' from the College of Medicine during the College of Medicine Gala on September 19.

### Wedding Bells & Baby Booties



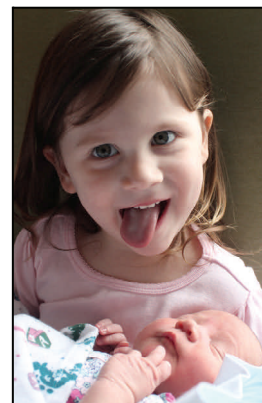
CONGRATULATIONS TO:

**Laura Rodgers** on her engagement last June to Adam Hardy, a graduate student at U of C in the Department of Organismal Biology and Anatomy. A September wedding is planned.

**Amanda Mennie** and husband David on the birth of their first child, Sophia Claire, on November 28, 2015.



**Brian Shy** and wife Kim Skinner on the birth of a second daughter, Mabel Ann Shy, on March 14th, 2016, shown here with her sister Penny who will turn 3 on April 24th.



## ANNONCING THE 1ST OF THE 2016 MSTP STUDENT GRAND ROUNDS

Wednesday, April 13 , 12:00 pm, 2175 CMRB

"Disrupted energy metabolism  
fuels the failing heart"



Presented by

**Ryan Lahey**, M4, and **Joseph Goldenberg**, G4

Ryan is a 4th year medical student who will receive his MD and PhD degrees on May 6, 2016. He defended his PhD thesis July 25, 2014 in the Department of Physiology & Biophysics on "Long Chain Fatty Acid Storage Dynamics and Nuclear Receptor Activation in Failing Hearts". His thesis advisor was E. Douglas Lewandowski, PhD. Ryan will do a residency in Internal Medicine at McGaw Medical Center Northwestern University.

Joseph is a 4th year graduate student in the Department of Physiology & Biophysics. He will defend his thesis on June 22, 2016 and then begin his M3 clinical studies later that month. His thesis advisor is E. Douglas Lewandowski, PhD. Joseph expects to receive his MD and PhD degrees in May 2018.

## 2016 THESIS DEFENSES CONGRATULATIONS

**Justin Sysol**, Wednesday, May 25, 2016, 9:00 am, 3175 COMRB— Dept. of Pharmacology; advisor: Roberto Machado, PhD, "Role of the SphK1/S1P Signaling Axis in the Pathogenesis of Pulmonary Arterial Hypertension."

**Joseph Goldenberg**, June 22, 2016, 10:00 am, 1020 COMRB (Moss Aud.) Dept. of Physiology & Biophysics; advisor: E. Douglas Lewandowski, PhD. Title TBD

### ROBERTA IS BACK

The reason many of you have seen Roberta Bernstein prowling around the suite the last few months—and wanted to say "Hey, what are you doing here; I thought you retired" but were too polite to ask—is that she was officially re-hired effective January 1 to work as part-time extra help in the MSTP.

Aside from assisting Julie in whatever tasks are needed, she has been assigned two specific on-going tasks: Alumni Affairs (maintaining the every-growing body of alumni records and staying in active communication with as many alumni as possible) and editing this Newsletter. In addition, at the present time she helping Julie and Dr. Tobacman with the preparation of the proposal for the second renewal of the MSTP NIH grant. Originally awarded in 2007 for 5 years, it was renewed for another 5 years in 2012. The proposal for the 2017 award is due in May 2016.

Roberta is delighted to be back among her cherished students and faculty and just enjoying their activities and numerous successes. While she enjoys the many new activities that retirement allows, especially doing things that she never had time for during her 50-year career including 26 in graduate education, she is elated to be "home", in her "place" and among her people".

If you haven't already, please stop by and say hello and bring her up to date on your news. She hangs out in room 310, the copier room next door to Julie's office, usually on Thursdays, but some other days as well.

## Alumni News

### Sam Blackman (2001) Visits COP April 23 and COM on June 2



**The MSTP eagerly awaits two spring visits and seminars of our distinguished 2001 alumnus Samuel Blackman, Senior Medical Director, Juno Therapeutics, Inc. Seattle, WA .**

On **Saturday, April 23**, Dr. Blackman will give the plenary talk at the all-day 8th Yao-Yuan Biotech-Pharma at the UIC College of Pharmacy: Emerging Therapeutics. "I'll be speaking about my work in the clinical development of chimeric antigen receptor (CAR) T cells as immunotherapy for B-cell hematologic malignancies, and the novel challenges we face in the era of these

new, non-traditional 'living drugs' ", he explained. MSTP students are welcome to attend. For information, please visit the event web site:

[http://yypharm.org/?q=8th\\_symposium](http://yypharm.org/?q=8th_symposium).

On **Thursday, June 2**, Dr. Blackman will spend the whole day in the COM as the guest of the MSTP and the Department of Pharmacology where he will give a noon seminar at the invitation of Department Chairman Dr. Asrar Malik ("I would like you to give a departmental research seminar based on immunotherapy, recent clinical trials etc.") and spend the rest of the day meeting and greeting current MSTP and Pharmacology students: "I'm always happy to meet with both MSTP and Dept. of Pharmacology students to discuss topics like drug development (industry perspective), careers in industry, cellular therapy, immune-oncology, non-academic paths for MD/PhDs, etc." The full schedule is:

**9:00—Breakfast reception for MSTP students in MSTP-GEMS library lounge**

**12:00— Lunch Seminar in 4175 COMRB**

**1:00—Post seminar discussion with students**

Dr. Blackman came to the MD-PhD Training Program at UIC with an BA in Philosophy from the University of Chicago. He pursued his PhD in the Department of Pharmacology under the mentorship of Guy C. LeBreton, PhD. His thesis was entitled: "Identification and Characterization of Thromboxane A2 Receptors in Oligodendrocyte and Schwann Cells. Following his residency in pediatrics at Cincinnati Children's Hospital Medical Center, he trained in pediatric hematology-oncology and pediatric neuro-oncology at the Dana-Farber Cancer Institute and Children's Hospital Boston.

For the past 8 years he has been focused on the clinical development of novel cancer therapeutics and has held various positions of increasing responsibility within the pharmaceutical and biotechnology industry. In his present role at Juno Therapeutics as Senior Medical Director he is responsible for clinical development of novel immunotherapeutics for cancer, including chimeric antigen receptor (CAR) T cell therapies and high-affinity T cell receptor (TCR) therapies. Prior to his current role he served as Head of Translational Medicine at Seattle Genetics where he was responsible for pre-clinical and early clinical development of novel antibody drug conjugate (ADC) therapeutics for cancer and lead a group of 30 physicians and scientists. Earlier he was a Director in the Oncology Early Development Unit at GlaxoSmithKline where he focused on the development of targeted therapeutics for cancer and also lead the pediatric development of GSKs BRAF and MEK inhibitors. At Merck Research Laboratories, Dr. Blackman was Associate Director of Experimental Medicine/Oncology and was responsible for developing novel proof-of-concept platforms and clinical validation of biomarkers in association with several early stage drug development programs and designed the pediatric development strategy for Merck's mTOR inhibitor program.

## In the Alumni Mailbag

**From:** Lila Glotfelty  
[mailto:lilagollogly@gmail.com]  
**Sent:** Saturday, Feb. 06, 2016  
**To:** Tobacman, Larry; Bernstein, Roberta L; Mann, Julianna L.  
**Subject:** Good news

Dear Dr. Tobacman, Julie and Roberta,

Dr. Zar and the selection committee has chosen me to be one of the Internal Medicine chief residents for 2017-2018! It's a huge honor and I'm very excited and nervous.

I'd still like to stay as involved as possible with the MSTP, Jen Kwan, Joseph Zapater and I have very fond memories and appreciate everything the program did for us to make us successful in the future.

Best, Lila Glotfelty (2014)

### 1st MSTP Alumni REUNION in Planning Stage

Roberta Bernstein is working with a small group of local alumni to plan the First (hopefully annual) MSTP Alumni Reunion for late summer or early autumn 2016. All alumni are invited and encouraged to submit their ideas to Roberta for how this event should be tailored to make it fun, memorable and educational for the current students.

**Note to all alumni: Please keep the updates on your news coming. And if you're going to be in Chicago, please stop by for a visit which can be informal or a formal presentation, as you wish.**

## Recent Student Publications – 2015 to present

### Sarah Baumgarten, M3:

**Baumgarten SC**, Convissar SM, Zamah AM, Fierro MA, Winston NJ, Scoccia B, and Stocco C (2015) FSH regulates IGF-2 expression in human granulosa cells in an AKT dependent manner. *JCEM*, 100(8):1046-1055.

### Michael Fettiplace, M3:

**Fettiplace MR**, Kowal K, Ripper R, Young A, Lis K, Rubinstein I, Bonini M, Minshall R, Weinberg G. Sensitization of insulinergic signaling upstream of mTOR is required for spontaneous recovery from bupivacaine-induced cardiac toxicity and potentiated by lipid emulsion. *Anesthesiology* 2016; 124(2):428-42.

### Joseph Geraghty, M2:

Tobin MK\*, **Geraghty JR\***, Engelhard HH, Linninger AA, and Mehta AI. Intramedullary spinal cord tumors: A review of current and future treatment strategies. *Neurosurg Focus* 39(2):E14, 2015. \*co-first author

### Joseph Goldenberg, G4:

**Goldenberg JR**, Wang X, Lewandowski ED. Acyl CoA synthetase-1 links facilitated long chain fatty acid uptake to intracellular metabolic trafficking differently in hearts of male versus female mice. *J. Mol. Cell. Cardiol.* 2016

Kataria Y, Deaton RJ, Enk E, Jin M, Petrauskaite M, Dong L, **Goldenberg JR**, Colter SJ, Jensen DM, van Breeman RB, Gann PH. Retinoid and carotenoid status in serum and liver among patients at high-risk for liver cancer. *BMC Gastroenterol.* 2016;16:30.

### Mir Isaamullah, G1:

P. Balaram, **M. Isaamullah**, H. M. Petry, M. E. Bickford, J. H. Kaas, Distributions of vesicular glutamate transporters 1 and 2 in the visual system of tree shrews (*Tupaia belangeri*). *The Journal of comparative neurology* 523, 1792-1808 (2015)

### Evan Kysar, G2:

**Kysar E**, Zhang H, Sakharkar A, Pandey S. Adolescent alcohol exposure alters lysine demethylase 1 (LSD1) expression and histone methylation in the amygdala during adulthood. *Addict Biol*; 2016: In Press.

**Kysar E**, Kalueff A. Exploring hallucinogen pharmacology and psychedelic medicine with zebrafish models. *Zebrafish*, 2016: In Press.

Homberg J\*, **Kysar E\***, Nguyen M, Norton W, Pittman J, Poudel M, Gaikwad S, Nakamura S, Koshiba M, Yamanouchi H, Scattoni M, Ullman J, Diamond D, Kaluyeva A, Parker M, Klimenko V, Apyratin S, Brown R, Song C, Gainetdinov R, Gottesman I, Kalueff A. Understanding autism and other neurodevelopmental disorders through experimental translational neurobehavioral models. *Neurosci Biobehav Rev*, 2016: In Press. Homberg J\*,

**Kysar E\***, Stewart A, Nguyen M, Poudel M, Echevarria D, Collier A, Gaikwad S, Klimenko V, Norton W, Pittman J, Nakamura S, Koshiba M, Yamanouchi H, Apyratin S, Scattoni M, Diamond D, Ullmann J, Parker M, Brown R, Song C, Kalueff A. Improving treatment of neurodevelopmental disorders: Recommendations based on preclinical studies. *Expert Opin Drug Discov*; 2016; 11(1):11-25.

**Kysar E**, Stewart A, Kalueff A. Effects of LSD on grooming behavior in serotonin transporter heterozygous (*Sert<sup>+/−</sup>*) mice. *Behav Brain Res*; 2016; 296:47-52.

**Kysar E**, Pandey S. Molecular mechanisms of synaptic remodeling in alcoholism. *Neurosci Lett*; 2015; 601:11-9.

### Laura Rodgers, G1:

Chang, Y.C., Khanal, A.K, Bradley, J., **Rodgers, L.**, Ngamskulrungraj, P., Kwon-Chung, K. (2015). Differences between *Cryptococcus neoformans* and *Cryptococcus gattii* in the Molecular Mechanisms Governing Utilization of D-Amino Acids as the Sole Nitrogen Source. *PLoS ONE*.

**Rodgers, L.H.\***, O'hAinmhire, E.\*, Young, A.H., Burdette, J.E. Loss of PAX8 in high-grade serous ovarian cancer reduces cell survival despite unique modes of action in the fallopian tube and ovarian surface epithelium. *Oncotarget*. 2016 (in press).

### Justin Sysol, G3:

H Tang, J Chen, DR Fraidenburg, S Song, **JR Sysol**, AR Drennan, S Offermanns, RD Ye, MG Bonini, RD Minshall, JGN Garcia, RF Machado, A Makino, JXJ Yuan. "Deficiency of Akt1, but not Akt2, Attenuates the Development of Pulmonary Hypertension." *Am J Physiol Lung Cell Mol Physiol*. 308(2):L208-20 (2015).

**Matthew Tobin, G3:**

**Tobin MK\***, **Geraghty JR\***, Engelhard HH, Linninger AA, and Mehta AI. Intramedullary spinal cord tumors: A review of current and future treatment strategies. *Neurosurg Focus* 39(2):E14, 2015. \*co-first author

Birk DM, **Tobin MK**, Moss HE, Feinstein E, Charbel FT, Alaraj A. Improvement in venous outflow following superior sagittal sinus decompression after a gunshot wound to the head: Case report. *J Neurosurg*. 2015, 123(1):81-85. PMID: 25839927.

**Tobin MK**, Bonds JA, Szilagyi E, Bartholomew AM, Pelligrino DA, Lazarov O. Changes in microglia and neural stem cell characteristics after exposure to hypoxia. [abstract]. In: Society for Neuroscience Annual Meeting; 2015 Oct 17-21; Chicago. Washington, DC: Society for Neuroscience.

Bonds JA, **Tobin MK**, Minshall R, Pelligrino D, Lazarov O. Endothelial caveolin-1 regulates the neurogenic vascular niche. [abstract]. In: Society for Neuroscience Annual Meeting; 2015 Oct 17-21; Chicago. Washington, DC: Society for Neuroscience.

**Tobin MK**, Rangwala S, Birk DM, Neckrysh S. Safety and efficacy of skipping C7 instrumentation in posterior cervicothoracic fusion. [abstract]. In: Global Spine Congress Meeting; 2015 May 20-23; Buenos Aires. Dübendorf: AOSpine International.

**Alan Tseng, G2:**

1. Kim K, Li J, **Tseng A**, Andrews RK, Cho J. NOX2 is critical for heterotypic neutrophil-platelet interactions during vascular inflammation. *Blood*. 2015, PMID: 26333777

**Allen Ye, M3:**

Y Liang, **AQ Ye**, W Chen, R Gatto, L Colon-Perez, T Mareci, R Magin. A new fractal derivative model for the characterization of anomalous diffusion in magnetic resonance imaging. **Manuscript accepted at Communications in Nonlinear Science and Numerical Simulation**

B Schwartz, Z Yin, K Yasar, Y Liu, A Khan, **AQ Ye**, T Royston, R Magin. Scattering and Diffraction in a Concentric Cylindrical Phantom for MR Elastography. *IEEE Transactions on Biomedical Engineering* (2016). DOI:10.1109/TBME.2016.2527825

**AQ Ye**, G Thomas-Ramos, J Keiriz, O Ajilore, A Kumar, R Magin, J Leigh, A Leow. Understanding and Visualizing the Intrinsic Geometry of Brain Connectomes Using Dimensionality Reduction Techniques in 3D Immersive Virtual Environment. *Brain Informatics* (2015), doi:10.1007/s40708-015-0022-2

S Ravindran, M Kotecha, CC Huang, **AQ Ye**, P Pothirajan, Z Yin, R Magin, A George. Characterization of Biomimetic Extracellular Matrix Scaffolds for Use in Cartilage Tissue Regeneration. *Biomaterials* 71 (2015): 58-70.

R Gatto, Y Chu, **AQ Ye**, S Price, E Tavassoli, A Buenaventura, A Lysakowsky, S Brady, R Magin, J Kordower, and G.Morfini. Analysis of YFP(J16)-R6/2 reporter mice and post-mortem brains reveals early pathology and increased vulnerability of callosal axons in Huntington's disease. *Human Molecular Genetics* (2015): ddv248.

**AQ Ye**, L Zhan, S Conrin, J GadElKarim, A Zhang, S Yang, J Feusner, A Kumar, O Ajilore, A Leow. Measuring embeddedness: Hierarchical scale-dependent information exchange efficiency of the human brain connectome. *Human Brain Mapping* 36, no. 9 (2015): 3653-3665.

**Alexandria Young, G1:**

Fettiplace MR, Kowal K, Ripper R, **Young A**, Lis K, Rubinstein I, Bonini M, Minshall R, Weinberg G. Sensitization of insulinergic signaling upstream of mTOR is required for spontaneous recovery from bupivacaine-induced cardiac toxicity and potentiated by lipid emulsion. *Anesthesiology* 2016; 124(2):428-42.

Rodgers, L.H.\*, O'hAinmhire, E.\*, **Young, A.H.**, Burdette, J.E. Loss of PAX8 in high-grade serous ovarian cancer reduces cell survival despite unique modes of action in the fallopian tube and ovarian surface epithelium. *Oncotarget*. 2016 (in press)

Himes KP, **Young A**, Koppes E, Stolz D, Barak Y, Sadovsky Y, Chaillet JR. Loss of inherited genomic imprints in mice leads to severe disruption in placental lipid metabolism. *Placenta* 2015;36(4):389-96.

Gangemi A, **Young A**, Elli EF. Case report: A rare sequela after a case of early bariatric surgery tourism. *Surg Obes Relat Dis* 2015;11(1):e1-3.

## The Medical Scientist

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Kathleen Kashima, PhD,  
Senior Assoc. Dean of Students

Jorge Girotti, PhD, Associate Dean  
and Director of Admissions and  
Special Curricular Programs

The UIC MSTP cordially invites you to its  
*Graduation Seminar and Banquet*

Thursday, May 5, 2016

Marcello's Restaurant, 645 W. North Ave. (at Larabee)

6:00 p.m. Reception 6:30 p.m. Seminar 7:30 p.m. Dinner

*Our Honored Graduates:*



*Jacob Choi*



*Christine Haddad*



*Ryan Lahey*



*P. David McMullen*



*Cody Rutledge*

*Our Guest Speaker:*



*Jeffrey A. Loeb, MD, PhD*

*Head, Dept. of Neurology & Rehabilitative Medicine*  
*Lost in Translation: Vignettes from a Physician Scientist*

*RSVP by April 30 to Julie Mann, [jlmann@uic.edu](mailto:jlmann@uic.edu)*