

# Publications 2017-2018

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## **Joshua Adams**

**Adams J**, Schaaf CP. "Diagnosis and genetics of alacrima". *Clinical Genetics*. 2018. DOI:10.1111/cge.13173

## **Stefanie Alexander**

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## **Truston Bodine**

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## **Thomas Burke**

Salazar N, Carlson JC, Huang K, Zheng Y, Oderup C, Gross J, Jang AD, **Burke TM**, Lewén S, Scholz A, et al. "A chimeric antibody against ACKR3/CXCR7 in combination with TMZ activates immune responses and extends survival in mouse glioblastoma models". *Molecular Therapy*. 2018. doi:10.1016/j.ymthe.2018.02.030

McClain KL, Picarsic J, Chakraborty R, Zinn D, Lin H, Abhyankar H, Scull B, Shih A, Lim KPH, Eckstein O, Lubega J, Peters TL, Olea W, **Burke TM**, Ahmed N, et al. "BRAFV600E in blood and brain and response to BRAF inhibition suggest hematopoietic origin of neurodegeneration in Langerhans cell histiocytosis". *Cancer*. 2018 (Accepted).

## **Hannah Moore Campbell**

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## **Felicia Cao**

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Yi Z, Prinzing BL, **Cao F**, Gottschalk S, Krenciute G. "Optimizing EphA2-CAR T cells for the adoptive immunotherapy of glioma". *Molecular Therapy- Methods & Clinical Development*. 2018. DOI:10.1016/j.omtm.2018.01.009

## **Jason George**

**George JT**, Kessler DA, Levine H. "Effects of thymic selection on T cell recognition of foreign and tumor antigenic peptides". *Proceedings of the National Academy of Sciences*. 2017. DOI:10.1073/pnas.1708573114

**George JT**, Jolly MK, Xu S, Somarelli JA, Levine H. "Survival outcomes in cancer patients predicted by a partial EMT gene expression coring metric". *Cancer Research*. 2017. DOI:10.1158/0008-5472.can-16-3521

## **Patrick Hunt**

**Hunt PJ**, Koons GL, Murri M, Todd SR. "Damage control surgery and the management of a cholecystocolic fistula". In *The American Surgeon*. 2017.

## **Zachary Kadow**

**Kadow ZA**, Martin JF. "A role for ploidy in heart regeneration". *Developmental Cell*. 2018. DOI:10.1016/j.devcel.2018.02.004

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## **Amanda Koire**

- Koire A**, Kim YW, Wang J, Katsonis P, Jin H, Lichtarge O. "Codon-level co-occurrences of germline variants and somatic mutations in cancer are rare but often lead to incorrect variant annotation and underestimated impact prediction Galli A, editor." *PLOS ONE*. 2017. DOI:10.1371/journal.pone.0174766
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## **Gerry Koons**

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- Hunt PJ, **Koons GL**, Murri M, Todd SR. "Damage control surgery and the management of a cholecystocolic fistula". In *The American Surgeon*. 2017.

## **Robert Kruse**

- Kruse RL**, Shum T, Legras X, Barzi M, Pankowicz FP, Gottschalk S, Bissig K-D. "In situ liver expression of HBsAg/CD3-bispecific antibodies for HBV immunotherapy". *Molecular Therapy - Methods & Clinical Development*. 2017. DOI:10.1016/j.omtm.2017.08.006
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## **Andrew Laitman**

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## **Cameron Landers**

- Tung H-Y, Li E, **Landers C**, Nguyen A, Kheradmand F, Knight J, Corry D. "Advances and evolving concepts in allergic asthma". *Seminars in Respiratory and Critical Care Medicine*. 2018. DOI:10.1055/s-0037-1607981
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## **Gary Liu**

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## **Heidi Martini-Stoica**

- Landrock KK, Sullivan P, **Martini-Stoica H**, Goldstein DS, Graham BH, Yamamoto S, Bellen HJ, Gibbs RA, Chen R, D'Amelio M, et al. "Pleiotropic neuropathological and biochemical alterations associated with Myo5a mutation in a rat Model". *Brain Research*. 2018. DOI:10.1016/j.brainres.2017.11.029

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## **Cynthia McClard**

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- Chacko JG, **McClard CK**, Prospero-Ponce C. "Functional visual loss". *American Academy of Ophthalmology, EyeWiki*. 2018.
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## **Eric Molina**

- Trachtenberg JE, Santoro M, Williams C III, Piard CM, Smith BT, Placone JK, Menegaz BA, **Molina ER**, Lamhamedi-Cherradi S-E, Ludwig JA, et al. "Effects of shear stress gradients on Ewing sarcoma cells using 3D printed scaffolds and flow perfusion". *ACS Biomaterials Science & Engineering*. 2017. DOI:10.1021/acsbiomaterials.6b00641

## **Jay Patel**

- Patel JM**, Gray A, Rizk C. "A baby with blisters on the palmar and plantar surfaces". *The Clinical Advisor*. 2017.
- Herman AM, **Patel JM**, Arenkiel BA. "Optogenetics: From neuronal function to mapping and disease biology". In *Chapter 15: Optogenetic Approaches to investigate brain circuits*. 2017.
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- Liu G, **Patel JM**, Tepe B, McClard CK, Swanson J, Arenkiel BR. "An objective and reproducible test of olfactory learning and discrimination in mice". *JoVE*. 2017.

## **Valencia Potter**

- Robichaux MA, **Potter VL**, Zhang Z, He F, Schmid MF, Wensel TG. "Defining the layers of a sensory cilium with STORM and cryo-electron nanoscopies". *BioRxiv*. 2017. DOI:10.1101/198655

## **Jasdeep Sabharwal**

- Sabharwal J**, Seilheimer RL, Tao X, Cowan CS, Frankfort BJ, Wu SM. "Elevated IOP alters the space-time profiles in the center and surround of both ON and OFF RGCs in mouse". *Proceedings of the National Academy of Sciences*. 2017. DOI:10.1073/pnas.1706994114

## **Robert Seilheimer**

- Sabharwal J, **Seilheimer RL**, Tao X, Cowan CS, Frankfort BJ, Wu SM. "Elevated IOP alters the space-time profiles in the center and surround of both ON and OFF RGCs in mouse". *Proceedings of the National Academy of Sciences*. 2017. DOI:10.1073/pnas.1706994114

## **Muhammad Shamim**

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## **Thomas Shum**

- Shum T**, Omer B, Tashiro H, Kruse RL, Wagner DL, Parikh K, Yi Z, Sauer T, Liu D, Parihar R, et al. "Constitutive signaling from an engineered IL7 receptor promotes durable tumor elimination by tumor-redirectioned T cells". *Cancer Discovery*. 2017. DOI:10.1158/2159-8290.cd-17-0538
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## **Brandon Smith**

- Smith BT**, Santoro M, Grosfeld EC, Shah SR, van den Beucken JJJP, Jansen JA, Mikos AG. "Incorporation of fast dissolving glucose porogens into an injectable calcium phosphate cement for bone tissue engineering". *Acta Biomaterialia*. 2017. DOI:10.1016/j.actbio.2016.12.024
- Bracaglia LG, **Smith BT**, Watson E, Arumugasaamy N, Mikos AG, Fisher JP. "3D printing for the design and fabrication of polymer-based gradient scaffolds". *Acta Biomaterialia*. 2017. DOI:10.1016/j.actbio.2017.03.030
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## **Christopher Sylvester**

- Sylvester CB**, Abe J, Patel ZS, Grande-Allen KJ. "Radiation-induced cardiovascular disease: mechanisms and importance of linear energy transfer". *Frontiers in Cardiovascular Medicine*. 2018. DOI:10.3389/fcvm.2018.00005

## **Alexander Tatara**

- Tatara AM**, Watson E, Satish T, Scott DW, Kontoyiannis DP, Engel PS, Mikos AG. "Synthesis and characterization of diol-based unsaturated polyesters: poly(diols fumarate) and poly(diols fumarate-co-succinate)". *Biomacromolecules*. 2017. DOI:10.1021/acs.biomac.7b00044
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- Jundt JS, Wong MEK, **Tatara AM**, Demian NM. "Invasive cutaneous facial mucormycosis in a trauma patient". *Journal of Oral and Maxillofacial Surgery*. 2018. DOI:10.1016/j.joms.2018.01.022

## **Julie Tomolonis**

- Tomolonis JA**, Agarwal S, Shohet JM. "Neuroblastoma pathogenesis: Deregulation of embryonic neural crest development". *Cell and Tissue Research*. 2017. DOI:10.1007/s00441-017-2747-0

## **Jarey Wang**

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## **Julia Wang**

- Wang J**, Al-Ouran R, Hu Y, Kim S-Y, Wan Y-W, Wangler MF, Yamamoto S, Chao H-T, Comjean A, Mohr SE, et al. "MARRVEL: Integration of human and model organism genetic resources to facilitate functional annotation of the human genome". *The American Journal of Human Genetics*. 2017. DOI:10.1016/j.ajhg.2017.04.010
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- El-Hattab AW, Dai H, Almannai M, **Wang J**, Fageih EA, Al Asmari A, Saleh MAM, Elamin MAO, Alfadhel M, Alkuraya FS, et al. "Molecular and clinical spectra of FBXL4 deficiency". *Human Mutation*. 2017. DOI:10.1002/humu.23341

## **Emma Watson**

- Tatara AM, **Watson E**, Satish T, Scott DW, Kontoyiannis DP, Engel PS, Mikos AG. "Synthesis and characterization of diol-based unsaturated polyesters: poly(diols fumarate) and poly(diols fumarate-co-succinate)". *Biomacromolecules*. 2017. DOI:10.1021/acs.biomac.7b00044
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## **Eric Yang**

- Yang EC**, Tan MT, Schwarz RA, Richards-Kortum RR, Gillenwater AM, Vigneswaran N. "Non-invasive diagnostic adjuncts for the evaluation of potentially premalignant oral epithelial lesions: Current limitations and future directions". *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology* (Accepted).

## **Lin Zhu**

- Zhu LL**, Beauchamp MS. "Mouth and voice: A relationship between visual and auditory preference in the human superior temporal sulcus". *The Journal of Neuroscience*. 2017. DOI:10.1523/jneurosci.2914-16.2017

## **Winnie Zou**

- Zou WY**, Blutt SE, Zeng XL, Chen MS, Lo YH, Castillo-Azofeifa D, Klein OD, Shroyer NF, Donowitz M, Estes MK. "Epithelial WNT ligands are essential drivers of intestinal stem cell activation". *Cell Reports*. 2018. DOI:10.1016/j.celrep.2017.12.093
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- Lo YH, Noah TK, Chen MS, **Zou WY**, Borrás E, Vilar E, Shroyer NF. "SPDEF induces quiescence of colorectal cancer cells by changing the transcriptional targets of  $\beta$ -catenin". *Gastroenterology*. 2017. DOI:10.1053/j.gastro.2017.03.048
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