



DEPARTMENT OF ANATOMY & CELL BIOLOGY

Points of Interest

October 2019

Honors and Awards

- Dr. Ling Yang:** Carver College of Medicine Outstanding Mentor in Translational Research
- Dr. Masataka Kawai:** Co-organizer of the 49th European Muscle Conference (EMC) in Prague, Czech Republic to be held in September of 2020
- Chief Guest Editor of the 49th EMC Special Issue of *Journal of Muscle Research and Cell Motility*
- Scientific Committee member, 49th EMC
- Special Advisor to International Advisory Board, 49th EMC
- Dr. Anyelo Antiguas** Travel award to attend the American Society of Cell Biology annual meeting in December in Washington DC.

Special Presentations/Seminars

Dr. Tina Tootle

Invited Seminar: Prostaglandins: master regulators of actin in the cytoplasm and the nucleus. Biochemistry Department, Kansas State University.

Poster: Prostaglandins restrict nuclear actin to control the nucleolus. Dylane Wineland, Garrett Kimble, Daniel Kelsch, and Tina Tootle*

ASBMB: Emerging Roles of the Nucleolus, Kansas City, MO (*presenter)

Special Presentations/Seminars, continued

Dr. Sam Young

Dr. Young applied for and subsequently invited to attend the Janelia Conference on *Cell Biology of Neurons and Circuits II*, September 22-25, 2019 in Ashburn, Virginia.

Dr. Masataka Kawai

“Effect of Myosin Regulatory Light Chain (RLC) E22K Mutation on Contraction of Mouse Papillary Muscle Fibers” at the 48th European Muscle Conference (EMC) in Canterbury, UK.

Dr. Darren Hoffman

Dr. Hoffman presented research related to his teaching course at the National CIRTL Forum in a poster presentation entitled “Transforming Your Research Into Teaching: Implementation and Outcomes of a hybrid multi-institutional course design workshop series.” Riley Blay (MCA2) is a co-author on this abstract.

Dr. Thomas Rutkowski

“Two organelles talking: How metabolism in mitochondria affects protein processing in the endoplasmic reticulum” on August 23 at Cal State L.A. for the M.O.R.E. program.

Dr. Robert Cornell

“Analysis of a set of zebrafish periderm enhancers reveals details of the periderm gene regulatory network and helps identify polymorphisms causal for orofacial cleft.” July 25-28 in Boston at the Society for Developmental Biology meeting.

Dr. Yaling Yi

An Islet Dysfunction Model Following Acute Pancreatitis in Ferrets” (Abstract #303) has been accepted as a Poster of Distinction at the 50th Annual Meeting of the American Pancreatic Association.

Dr. Martine Dunnwald

Martine Dunnwald organized and chaired a session at the International Federation of Anatomy Association meeting in London (August) “Barrier, bugs and bandages”.

News Relating to Projects

Dr. John Engelhardt

Title: “National Ferret Resource and Research Center on Lung Disease”

Sponsor: NIH

Grant/Contract #: 75N92019R0014

Project Period: 9/1/19-8/30/24

Total Award All Years: \$5,599,984

Dr. Sam Young

Title: “Development of Helper Dependent Adenoviral Vectors for Inner Ear Gene Therapy Approaches”

Sponsor: NIH-NIDCD

Grant/Contract #: R21 DC018242

Project Period: 8/1/19-7/31/2021

Total Award All Years: \$424,875

Title: “Presynaptic regulation of Neurotransmitter Release in Mammalian Neuronal Circuits”

Sponsor: NIH/NINDS

Grant/Contract #: R01 NS110742-01

Project Period: 12/1/19-11/30/2024

Total Award All Years: \$2,399,909

Dr. Darren Hoffman

Dr. Hoffman was interviewed for a recent article in *Scientific American* about virtual anatomy in medical education:

<https://www.scientificamerican.com/article/med-school-without-cadavers/>

Dr. Fang Lin

Title: “The role of Glypican 4 in Gut Endoderm Morphogenesis ”

Sponsor: NIH/NIDDK

Grant/Contract #: R56 DK123610-01

Project Period: 9/18/19-8/31/2020

Total Award All Years: \$432,062

Dr. Robert Cornell

Title: “Common Fund Data Supplement Regulation of the Melanocyte Lineage by the AP2 Transcription Factor Family ”

Sponsor: NIH

Grant/Contract #: R01 AR062857-04S1

Project Period: 9/25/2013-7/31/2023

Total Award All Years: \$254,500

Dr. Anyelo Antiguas

Awarded a 2-year NIH minority supplement on Martine Dunnwald’s R01 grant for his work on IRF6 and cellular adhesions.

New Publications

Dr. Tina Tootle

Spracklen A, Lamb M, Groen C and TL Tootle. (2019). Pharmacogenetic screen to uncover actin regulators targeted by prostaglandins during *Drosophila* oogenesis. *G3*. doi: 10.1534/g3.119.400704.

Dr. Sam Young

Thomas Cannon I., Keine Christian, Okayama Satoko, Satterfield Rachel, Musgrove Morgan, Gurerrero-Given Debbie, Kamasama Naomi, Young Samuel M. (2019) Presynaptic mitochondria volume and abundance increase during development of a high-fidelity synapse. *Journal of Neuroscience* 27 August 2019, 0363-19; DOI: <https://doi.org/10.1523/JNEUROSCI.0363-19.2019>.