



# POINTS OF INTEREST

April – June 2021

## HONORS AND AWARDS

### **Rishika Avvari (Undergraduate student, Dunnwald Lab)**

Graduated with Honors in the Department of Biology following the completion of her Thesis entitled: Investigation of single cell migration patterns of wildtype and Irf6-deficient keratinocytes during wound healing.

### **Bailey Garnica (Undergraduate Student, Dunnwald Lab)**

Recipient, Summer Research Fellowship from the Iowa Center for Research by Undergraduate (ICRU) to evaluate the migration characteristics of epithelial cells deficient for Arhgap29.

### **Dr. Darren Hoffmann**

Darren was named D1 Faculty of the Year by the first year Dental Students

### **Jacob Schillo (Interdisciplinary Graduate Student, Dupuy Lab)**

Jacob Schillo (Dupuy Lab) was selected as a 2021 Scholar of the Pat Tillman Foundation. The Tillman Foundation mission is “to unite and empower remarkable military service members, veterans and spouses as the next generation of public and private sector leaders committed to service beyond self.” Among veterans, this award is widely viewed as the most prestigious award a military veteran can receive while pursuing an education. Jacob is the first recipient of this award while at an institution within the state of Iowa. <https://pattillmanfoundation.org/meet-our-scholars/jacob-schillo-2/>

## APPOINTMENTS & SPECIAL RECOGNITION

### **Dr. Kayly Lembke (Postdoc, Frank Lab)**

Kayly will be transitioning to a position as a tenure-track Assistant Professor of Biology at George Fox University in Newberg, OR in August.

### **Dr. Ling Yang**

Dr. Yang was appointed to the Editorial Board of Metabolic Physiology/Frontiers in Physiology and to the Editorial Board of APSB (Acta Pharmaceutica Sinica)

## **SPECIAL PRESENTATIONS**

### **Angelo Antiguas (CDB Graduate Student, Dunnwald Lab)**

“IRF6 is required for cell-extracellular matrix adhesions.” Experimental Biology Annual Meeting 2021.

### **Rishika Avvari (Undergraduate student, Dunnwald Lab)**

“IRF6 is required for directed cell migration in murine primary keratinocytes.” Society of Investigative Dermatology Virtual Annual meeting. Rish was supported by a Jain Scholarship from the ACB department.

### **Dr. Martine Dunnwald**

“Functional assessment of cleft-associated genes” Guest speaker, University of Missouri Kansas City Oral and Craniofacial Virtual Seminar Series.

Chaired a symposium at the Experimental Biology Annual Meeting 2021 entitled: The hypothalamus.

### **Rebecca Peplinski and Jacob Schillo (Interdisciplinary Graduate Students, Dupuy Lab)**

#### ***AACI/AACR Hill Day: June 9, 2021***

Rebekah and Jacob, along with Erin Talbert (Assistant Professor, Department of Health and Human Physiology) and George Weiner (Director, Holden Comprehensive Cancer Center), held meetings with members of congress to discuss the National Institute of Health and National Cancer Institute funding requests in an event sponsored by the Association of American Cancer Institutes and the American Association for Cancer Research. During this event the group held meetings with Sen. Chuck Grassley, as well as representatives from the offices of Sen. Joni Ernst and Rep. Mariannette Miller-Meeks.

### **Dr. Marc Pizzimenti**

“Building Relationships: Anatomy for Peripheral Nerve Blocks Q&A.” Regional Anesthesia Study Center of Iowa (RASCI) internal training workshop, June 5, 2021.

### **Dr. Ling Yang**

BMS Seminar Series 2020-2021. Department of Basic Medical Sciences, The University of Arizona College of Medicine. March 25, 2021.

57th National Diabetes Metabolism and Nutritional Diseases Congress (Turkish Diabetes Foundation). June 2, 2021.

## NEW GRANT AWARDS

### Angelo Antiguas (CDB Graduate Student, Dunnwald Lab)

Angelo was awarded a F31 NRSA NIH Predoctoral Fellowship for 3 years.

### Dr. Tom Rutkowski

Title: The Endoplasmic Reticulum Conference: Structure, Function, and Disease

Sponsor: R13TR003720 from NCATS to fund FASEB's conference June 2021. 2

Role: Senior organizer.

Total Award: \$10,500

## NEW PUBLICATIONS

### Dr. Robert Cornell Lab

Hamm M, Sohler P, Petit V, Raymond JH, Delmas V, Le Coz M, Gesbert F, **Kenny C**, Aktary Z, Pouteaux M, Rambow F, Sarasin A, Charoenchon N, Bellacosa A, Sanchez-Del-Campo L, Mosteo L, Lauss M, Meijer D, Steingrimsson E, Jönsson GB, **Cornell RA**, Davidson I, Goding CR, Larue L. BRN2 is a non-canonical melanoma tumor-suppressor. *Nat Commun* 2021 Jun 17;12(1):3707. doi: 10.1038/s41467-021-23973-5.

### Dr. Martine Dunnwald Lab

**Antiguas, A.**, DeMali, K.A., **Dunnwald, M.** Interferon Regulatory Factor 6 regulates the delivery of E-cadherin to the plasma membrane. *J Invest Dermatol* (in press, 2021).

### Dr. John Engelhardt Lab

**Yi Y, Sun X, Liang B**, He N, Gibson-Corley KN, Norris AW, **Engelhardt JF**, Uc A. Acute pancreatitis-induced islet dysfunction in ferrets. *Pancreatology*, 2021, doi: [10.1016/j.pan.2021.04.008](https://doi.org/10.1016/j.pan.2021.04.008)

**Rotti PG, Evans IA, Zhang Y, Liang B**, Cunicelli N, O'Malley Y, Norris AW, Uc A, **Engelhardt JF**. Lack of CFTR alters the ferret pancreatic ductal epithelial secretome and cellular proteome: Implications for exocrine/endocrine signaling. *J Cyst Fibros*, 2021 May 17:S1569-1993(21)00120-X. doi: 10.1016/j.jcf.2021.04.010.

**Jensen-Cody CW, Crooke AK, Rotti PG, Ilevlev V, Shahin W, Park S-Y, Lynch TJ, Engelhardt JF**. Lef-1 controls cell cycle progression in airway basal cells to regulate proliferation and differentiation. *Stem Cells* 2021 May 1. doi: 10.1002/stem.3386. Online ahead of print.

**Dr. C Andrew Frank Lab**

**Yeates, CJ, Frank CA** Homeostatic Depression Shows Heightened Sensitivity to Synaptic Calcium. *Front Cell Neurosci (ecollection 2021)* doi: 10.3389/fncel.2021.618393

**Dr. Fang Lin Lab**

**Kakkerla Balaraju A, Hu B, Rodriguez JJ, Murray M, Lin F** Glypican 4 regulates planar cell polarity of endoderm cells by controlling the localization of Cadherin 2. *Development (Accepted June 16, 2021)*  
DOI: <https://doi.org/10.1242/dev.199421>

*Please share news of your activities with Mary Beckler for publication in the quarterly Points of Interest Newsletter. This information is circulated throughout the Department, as well as published on the ACB Department website*