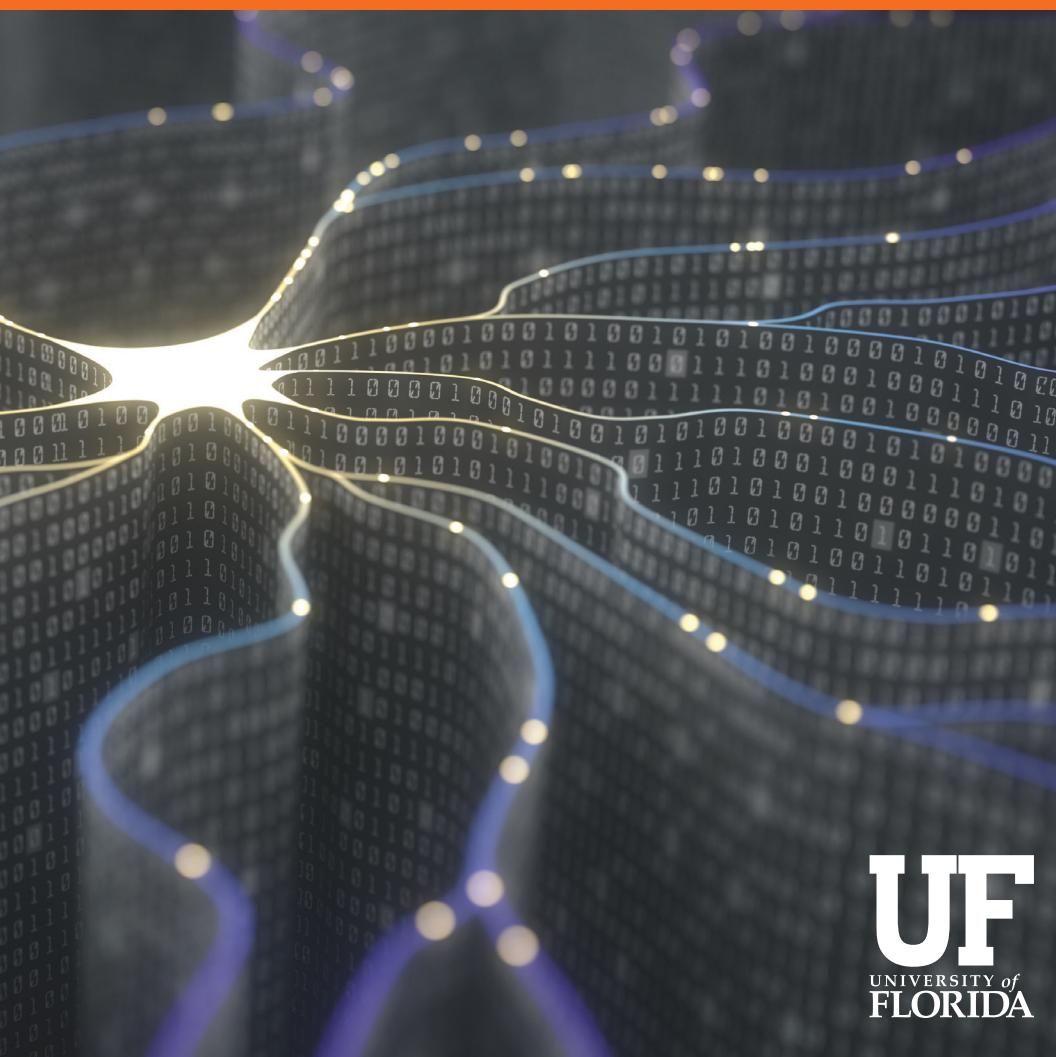


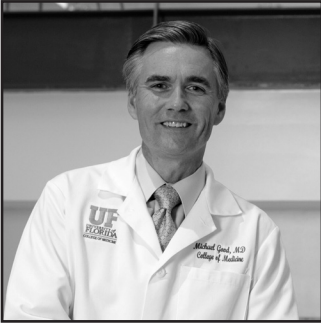
UNIVERSITY OF FLORIDA
COLLEGE OF MEDICINE

2018 Celebration of Research



UF
UNIVERSITY of
FLORIDA

Welcome from the Dean



The annual University of Florida College of Medicine Celebration of Research affords me the opportunity to say Thank You.

Thank you for the late nights, the papers written and reviewed, the grant proposals that have been funded and those that will be resubmitted, the patience that you have shown with the varied hurdles placed in the pathway of research. But most importantly, thank you for the passion that

you employ to move the boundary of science knowledge forward. Your research vision and the work of your research teams are appreciated and valued. The discoveries and inventions that result from the basic, translational, population and clinical research at our university are transforming medicine. Thank you for your dedication to creating a healthier future for all. The College of Medicine stands proudly behind your efforts.

Michael L. Good, MD
Dean, UF College of Medicine



POSTER SESSION & RECEPTION

Monday, February 19, 2018

5:30pm – 8:30pm

Stephen C. O'Connell Center

Slow down and smell the roses



The 2018 Celebration is already here. Where did the year go? 2017 was indeed another remarkable year of continued growth and progress for research within the College of Medicine, and 2018 is already off to a great start. We have all been running and seem a bit out of breath. Now it is time to slow down and appreciate the breadth and depth of the College of Medicine's research endeavors

and recognize how our research is directed at fundamental, timely, and significant areas of human health. The rows of research posters that will fill the floor of the Exactech Arena at the Stephen C. O'Connell Center remind me of the rows in a garden. While it will be impossible to visit all 500+ posters (I have tried and failed), I suggest that we slow down and enjoy our time visiting with students, postdocs, and faculty colleagues. The science reflected on these posters are our "roses" – let's appreciate them.

Stephen P. Sugrue, PhD
Senior Associate Dean for Research Affairs
UF College of Medicine

SEMINARS

Tuesday, February 20, 2018 – Keynote Speaker

12:00 noon C1-15, Communicore Building, HSC

“Dynamic Histone Methylation Regulation: Mechanism and Link to Human Disease”



Yang Shi, PhD The Shi Lab is interested in epigenetic mechanisms that control gene expression and other chromatin template-based nuclear events. Yang Shi's research and his team's landmark discovery of histone demethylases redefined histone methylation as a steady yet revocable process. The Shi Lab has since focused on how epigenetic changes can propagate from one generation

to another, as well as the molecular mechanisms which ensure stability and reversibility of epigenetic information. His studies have shed light on how chemical modifications (e.g. methylation) are put onto chromatin, how modifications (i.e. histone and DNA methylation) are removed and how combinatorial modifications of chromatin are recognized by effector proteins. Most importantly, his studies highlight the means by which chromatin modifications translate into specific biological processes and thus impact human health.

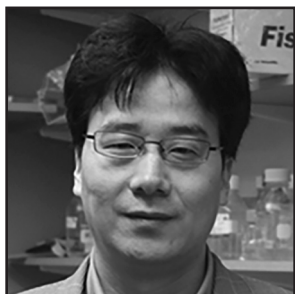
Yang Shi joined Harvard Medical School as an assistant professor in 1991 and was appointed a Professor of Pathology in 2004. He is currently a Professor of Cell Biology. He is also the Merton Bernfield Professor of Neonatology in the Division of Newborn Medicine at Boston Children's Hospital. Yang Shi received his PhD from New York University and postdoctoral training at Princeton University.

SEMINARS

Tuesday, February 20, 2018 – Special Guest Seminar

4:00pm Cancer Genetics Research Building Auditorium, Rm 101

"A New Axis Linking Diabetes to Cancer: Glucose Regulates Tumor Suppressor TET2 and 5hmC Through AMPK"



Yujiang (Geno) Shi, PhD (UF '00) Dr. Shi's

research explores the biological functions and clinical implications of the histone demethylases, studying how the epigenetic machinery is regulated by cellular factors and metabolic signals, with the goal of identifying and characterizing these novel epigenetic players to better understand the mechanisms regulating chromatin in health

and disease. In 2004, Dr. Shi isolated and characterized the first histone lysine specific demethylase, LSD1. This discovery ended the 40-year-long debate of the reversibility of histone methylation and also led to a paradigm shift in the field of chromatin biology. His research group has also identified novel histone and DNA demethylation enzymes and shown their biological functions in cancer and neurological disorders, discovered 5hmC as an emerging epigenetic hallmark of cancer, and revealed a critical role for TET2 in cancer development. Collectively, his findings have transformed our understanding of the dynamics of the epigenome and its regulation, as well as its relevance and impact in the advancement of human health.

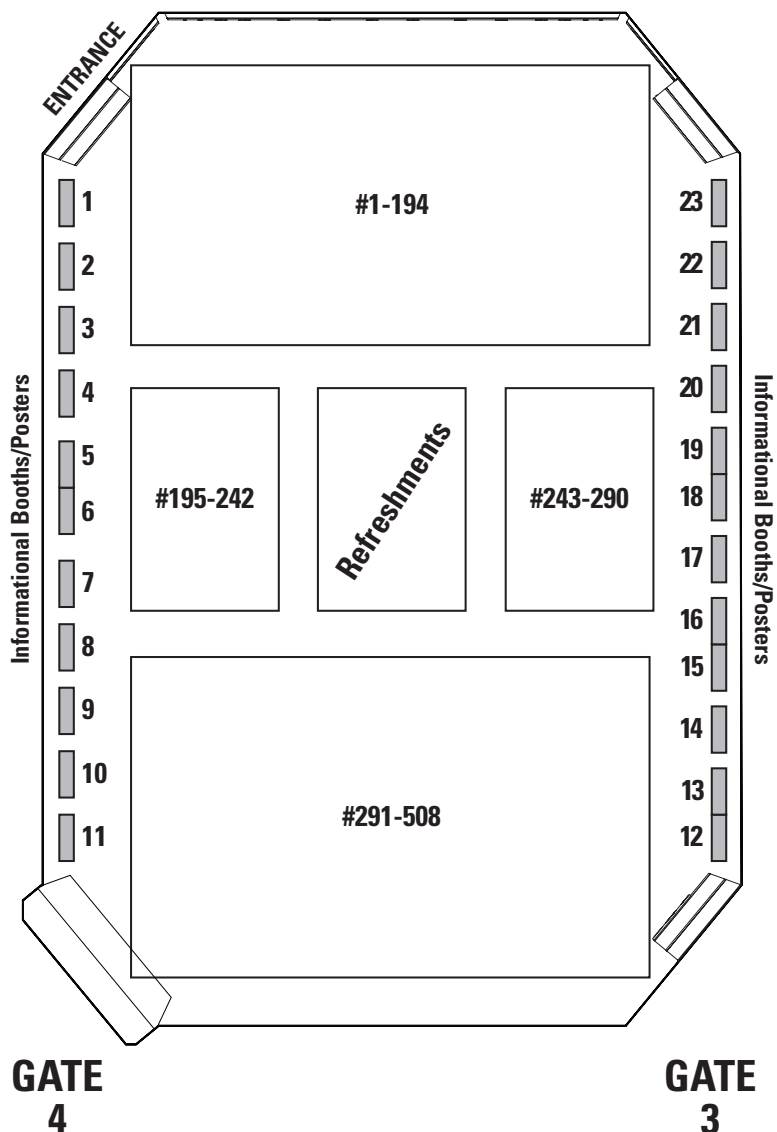
Yujiang Shi joined the faculty of Harvard Medical School as assistant professor in 2005. He is currently an Associate Professor in the Division of Endocrinology, Diabetes & Hypertension at Brigham and Women's Hospital and Harvard Medical School. Yujiang Shi received his PhD from the University of Florida College of Medicine and postdoctoral training at Harvard Medical School with Dr. Yang Shi.

Sponsored by: The Joseph & Leila Applebaum Visiting Professorship

FLOOR PLAN

**GATE
1**

**GATE
2**



INFORMATIONAL BOOTHS/POSTERS

#	Name
1	Health Science Center Library
2	Powell Gene Therapy Center
3	Electron Microscopy Core Facility
4	Advanced Magnetic Resonance Imaging & Spectroscopy Facility
5-6	Interdisciplinary Center for Biotechnology Research
7	Interdisciplinary Cardiac Arrest Study Group
8	Center for Addiction Research & Education
9	Substance Abuse Training Center in Public Health
10	UF Information Technology
11	Center for Smell & Taste
12-13	Research Service Centers; Herbert Wertheim College of Engineering
14	Department of Biostatistics
15-16	All of Us Precision Medicine Initiative
17	HealthStreet
18-19	Office of Clinical Research
20	Clinical & Translational Science Institute
21	Clinical & Translational Science Institute, Biotility
22	Department of Health Outcomes & Biomedical Informatics
23	Office of Graduate Education

POSTER TITLES

1. Modified cross-linking, ligation, and sequencing of hybrids (qCLASH) identifies KSHV microRNA targets in endothelial cells.

Lauren Gay, Sunantha Sethuraman, Merin Thomas, Peter Turner, Rolf Renne

2. Polynucleotide phosphorylase regulates quorum sensing as well as biofilm formation via a novel rhII-targeting sRNA in *Pseudomonas aeruginosa*.

Ronghao Chen, Xueying Wei, Yuding Weng, Yongxin Jin, Zhihui Cheng, Weihui Wu, Shouguang Jin

3. Putrescine dependent expression of sigma factor σ^{54} (rpoN) is

mediated through Ntr system in *Escherichia coli*. Young-Sik Kim, Jong-Ho Lee, Shouguang Jin

4. PA5470 counteracts antimicrobial effect of azithromycin by

releasing stalled ribosome in *Pseudomonas aeruginosa*. Jing Shi, Yiwei Liu, Yongxin Jin, Fang Bai, Zhihui Cheng, Weihui Wu, Shouguang Jin

5. Thymosin β_4 , a novel biologic therapy for post-traumatic

osteoarthritis. Omar Awan, Reuben Judd, Ann Chauffe, Michael Bubb

6. The bactericidal effects of synovial fluid.

Samy Gabriel, Michael Bubb, Reuben Judd

7. Oral delivery of Ang-(1-7) bioencapsulated in plant cells improves insulin sensitivity and renal injury in diabetic mice.

Tao Du, Kang Xu, Ping Zhu, Amrisha Verma, Zhiyong Fu, Qihong Li

8. Optic Atrophy 1 (OPA1) gene expression in human eyes with diabetic retinopathy and age-related macular degeneration.

Amrisha Verma, Ping Zhu, Tuhina Prasad, Qihong Li

9. Reduced Optic Atrophy 1 (OPA1) gene expression in diabetic mouse retina: Implication of mitochondrial dynamics in the pathogenesis of diabetic retinopathy.

Amrisha Verma, Ping Zhu, Tuhina Prasad, Qihong Li

10. Transfection efficiency and cellular toxicity of different

transfection reagents for human retinal and non-retinal cells. Amrisha Verma, Qihong Li

11. Oral delivery of recombinant probiotics expressing

Angiotensin-(1-7) improves glucose tolerance and insulin level in

diabetic mice. Kang Xu, Tao Du, Ping Zhu, Zhibing Liang, Amrisha Verma, Tuhina Prasad, Qihong Li

- 12. Persistent hypercatecholaminemia drives hematopoietic progenitor cell mobilization following trauma.** Getasha Doobay, Elizabeth Miller, Tyler Loftus, Kolenkode Kannan, Philip Efron, Alicia Mohr
- 13. Systemic regulation of bone marrow stromal cytokines following severe trauma.** Elizabeth Miller, Tyler Loftus, Kolenkode Kannan, Jessica Plazas, Philip Efron, Alicia Mohr
- 14. Characterizing diffusion weighted images using Configuration Analysis of Spherical Harmonics (CASH).** Manish Amin, Guita Banan, Luis Colon-Perez, Matt Hey, Thomas Mareci
- 15. A study of magnetic susceptibility anisotropy in white matter using rat's spinal cord.** Guita Banan, Thomas Mareci
- 16. 3D mapping of perivascular network using MRI.** Magdoo Kulam, Michael King, Joshua Yarrow, Malisa Sarntinoranont, Thomas Mareci
- 17. Identification of macrophage reservoirs through tropism of HIV-1 envelopes.** Carla Mavian, Viviane Machado, Thaissa Cordeiro, Labelle Barrios, Aubrey Morales, Mark Sharkey, Mario Stevenson, Marco Salemi
- 18. Genomic epidemiology of toxigenic *Vibrio cholerae* O1 in Haiti.** Taylor Paisie, Carla Mavian, Taj Azarian, David Nolan, Afsar Ali, Meer Alam, J. Glenn Morris Jr, Marco Salemi
- 19. Development of an allele-independent gene replacement therapy for Best Vitelliform Macular Dystrophy using RNAi technology.** Brianna Bowman, Karina Guzewicz, Alfred Lewin, William Hauswirth, Cristhian Ildefonso
- 20. Intravitreal delivery of the AAV2quad+T-V/smCBA-sGFP-TatNrf2mer in two models of RPE oxidative damage.** Brianna Bowman, Alfred Lewin, Cristhian Ildefonso
- 21. Presence and diversity of bacteria in fetal tissues.** Zubin Paul, Michelle Rodriguez, Maureen Keller-Wood, Eric Triplett, Charles Wood
- 22. Movement of green fluorescent protein-labeled *Staphylococcus aureus* bacteria from maternal blood to fetal organs.** Kevin Yu, Elizabeth Gordon, Michelle Rodriguez, Zubin Paul, Kelly Rice, Maureen Keller-Wood, Eric Triplett, Charles Wood
- 23. Use of nano-computed tomography for quantitative, 3D-imaging of hearts.** Natalia Pereira, Mustafa Hashimi, Hideko Kasahara
- 24. Electrical inhibition (EI) of preterm uterine electrical and mechanical activity.** Kathryn Patrick, Jeffrey Karsdon, Frederick Naftolin, Neil Euliano, Anthony Gregg

- 25. Tick-tock, tick-tock: Clock gene expression is altered in sleep apnea.** Meaghan Holzworth, Muna Canales, Richard Berry, Rebecca Beyth, Michelle Gumz
- 26. Co-regulation of renal sodium transport genes by the circadian clock protein *Per1* and Aldosterone.** Sarah Masten, Brian Cain, Charles Wingo, Michelle Gumz
- 27. Cosinor analysis reveals non-dipping hypertension in mixed background strain mice lacking the circadian clock protein *Per1*.** Amber Miller, Kristen Solocinski, I. Jeanette Matheny, Charles Wingo, Michelle Gumz
- 28. Phosphorylation of Krüppel-associated Box (KRAB)-associated protein (KAP)-1 via ATM impairs its ability to restrain Epstein-Barr virus lytic activation.** Xiaofan Li, Eric Burton, Sumita Bhaduri-McIntosh
- 29. Transcriptional activator STAT3 functions via KRAB-KAP1 transcriptional repressors to promote persistence of Epstein-Barr virus.** Xiaofan Li, Eric Burton, Siva Koganti, Sumita Bhaduri-McIntosh
- 30. ADAMTS-7: A new regulator in alcoholic liver fibrosis.** Adam Bria, Junmei Zhou, Bryon Petersen, Liya Pi
- 31. Hierarchical control of *HNF4a* and *YAP1* determines CTGF/*CCN2* enriched microenvironments critical for murine liver regeneration during acute injury.** Junmei Zhou, Xiaowei Sun, Marda Jorgensen, Adam Bria, Qi Cao, Daniel Gibson, Andrew Bryant, Liya Pi
- 32. Deregulation of T helper cell pathways in the basal plate of the placenta is associated with preeclampsia.** Jessica Jackson, Belen Rabaglino, Martha Campbell-Thompson
- 33. Islet microvasculature alterations induced by B-cell loss.** Lith Nasif, Joseph Canzano, Elizabeth Butterworth, Martha Campbell-Thompson
- 34. Elucidation of an H-K-ATPase type 2 associated aldosterone escape mechanism.** Oliver Shore, Luciana Morla, I. Jeanette Matheny, Charles Wingo
- 35. The RECLAIM trial (Rescuing Endstage Cardiac Failure Lifespan by Administration of Intravenous MPC/MS). Keith March, Carl Pepine, Eileen Handberg, Ruxandra Sava**
- 36. Modeling T1D: iPSC-derived moDCs display the same cell-surface markers as primary moDCs.** Lucas Armitage, Katherine Santostefano, Melanie Cash, Jing Chen, Naohiro Terada, Alexi Savinov, Todd Brusko, Clayton Mathews, Mark Wallet

- 37. The role of SH2B3 in type 1 diabetes.** Ana Camargo, Sneha Patel, Melanie Cash, Lucas Armitage, Jared Taylor, Mark Wallet
- 38. CRISPR/Cas9 knockout of USP18 enhances type I IFN responsiveness and restricts HIV-1 infection in macrophages.** Jared Taylor, Melanie Cash, Katherine Santostefano, Mahito Nakanishi, Naohiro Terada, Mark Wallet
- 39. Metabolomic characterization of intestinal oxalate degrading bacteria by liquid chromatography high-resolution mass spectrometry.** Casey Chamberlain, Cory Leonard, Marguerite Hatch, Timothy Garrett
- 40. Microbiome analysis of cholesteatoma by gene pyrosequencing.** David Karnani, Joshua Weiss, Patrick Antonelli, Carolyn Dirain
- 41. NanoCT analysis of lower urogenital tract development.** Julia Bittencourt, Brooke Armfield, Edward Stanley, Martin Cohn
- 42. Hedgehog signaling initiates genital tubercle development.** Alexandra Carroll, Brooke Armfield, Martin Cohn
- 43. Sexually dimorphic skin growth in the dewlap of anole lizards.** Margaret Johnson, Bonnie Kircher, Martin Cohn
- 44. Growing apart: Characterizing the development of sexual dimorphism.** Bonnie Kircher, Martin Cohn
- 45. A mouse model for environmentally-induced birth defects of the reproductive system.** Kelsey Lewis, Martin Cohn
- 46. Sexually dimorphic digit development in *Anolis sagrei*.** Griffin McNamara, Bonnie Kircher, Martin Cohn
- 47. The effects of the endocrine disruptor vinclozolin on the sexually dimorphic 2D:4D ratio.** Lindsey North, Kelsey Lewis, Martin Cohn
- 48. A new method for shell-less culture of chicken embryos.** Darius Ramkhalawan, Rajendhran Rajakumar, Martin Cohn
- 49. Expression of a set of cranial neural crest regulatory genes in developing mouse teeth.** Emily Woodruff, Alyssa Mangino, Jonathan Bloch, Martin Cohn
- 50. An efficient resampling method for order-restricted gene-trait association analysis.** Yeonil Kim, Yueh-Yun Chi, Fei Zou

51. Algorithms to predict arboviral infections using clinical and demographic information from febrile patients in an area with coincident outbreaks of Dengue, Chikungunya and Zika. Jacob Ball, Maha El Badry, Taina Telisma, Sarah White, Sonese Chavannes, Marie Gina Anilis, Xinguang Chen, Mattia Prosperi, Eben Kenah, Yang Yang, Derek Cummings, John Lednicky, J. Glenn Morris Jr, Valery Madsen Beau de Rochars

52. A cyclic AMP dependent pathway regulates intestinal oxalate secretion. Jonathan Whittamore, Marguerite Hatch

53. Insulin-like growth factor axis collectively identifies pre-type 1 diabetes. Melanie Shapiro, Clive Wasserfall, Andrew Schultz, Sean McGrail, Michael Haller, Desmond Schatz, Mark Atkinson, Todd Brusko

54. Costimulatory molecules CD226 and TIGIT impact CD8+ T cell activity and function during type 1 diabetes. Wen-I Yeh, Howard Seay, Brittney Newby, Clayton Mathews, Todd Brusko

55. Stress-inducible retinal neuroprotective pathways and microglial phenotype depend on Toll-like receptor 2. Robert Browning, Marcus Hooper, Clayton Santiago, John Ash

56. Development of a reporter to identify small molecules for mitochondrial biogenesis. Charlotte Henke, Robert Browning, Casey Keuthan, Clayton Santiago, John Ash

57. Genetic loss of the metabolic sensor AMPK results in an accelerated aging of the retina. Lei Xu, Lena Phu, Abraham Bell, John Ash

58. Cardiac dysfunction in older sepsis patients. Robert Mankowski, John Petersen, John Larocca, Scott Brakenridge, Stephen Anton, Christiaan Leeuwenburgh, Lyle Moldawer, Frederick Moore

59. Comparative analysis of outcomes between urosepsis and intra-abdominal sepsis patients. Julie Stortz, Steven Raymond, Russell Hawkins, Marvin Dirain, Ricardo Ungaro, Dina Nacionales, McKenzie Hollen, Gabriela Ghita, Zhongkai Wang, Philip Efron, Scott Brakenridge, Lyle Moldawer, Frederick Moore

60. Protection from lethal flu infections: Lessons from a systemic lupus mouse model. Georges Abboud, Seung-Chul Choi, Anton Titov, Wei Li, Laurence Morel

- 61. CTCF boundary remodels chromatin domain and drives aberrant HOX gene transcription in acute myeloid leukemia.** Huacheng Luo, Fei Wang, Haoli Li, Bowen Yan, Qinghua Du, Shi Chen, Jie Zha, Amin Sobh, Christopher Vulpe, Leylah Drusbosky, Christopher Cogle, Iouri Chepelev, Bing Xu, Stephen Nimer, Jonathan Licht, Yi Qiu, Baoan Chen, Mingjiang Xu, Suming Huang
- 62. The effects of a ketogenic diet on a murine model of MPS IIIB.** Joseph DeCosmo, Alex McNally, Coy Heldermon
- 63. ATG plus recombinant probiotic expressing proinsulin prevents type 1 diabetes in NOD mice.** Olivia Bailey, Clive Wasserfall, Amanda Posgai, Sean McGrail, Clayton Mathews, Andrea Lin, Mark Atkinson
- 64. No compensatory increase in non- β hormone expressing cells in the pancreatic duct glands in type 1 diabetes.** Shweta Kulkarni, Mark Atkinson, Alexandra Butler
- 65. Untargeted metabolomic analysis in naturally occurring canine diabetes mellitus identifies similarities to human type 1 diabetes.** Allison O’Kell, Timothy Garrett, Clive Wasserfall, Mark Atkinson
- 66. Exocrine pancreatic function as a novel biomarker in pre-T1D.** James Ross, Clive Wasserfall, Daniel Perry, Kieran McGrail, Amanda Posgai, Todd Brusko, Desmond Schatz, Michael Haller, Mark Atkinson
- 67. Co-regulation of alternative splicing by MBNL and RBFOX.** Melissa Hale, Stacey Wagner, Hailey Olafson, Sunny Ketchum, Ona McConnell, Jared Richardson, Amy Mahady, Adam Struck, Eric Wang, Andy Berglund
- 68. Shaken or stirred: Small molecule cocktails are a viable therapeutic approach for myotonic dystrophy type 1.** Jana Jenquin, Masayuki Nakamori, Andy Berglund
- 69. Development of a high-throughput assay to identify novel compounds that block transcription from expanded CTG repeats in myotonic dystrophy.** Kaalak Reddy, Jana Jenquin, Ona McConnell, Eric Wang, Andy Berglund
- 70. A SOCS1 peptide alleviates inflammation and associated damage to barrier properties of ARPE-19 cells.** Chulbul Ahmed, Howard Johnson, Alfred Lewin
- 71. Novel gene therapy elicits reduced choroidal neovascularization.** Manas Biswal, Howard Prentice, George Smith, Eleut Hernandez, Ping Zhu, Tong Yao, C. Kathleen Dorey, Alfred Lewin, Janet Blanks

72. Expression of the myxoma virus protein M013 mutants using AAV.

Jieun Lee, Brianna Bowman, Rekha Garg, Cody Jackson, Masmudur Rahman, D. Grant McFadden, Cristhian Ildefonso, Alfred Lewin

73. Towards a gene therapy for retinitis pigmentosa.

Michael Massengill, Deep Patel, Neil Ash, Farwa Jafri, Ernesto Sabogal, Ping Zhu, Cristhian Ildefonso, William Hauswirth, Alfred Lewin

74. Development of viral serpins from Myxoma virus for use in gene therapy for ocular inflammation.

Virginia White, Sriram Ambadapadi, Matthew Amontree, Brianna Bowman, Alexandra Lucas, D. Grant McFadden, Cristhian Ildefonso, Alfred Lewin

75. Estradiol enhances leptin response in male rats.

Isabelle Côté, Sara Green, Drake Morgan, Christy Carter, Nihal Tümer, Philip Scarpace

76. Inhibiting late sodium current attenuates isoproterenol-induced transient inward current and delayed afterdepolarizations in ventricular myocytes.

Yejia Song, Nesrine El-Bizri, Sridharan Rajamani, Luiz Belardinelli

77. Hyaluronan-CD44 signaling promotes development of PD-L1+ macrophages in tumor microenvironment.

Paul Ramon Dominguez Gutierrez, Sergei Kusmartsev

78. A mouse model of Angelman syndrome imprinting defects.

Michael Lewis, Deb Morse, James Resnick

79. Mechanotransduction of adipose derived stem cells on polyacrylamide hydrogels.

Peter Vonu, Hulan Shang, Dan Stewart, Chelsey Simmons, Adam Katz

80. Functional analysis of β -globin locus control region hypersensitive site 2-associated proteins and noncoding RNA.

Aishwarya Gurumurthy, Paul Wassel, Shaleen Thakur, Mir Hossain, Jared Stees, Kate Gavrilova, Jörg Bungert

81. Patient derived stem cells serve as a model for investigating polymorphisms in hypertension.

Natalie Fredette, Elijah Malik, Katherine Santostefano, Naohiro Terada

82. Mammalian Dicer directly cleaves 5'-extended m7G-capped microRNA precursors.

Peike Sheng, Christopher Fields, Tianqi Wei, Tongjun Gu, Oralia Kolaczowski, Bryan Kolaczowski, Mingyi Xie

83. The effects of calcium supplementation to oral rehydration solution in a cholera toxin induced secretory diarrhea mouse model.

Lieqi Tang, Sam Cheng, Johnathan Fraebel

- 84. Calcium sensing receptor and toll-like receptor 4 interaction in cultured Caco-2 human intestinal epithelial cells: A mechanistic study of bacteria-nutrient interaction in the gut.** Jane Harrell, Sam Cheng
- 85. Examining the pathogenicity of variants of uncertain significance in Factor I from transplant candidates: An approach to better understand complement regulators and their role in atypical hemolytic uremic syndrome.** Laura Cline, Anuja Java, John Atkinson
- 86. Investigating metabolic changes caused by oncolytic myxoma virus in SFxL glioblastoma cells.** Mukundan Ragavan, Masmudur Rahman, D. Grant McFadden, Matthew Merritt
- 87. Meta-analysis of metabolomic data.** Alison Morse, Lauren McIntyre
- 88. Event analysis: Using transcript events to improve estimates of abundance in RNA-Seq data.** Jeremy Newman, Patrick Concannon, Manuel Tardaguila, Ana Conesa, Lauren McIntyre
- 89. Experimental designs for Multi-OMIC studies.** Funda Ogut, Jeremy Newman, Lauren McIntyre
- 90. Salt-sensitive 129Sv mice display urinary exosomal differences.** Lauren Liu, Kubra Tuna, Kevin Chacko, Victor Sanchez, Whitney Schramm, Hamzah Ahmed, Abdel Alli
- 91. Comparing profiles of urinary exosomes from diabetic hypertensive db/db mice and wild type mice.** Whitney Schramm, Kubra Tuna, Kevin Chacko, Victor Sanchez, Hamzah Ahmed, Lauren Liu, Abdel Alli
- 92. Mal protein negatively regulates renal ENaC activity by increasing phospholipase C membrane expression.** Kubra Tuna, Qiang Yue, Zinah Ghazi, Otor Al-Khalili, Douglas Eaton, Abdel Alli
- 93. Contemporary use and outcomes of neoadjuvant chemotherapy prior to radical cystectomy.** Kevin Campbell, Jennifer Kuo, Long Dang, Bruce Stechmiller, Shahab Bozorgmehri, Michael Blute, Paul Crispen
- 94. Evaluation of the timing of adjuvant mitomycin C following nephroureterectomy for urothelial carcinoma of the upper tract.** Blake Noennig, Shahab Bozorgmehri, Russell Terry, Mohit Gupta, Brandon Otto, Michael Blute, Li-Ming Su, Paul Crispen
- 95. Pioglitazone improves hepatic mitochondrial function in a mouse model of nonalcoholic steatohepatitis.** Srilaxmi Kalavalapalli, Nishanth Sunny, Fernando Bril, Ariana Vergara, Alejandra Vargas, Kenneth Cusi

96. Heterotypic interaction of endothelial and adipose pericyte-like cells induces expression of angiostatic factor Activin A through notch signaling pathways. Stephanie Merfeld-Clauss, Hongyan Lu, Tom Jones, Dongni Feng, Keith March, Dmitry Traktuev

97. A novel small compound identified by molecular docking for the treatment of alpha-1 antitrypsin deficiency associated liver disease. Xiaojuan Zhang, Kien Pham, Danmeng Li, Susana Restrepo, Austin Bracey, Chen Liu, David Ostrov

98. Reduction of both planktonic and biofilm bacteria in a pig skin explant model by a topical LAE formulation. Xinxin Zhu, Hongen Zhang, Qingping Yang, Daniel Gibson, Gregory Schultz

99. A rat model to study the role of gut bacteria in the regulation of urinary calcium. Raghav Pai, Pedro Espino-Grosso, Ryan Chastain-Gross, Paul Ramon Dominguez Gutierrez, John Asplin, Saeed Khan, Benjamin Canales

100. YoaA, a putative helicase in bacteria involved in repairing blocks to DNA replication. Yasmin Ali, Margaret Hibnick, Una Milovanovic, Leslie Morris, Nikila Ojili, Sneha Sathish, Linda Bloom

101. Identification and validation of murine gammaherpesvirus 68 miRNA targets. Whitney Bullard, Mehmet Kara, Sunantha Sethuraman, April Feswick, Shreya Nirmalan, Alim Esemenli, Erik Flemington, Rolf Renne, Scott Tibbetts

102. Alum pretreatment affects IL-10 and pAKT and improves survival from murine neonatal sepsis. Russell Hawkins, Jaimar Rincon, Steven Raymond, Ricardo Ungaro, James Wynn, Lyle Moldawer, Shawn Larson

103. Measurement of spontaneous neutrophil migration from whole blood of human neonates with and without ex vivo LPS stimulation. Steven Raymond, Russell Hawkins, Tyler Murphy, Jaimar Rincon, Julie Stortz, Felix Ellett, Lyle Moldawer, Daniel Irimia, Shawn Larson

104. Adjustments of multi-sample U-statistics to right censored data and confounding covariates. Yichen Chen, Somnath Datta

105. Differential network analysis based on next-generation sequencing data. Tyler Grimes, Somnath Datta

106. HSV-1 miRNAs H1/H6 and H8 differentially modulate viral replication in a cell-type specific manner. Enrico Barrozo, Sanae Nakayama, David Bloom

107. Effect of tympanic membrane microbiome on tympanoplasty success. Wayne Dell, Carolyn Dirain, David Karnani, Allen Tate, Sanjeev Balamohan, Varun Varadarajan, Patrick Antonelli

S

109. Overcoming glioblastoma resistance to immune checkpoint blockade via RNA-loaded nanoparticles. Elias Sayour, Adam Grippin, Hector Mendez-Gomez, Gabriel De Leon, Duane Mitchell

110. Stromal extracellular vesicle delivering tumor suppressive miR-145 contributes to pancreatic cancer cell death. Song Han, Michael Gerber, Dongyu Zhang, Mark Beveridge, Jose Trevino, Lyle Moldawer, Steven Hughes

111. Multifunctional RNA-nanoparticles to enhance and track dendritic cell vaccines. Adam Grippin, Brandon Wummer, Elias Sayour, Adam Monsalve, Tyler Wildes, Kyle Dyson, Jon Dobson, Duane Mitchell

112. RNA-engineered T cells as a tool to deliver cytokines to intracranial tumors. Fernanda Pohl-Guimaraes, Catherine Flores, Changlin Yang, Jeffrey Drake, Elias Sayour, Jianping Huang, Duane Mitchell

113. Hematopoietic stem cell-derived dendritic cells promote rejection of malignant glioma. Tyler Wildes, Bayli DiVita, David Damiani, Catherine Flores, Duane Mitchell

114. Tracking T-cell immune reconstitution after adoptive cellular therapy targeting recurrent medulloblastoma and PNETs using deep T-cell receptor (TCR) repertoire sequencing. Oleg Yegorov, Yanina Yegorova, Anjelika Dechkovskaia, Jianping Huang, Sri Gururangan, Duane Mitchell

115. Clinical utility of post-chemoradiation therapy restaging with MRI for stage II-III rectal cancer patients. Mahmoud Aryan, Nathan Burriss, Thom George, Steven Hughes, Sanda Tan, Atif Iqbal

116. Outcomes after transanal excision or transabdominal resection for stage I rectal cancer patients. Nathan Burriss, Mahmoud Aryan, Tyler Loftus, Thom George, Steven Hughes, Sanda Tan, Atif Iqbal

117. CCR2 antagonist and immune checkpoint inhibitors as a novel combinatorial therapeutic approach for Glioblastoma. Joseph Flores-Toro, Adithya Gopinath, Defang Luo, Christian Krieger, Matthew Sarkisian, James Campbell, Israel Charo, Thomas Schall, Jeffrey Harrison

- 118. Treatment-resistant slow-cycling cells support metabolic heterogeneity and adaptability in glioblastoma.** Lan Hoang-Minh, Changlin Yang, Florian Siebzehrubl, Kyle Dajac, Nicholas Andrews, Michael Schmoll, Timothy Garrett, Jianping Huang, Elias Sayour, Duane Mitchell, Matthew Sarkisian, Brent Reynolds, Loic Deleyrolle
- 119. Immune-targeting of slow-cycling malignant glioma cells via RNA nanoparticle vaccines.** Elias Sayour, Adam Grippin, Tyler Loche, Brian Nazareth, Changlin Yang, Ginger Moore, Michael Andrews, Mariana Dajac, Hector Mendez-Gomez, James McGuiness, Jeannette Lo, Aida Karachi, Farhad Dastmalchi, Catherine Flores, Jianping Huang, Duane Mitchell, Loic Deleyrolle
- 120. Cancer associated mutations in histone genes destabilize nucleosome structure, alter gene expression and stimulate neoplastic growth.** Richard Bennett, Aditya Bele, Rajarshi Gosh, Eliza Small, Behnam Nabet, Xiaoxiao Huang, Jon Oyer, Christine Will, Adrian Grzybowski, George Schatz, Tao Yu, Vadim Backman, Greta Bauer, Alex Ruthenberg, Tanmay Lele, Jan Liphardt, Jonathan Licht
- 121. UTX/KDM6A loss enhances the malignant phenotype of multiple myeloma and sensitizes cells to EZH2 inhibition.** Teresa Ezponda, Daphné Dupéré-Richer, Christine Will, Eliza Small, Nobish Varghese, Tej Patel, Behnam Nabet, Relja Popovic, Jon Oyer, Marinka Bulic, Yupeng Zheng, Xiaoxiao Huang, Mrinal Shah, Manuela Occhionorelli, Giovanni Tonon, Neil Kelleher, Jonathan Keats, Jonathan Licht
- 122. Proteomics profiling analysis reveals histone methyltransferase NSD2 enhances DNA repair by interacting with poly [ADP-ribose] polymerase 1.** Xiaoxiao Huang, Richard LeDuc, Neil Kelleher, Jonathan Licht
- 123. Interplay between oncogenic signaling pathways and epigenetic modifiers in the development of Acute Myeloid Leukemia.** Camille Jacques, Richard Bennett, Daphné Dupéré-Richer, Jianping Li, Sayantan Maji, Aditya Bele, Alberto Riva, Sharon Norton, Crissandra Piper, Jonathan Licht
- 124. Generation of a multiple myeloma mouse model using constitutively active IL-6 receptor.** Sharon Norton, Jianping Li, Crissandra Piper, Catalina Troche, Daphné Dupéré-Richer, Sayantan Maji, Aditya Bele, Xiaoxiao Huang, Camille Jacques, Richard Bennett, Jonathan Licht
- 125. The role of NSD2 mutation in therapy resistance in childhood acute lymphoblastic leukemia.** Jianping Li, Catalina Troche, Daphné Dupéré-Richer, Alok Swardoop, Alberto Riva, Crissandra Piper, Marta Kulis, Sayantan Maji, Aditya Bele, Xiaoxiao Huang, Camille Jacques, Sharon Norton, Richard Bennett, Jonathan Licht

- 126. Loss of KDM6A and activation of RAS/PIK3CA oncogenic signaling – how they cooperate in cancer initiation and progression.** Sayantan Maji, Daphné Dupéré-Richer, Aditya Bele, Richard Bennett, Jonathan Licht
- 127. Risk factors associated with interval time between breast cancer diagnosis and development of brain metastasis.** Anurag Saraf, Christopher Grubb, Mark Hwang, Jordan Tai, Cheng Chia Wu, Ashish Jani, Matthew Lapa, Jacquelyn Andrews, Stephen Vanderkelen, Stephen Isaacson, Adam Sonabend, Sameer Sheth, Guy Mckhann, Micaehl Sisti, Jeffrey Bruce, Simon Cheng, Eileen Connolly, Tony Wang
- 128. Targeting mitochondria for combinatorial treatment in hepatocellular carcinoma.** Tiziana Palumbo, Nakul Datta, Yimu Lai, Anamika Ray, Steven Bensinger, Ali Zarrinpar
- 129. Alteration of host immunity with hematopoietic stem cells and anti-PD-1.** Bayli DiVita, Tyler Wildes, Brandon Fernandez, Duane Mitchell, Catherine Flores
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- 132. Targeting the Axl signaling pathway to impair cancer cell motility and invasiveness.** Mai Tanaka, Dietmar Siemann
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- 135. Aggressive surgical resection of glioblastoma and incidence of hospital-acquired conditions.** Logan Cope, Rachel Freedman, Dimitri Laurent, Patricia Sacks, Maryam Rahman

136. Aggressive surgical treatment of high grade glioma does not lead to an increase in Patient Safety Indicators. Rachel Freedman, Logan Cope, Tricia Sacks, Dimitri Laurent, Joseph Abbatematteo, Paul Kubilis, Maryam Rahman

137. Immunomodulation with temozolomide to improve efficacy of immune checkpoint inhibition for the treatment of glioblastoma. Aida Karachi, Farhad Dastmalchi, Changlin Yang, Jianping Huang, Duane Mitchell, Maryam Rahman

138. Recent trends in reimbursement for neurosurgeons practicing in the United States. Patricia Sacks, Matthew Decker, Carl Brophy, Paul Kubilis, Maryam Rahman

139. Interleukin-8 secretion due to leukemia induced endothelial-cell activation promotes AML expansion and chemoprotection. Jesse Terrell, Vindhya Vijay, Amy Meacham, Leylah Drusbosky, Gerard Madlambayan, Christopher Cogle

140. Personalized therapy design for Early T-Cell Precursor Acute Lymphoblastic Leukemia (ETP-ALL) using computational biology modeling with in vitro validation. Madeleine Turcotte, Raphael Bossé, Kimberly Hawkins, Amy Meacham, Vindhya Vijay, Girish Chinnaswamy, Manju Sengar, Ansu Kumar, Shwetha K, Anisha Kamath, Anjana Nair, Karthik Raju, Taher Abbasi, Shireen Vali, Christopher Cogle, Leylah Drusbosky

141. A phase I clinical trial of combretastatin A1 diphosphate in patients with relapsed or refractory acute myelogenous leukemia or myelodysplastic syndromes. Raphael Bossé, Bradley Collins, Zackery Beauchamp, Kimberly Hawkins, David Chaplin, Daniel Turner, Leslie Pettiford, Christina Cline, Maxim Norkin, Randall Brown, John Hiemenz, John Wingard, Jack Hsu, Jan Moreb, W. Stratford May, Christopher Cogle

142. Transarterial chemoembolization using conformable superabsorbent microspheres for hepatocellular carcinoma: Safety, efficacy, and liver progression free survival. Cesar Alvarado, Jehan Shah, Beau Toskich, Lindsay Thornton, Roniel Cabrera, Brian Geller, Sean Wiley, Darren Postoak, Jeffrey Vogel, Michael Lazarowicz, Mark Horvath

143. Imaging evaluation of the liver following transarterial radioembolization for primary and secondary hepatic malignancies: Exploring the utility of hepatocyte-specific MRI. Jaime Fields, Anthony Sorrentino, Altan Ahmed, Joseph Grajo

- 144. Using Aorta-Lesion-Attenuation-Difference (ALAD) on preoperative contrast-enhanced CT scan to differentiate between malignant and benign renal tumors.** Joseph Grajo, Russell Terry, Justin Ruoss, Blake Noennig, Jonathan Pavlinec, Shahab Bozorgmehri, Michael Blute, Paul Crispen, Li-Ming Su
- 145. Radiologic-pathologic correlation of renal cell carcinoma tumor size.** Anthony Sorrentino, Cesar Alvarado, Jaime Fields, Joseph Grajo
- 146. Quantifying subclinical cardiac radiation toxicity in breast cancer patients.** Walter O'Dell, Shruti Siva Kumar, Eric Zeng, Alexandria Waler, Christopher Klassen, Julie Bradley
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- 148. Reduction of p21 gene expression is linked to AML chemoresistance.** Qinwei Chen, Bowen Yan, Suming Huang, Bing Xu, Yi Qiu
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- 150. Epigenetic drugs selectively target a population of AML cells which is positive for CD123 cell surface marker and is chemoresistant.** Bowen Yan, Koji Shimada, Ming Tang, Haoli Li, Suming Huang, Yi Qiu
- 151. DAXX promotes de novo lipogenesis in triple-negative breast cancer.** Iqbal Mahmud, Timothy Garrett, Daiqing Liao
- 152. Strategy to enhance DC migration for increased efficacy of dendritic cell vaccine immunotherapy.** Farhad Dastmalchi, Aida Karachi, Hassan Azari, Duane Mitchell, Maryam Rahman
- 153. Targeting DNA replication as a therapeutic strategy for Acute Myeloid Leukemia with DNMT3A mutations.** Kartika Venugopal, Daphné Dupéré-Richer, Jonathan Licht, Olga Guryanova
- 154. Modeling osteosarcoma by 3D printing in liquid-like solids.** Samantha Marshall, Alfonso Martin-Peña, Thomas Angelini, Steve Ghivizzani, C. Parker Gibbs, W. Gregory Sawyer, Glyn Palmer

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- 156. Better knowledge of Alzheimer's disease among Hispanic compared to non-Hispanic community members.** Sadaf Milani, Linda Cottler, Catherine Striley
- 157. The influence of writing on the practice of medicine: A review of writing and narrative in medicine.** Robert Ratajczak
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- 159. Sphenopalatine ganglion: Block, radiofrequency ablation and neurostimulation – a systematic review.** Kwo Wei David Ho, Rene Przkora, Sanjeev Kumar
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- 161. The 5'UTR of ATXN1 is alternatively spliced and post-transcriptionally regulates Ataxin-1 expression.** Rachna Manek, Tiffany Nelson, Edgardo Rodríguez-Lebrón
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- 167. Severe nephrolithiasis and hyperammonemia associated with topiramate: Case reports and review of the literature.** (Susan) Zhong Ye-Bates, Louis Solomon, Jacqueline Hobbs

- 168. Molecular structure and proposed mechanism of hydroxocobalamin in vasoplegic syndrome: A review of intraoperative use of vitamin B12.** Fritz-Gerald Charles, Christopher Giordano, Bruce Spiess
- 169. A prospective, multicenter, randomized, double-blind, placebo-controlled study to evaluate the safety and efficacy of preoperative antithrombin supplementation in patients undergoing high-risk cardiac surgery with cardiopulmonary bypass.** Peter Jiang, Bruce Spiess
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- 174. Hypertension quality improvement initiative at the mobile outreach clinic.** Michael Dangl, Jonathan Harrell
- 175. Improvement in medical student robotic surgical skills and perception of surgery as career choice with a focused robotic training lab.** Tiffany Miller, Ann-Marie Carpenter, George Sarosi, Steven Hughes, Sanda Tan, Atif Iqbal
- 176. Temporary post-operative voiding dysfunction in predicting short-term midurethral sling success.** Mikaela O'Connor, Kelly O'Shea, Matthew Robinson, Emily Weber LeBrun
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- 178. Incidence of neoplasia in gastric hyperplastic polyps: An institutional experience of 459 polyps.** Joanna Chaffin, Ashwin Akki, Michael Feely

179. Impact of cessation of reflex immunohistochemical staining for *Helicobacter pylori* on gastric biopsy turnaround time. Maira Gaffar, Danielle Harrell, Jennifer Reppucci, Zhongbo Jin, Gregory Olsen, Ashwini Esnakula, David Gonzalo, Jesse Kresak, Xiuli Liu, Michael Feely

180. IgG4-related sclerosing sialadenitis presenting as a submandibular mass clinically suspicious for malignant neoplasm. Maira Gaffar, Brian Boyce, Anthony Mancuso, Larry Fowler, Jinping Lai

182. Unique genetic alterations present in co-existing SCC and BCC at the nasal vestibule. Zhongbo Jin, Kimberly Newsom, Brian Boyce, Petr Starostik, Jinping Lai

183. A case series of unique airway management in patients with micrognathia. Rhae Battles, Sonia Mehta

184. Community food security assessment of a small city in northern Florida. Andrew Davis, Erik Black

185. Four extremity weakness after lower lumbar transforaminal epidural injection of steroids: Reality or fiction? Juan Mora, Rene Przkora

186. Systematic review of randomized controlled trials evaluating patient controlled analgesia for the management of acute pain in the emergency department. Ivan Samcam, Linda Papa, Sagar Patel

187. Correlation of appointment status and insurance provider in an academic pain clinic. Richard Sims, Mohamed Osman, Windrik Lynch, Ajay Antony, Terrie Vasilopoulos, Rene Przkora

188. How safe is immunosuppression maintenance 1 year after renal allograft failure? Alejandra Mena-Gutierrez, Shahab Bozorgmehri, Kawther Alquadan, Alfonso Santos, Tezcan Ozrazgat-Baslanti, Karl Womer, Michael Casey

189. Detection of community acquired antibiotics from cholera and non-cholera patient urine and stool samples using mass spectrometry. Ludmila Alexandrova, Farhana Haque, Vasavi Ramachandran, Patricia Rodriguez, Ashton Creasy, Chris Adams, Firdausi Qadri, Mahmudur Rahman, Allis Chien, Eric Jorge Nelson

190. Performance of a cholera rapid test in the setting of high lytic phage and antibiotic burden: A prospective diagnostic study. Patricia Rodriguez, Emilie Schmidt, Farhana Haque, Vasavi Ramachandran, Ludmila Alexandrova, Jessica Grembi, Andrew Hryckowian, Stace Maples, Mahmudur Rahman, Eric Nelson

- 191. Is kratom a partial solution to our national opioid crisis? A case report.** Jonathan Browning, Ashley Bindshedler, PhuongTam Nguyen, Jacqueline Hobbs, Leonardo Rodriguez, Rajiv Tandon
- 192. Ethical dilemmas at the intersection of mental illness and the criminal justice system: A case study.** Jessica Khan, Rajiv Tandon
- 193. Endoscopic ultrasound guided micro-forceps: A promising modality for assessing pancreatic cysts.** Gregory Olsen, Amy Collinsworth, Dennis Yang, Peter Draganov, Ashwini Esnakula, Ashwin Akki
- 194. Mobile device accuracy for step counting across age groups.** Alexandra Lee, Yi Guo, Jiang Bian, Matthew Gurka, Alice Parish, Megan Smith, Thomas Buford, François Modave
- 195. Evaluation of tissue expansion for breast reconstruction.** Brooke Porter, Bruce Mast
- 196. Just the FACTS: The development of The Florida Annotated Gold Standard Corpus for Translation Science in Hypertension.** Nathan Boire, Rebecca Henderson, Selja Seppälä, Chloe Herring, William Hogan, Carl Pepine, Amanda Hicks
- 197. Developing an LGBTQ communication skill building intervention for oncologists: A Florida Academic Cancer Alliance initiative.** Julia Seay, Matthew Schabath, Merry-Jennifer Markham, Matthew Schlumbrecht, Luisa Duarte, Gwendolyn Quinn, Amanda Hicks
- 198. Modifiable risk factors impact neurodevelopmental outcomes of neonates undergoing surgical repair of congenital heart defects.** Nikita Patel, Suman Ghosh, Dalia Lopez-Colon, Desiree Machado, Michael Weiss, Mark Bleiweis, Joseph Philip
- 199. Prevalence of Staphylococcus aureus antibiotic resistance in subjects with atopic dermatitis and a control population at the University of Florida Department of Dermatology outpatient clinic.** Mary Bohannon, Lymaries Velez, Anna De Benedetto
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203. Medical student participation in a state physician health program: Perspectives from successful former participants in one state. Nicole Vesely, Lisa Merlo

204. Promoting Resilience in Medicine: The effects of a mind body elective to improve medical student wellness. Michelle Williams, Lisa Merlo

205. Baseline hypertension knowledge and blood pressure self-management skills of emergency department patients. Sean Patrick Bliven, Muhammad Abdul Baker Chowdhury, Meenakshi Balakrishnan, Donna Carden

206. A systematic review and meta-analysis of therapeutic agents to treat vasoplegia. Savannah Liddell, William Yang, Penelope Reynolds

207. Retrospective validation of the HEART pathway for acute coronary syndrome risk stratification: Are ECG and troponin necessary? Jeffrey Chapa, Jared Freitas, Liam Rawson, Emily Welch, Michael Marchick, Brandon Allen

208. An analysis of the intermediate HEART score population: Test or admit? Jared Freitas, Jeffrey Chapa, Liam Rawson, Emily Welch, Brandon Allen, Michael Marchick

209. Predictors of the need for endotracheal tube repositioning after rapid sequence intubation in the ED. Justin Hall, Jeremy Smith, Paul Campbell, Erin Suggs, Michael Marchick, Lars Beattie

210. Direct vs. video laryngoscopy: Examination of 1st attempt success rate as well as adverse outcomes following ED rapid sequence intubation. Jeremy Smith, Justin Hall, Erin Suggs, Paul Campbell, Michael Marchick, Lars Beattie

211. Using body mass index to predict number of attempts and post-intubation hypotension in rapid sequence intubation. Erin Suggs, Justin Hall, Paul Campbell, Jeremy Smith, Michael Marchick, Lars Beattie

212. Use of blood transfusions in pediatric cancer patients at the Hospital Infantil Robert Reid Cabral from July 2016 to July 2017. Ellery Altshuler, Michael Lauzardo

213. Role of patient perspective in prevention of low acuity emergency department visits. Julie Gibson, Lisa Chacko

214. MAPPING underserved populations in Alachua County. Joseph Guernsey, Lisa Chacko, Laura Guyer

- 215. Associations between pain modulation and hippocampal volumes in older adults with musculoskeletal pain.** Brandon Apagueno, Andres Gonzalez, Ronald Cohen, Yenisel Cruz-Almeida
- 216. Deficits in endogenous pain inhibition predict deficits in functional ambulatory performance during complex walking tasks in older adults with musculoskeletal pain.** Lorraine Hoyos, Joseph Riley III, Roger Fillingim, David Clark, Yenisel Cruz-Almeida
- 217. Non-verbal fluency deficits in older individuals with musculoskeletal pain.** Paige Lysne, Eric Porges, Adam Woods, Ronald Cohen, Yenisel Cruz-Almeida
- 218. Cerebellar white matter volume is associated with clinical and experimental pain in older individuals with musculoskeletal pain.** Rachna Sannegowda, Desiree Lussier, Natalie Ebner, Yenisel Cruz-Almeida
- 219. Part man, part machine: Left ventricular assist device patients' emergency department utilization.** Mohammad Al-Ani, Sarah Gul, Travis Murphy, Brandon Allen, Mustafa Ahmed
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- 222. Current cognitive impairment in a patient with a history of delirium: A preoperative dilemma.** Franchesca Arias, Alberto Bursian, Josh Sappenfield, Catherine Price
- 223. Association between peer norms and household access with nonmedical prescription opioid use among adolescents in south central Kentucky.** Kathleen Egan, Eric Gregory, Amy Elliott, Linda Cottler
- 224. Juvenile 'injustice': Racial/ethnic disparities in referral for assessment for substance abuse and addiction treatment services among Florida justice-involved children.** Amy Elliott, Micah Johnson, Linda Cottler
- 225. An intersectional approach to disparities in the juvenile justice system: White children are twice as likely as black girls to be referred for substance use disorder assessment.** Micah Johnson, Amy Elliott, Shawnta Lloyd, Linda Cottler
- 226. Sex differences in sources and routes of non-medical prescription opioid use in youth.** Vicki Osborne, Catherine Striley, Linda Cottler

227. Current use of alcohol and marijuana among people with anxiety, depression, both or neither. Ayodeji Otufowora, Yiyang Liu, Shivani Khan, Catherine Striley, Varma Deepthi, Linda Cottler

228. Prescription opioid use and at-risk drinking among middle aged and older women: Results from a cross-sectional study of community members. Mirsada Serdarevic, Kelly Gurka, Catherine Striley, Krishna Vaddiparti, Linda Cottler

229. Do individuals with gambling problems have different health problems than others? Findings from a diverse community sample. Nathan Smith, Shawnta Lloyd, Linda Cottler

230. Cannabis use increases cocaine dependence in female cocaine users but does not increase its progression speed. Yiyang Liu, Micah Johnson, Barry Setlow, Linda Cottler

231. Exploring the less common pathogens of infectious diarrhea. Steven Toffel, Lymaries Velez, Elizabeth Tremblay, Kairav Shah, Kenneth Rand, Jena Auerbach, Kathryn Potter, Stacy Beal

232. A five-year review of skin infections in hematopoietic stem cell transplant patients. Lymaries Velez, Steven Toffel, Elizabeth Tremblay, Kairav Shah, Jena Auerbach, Kenneth Rand, Kathryn Anne Potter, Stacy Beal

233. Clinical manifestations, management, and diagnostic techniques used in hematopoietic stem cell transplant patients with skin infections: A five-year review. Lymaries Velez, Steven Toffel, Elizabeth Tremblay, Kairav Shah, Jena Auerbach, Kenneth Rand, Kathryn Anne Potter, Stacy Beal

234. Improved predictive models for acute kidney injury with IDEAs: Intraoperative Data Embedded Analytics. Lasith Adhikari, Tezcan Ozrazgat-Baslanti, Paul Thottakkara, Ashkan Ebadi, Amir Motaei, Parisa Rashidi, Azra Bihorac

235. Machine learning on urinary gene expression to predict sepsis in patients. Sabyasachi Bandyopadhyay, Nicholas Lysak, Lasith Adhikari, Ashkan Ebadi, Tezcan Ozrazgat-Baslanti, Larysa Sautina, Maria-Cecilia Lopez, Henry Baker, Mark Segal, Parisa Rashidi, Azra Bihorac

236. Prevalence and risk factors of acute kidney injury in common urologic procedures. Shahab Bozorgmehri, Scott Gilbert, Robert Cook, Rebecca Beyth, Tezcan Ozrazgat-Baslanti, Azra Bihorac, Muna Canales

- 237. Renal recovery is a major determinant of chronic critical illness and long-term mortality.** Tezcan Ozrazgat-Baslanti, Quran Wu, Zhongkai Wang, Amir Motaei, Gabriela Ghita, Larysa Sautina, Mark Segal, Azra Bihorac
- 238. Association between nephrotoxic drugs and acute kidney injury in hospital patients.** Arsenios Tsokas, Farnaz Babaie, Tezcan Ozrazgat-Baslanti, Azra Bihorac, Panos Pardalos, Petar Momcilovic
- 239. Application of a standardized protocol for the treatment of pediatric asthma patients.** Elyse Chaviano, Denise McIntyre, Elizabeth LeFave, Bahareh Keith
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- 242. The 'UPfront Walking Study' design and methods: Combining tDCS and neurorehabilitation to treat age-related deficits of mobility and cognition.** Sudeshna Chatterjee, Adam Woods, Dorian Rose, Ronald Cohen, David Clark
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- 244. Barriers and strategies for specialty care access through federally qualified health centers: A scoping review.** Andrew Davis, Agatha Formoso, Yumiko Nakamura, Maude Laberge
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- 246. Deep learning approaches to perioperative ultrasound imaging.** Sarah Stern, Patrick Tighe
- 247. A comparison of prognostic scoring systems in pediatric open globe injuries.** Carleigh Bruce, Casey Beal
- 248. Ontology of cancer related social-ecological variables.** Dharani Balasubramanian, Jamillah Khan, Jiang Bian, Yi Guo, William Hogan, Amanda Hicks

249. Accumulation of mitochondrial DNA deletions accelerates age-related hearing loss in mice. Mi-Jung Kim, Suraiya Haroon, Karessa White, Dalian Ding, Hyo-Jin Park, Chul Han, Kevin Boyd, Isabela Caicedo, Kaitlyn Evans, Richard Salvi, Paul Linser, Marc Vermulst, Shinichi Someya

250. GSTA4 plays an essential role in reducing cisplatin-induced hearing loss in female mice. Hyo-Jin Park, Mi-Jung Kim, Karessa White, Chul Han, Maria Ticsa, Kevin Boyd, Isabela Caicedo, Aaron Gomez, Shinichi Someya

251. Vaccinations of patients with end-stage renal disease – Nephrology versus primary care. Samuel Phen, Amir Kazory, Tezcan Ozrazgat-Baslantı, Shahab Bozorgmehri, Maryam Sattari

252. Identifying the characteristics associated with Antiretroviral Therapy (ART) initiation among HIV positive cohorts eligible for ART in Haiti. Justin Kim, Shannan Rich, Chris Delcher

253. Interactions of coffee consumption and postmenopausal hormone use in relation to breast cancer risk in UK Biobank. Lusine Yaghjian, Shannan Rich, Liang Mao, Volker Mai, Kathleen Egan

254. Cancer screening practices and healthy behavioral choices of people living with HIV/AIDS are different by biological gender and years since HIV diagnosis. Akemi Wijayabahu, Zhi Zhou, Robert Cook, Babette Brumback, Nicole Whitehead, Lusine Yaghjian

255. Which comes first following musculoskeletal trauma, depression and anxiety symptoms or narcotic abuse? Sunny Gupta, Sharareh Sharififar, Laura Zdziarski-Horodyski, Terrie Vasilopoulos, Heather Vincent, MaryBeth Horodyski, Kalia Sadasivan, Jennifer Hagen

256. Pre-injury depression and anxiety in patients with orthopedic trauma and their treatment. Edward Haupt, Heather Vincent, Andrew Harris, Terrie Vasilopoulos, Robert Guenther, Sharareh Sharififar, Jennifer Hagen

257. Arthroscopic suture-anchor biceps tenodesis in the bicipital groove is a reduced morbidity method of tenodesis significant complication risk. Edward Haupt, Kevin Farmer, Kevin O'Keefe

258. PROMIS outcome measures and mental health in orthopaedic trauma patients during early recovery. Heather Vincent, Laura Zdziarski-Horodyski, Jennifer Hagen, Matthew Patrick, Kalia Sadasivan, Robert Guenther, Terrie Vasilopoulos, Sharareh Sharififar, MaryBeth Horodyski

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- 261. "THINK DELIRIUM": A multidisciplinary assessment, intervention, and educational program.** Milankumar Nathani, Bruce Bassi, Stephen Welch, Joseph Thornton, Michelle Rossi, Colleen Campbell, Kimberly Jones, Uma Suryadevara
- 262. Kidney stone composition and other predictors of stone growth: Possible considerations for surveillance in kidney stone formers.** Zhaoyi Chen, Victoria Bird, Vincent Bird, Mattia Prosperi
- 263. Validation of AAA patient reporting in national administrative and clinical outcomes databases.** Suniah Ayub, Salvatore Scali, Thomas Huber, Adam Beck, Javairiah Fatima, Scott Berceli, Gilbert Upchurch, Dean Arnaoutakis, Martin Back, Kristina Giles
- 264. What pediatric surgeons read: Utilization of APSA e-blast literature reviews.** Suniah Ayub, Saleem Islam, Cynthia Downard, Adam Goldin, David Powell, Janice Taylor
- 265. Collateral benefit of CenteringPregnancy: A retrospective chart review.** Autumn Prieto, Amelia Watson, Amie Goodin, Dikea Roussos-Ross
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- 267. Desmoplasia and detached papillae: Two unrecognized histologic features of esophageal adenocarcinoma.** Zhongbo Jin, Dongwei Zhang, Jinping Lai, Ashwin Akki, Ashwini Esnakula, Jesse Kresak, David Hernandez Gonzalo, Peter Draganov, Hao Xie, Xiuli Liu
- 268. Histologic patterns of anti-PD-1 therapy-induced liver injury.** Dongwei Zhang, Xianzhong Ding, Michael Feely, Lindsay Yassan, Lindsay Alpert, Consuelo Soldevila-Pico, John Hart, Xiuli Liu, Jinping Lai
- 269. Perineal carcinoma cuniculatum: Histology review of 38 cases.** Dongwei Zhang, Raul Gonzalez, Michael Feely, Hwajeong Lee, Kavita Umrau, Daniela Allende, Dipti Karamchandani, Michael Zaleski, Jingmei Lin, Maria Westerhoff, Xuchen Zhang, Lindsay Alpert, Jinping Lai, Xiuli Liu

270. Clinical outcome of perineal carcinoma cuniculatum in a cohort of 38 cases. Dongwei Zhang, Raul Gonzalez, Michael Feely, Kavita Umrau, Hwajeong Lee, Daniela Allende, Dipti Karamchandani, Michael Zaleski, Jingmei Lin, Maria Westerhoff, Xuchen Zhang, Lindsay Alpert, Jinping Lai, Xiuli Liu

271. Expanding measurement-based care to inpatient psychiatric facilities: Pilot study of PHQ-9 changes during depression treatment with and without ECT. Tessy Korah, Deborah Morrison, Dana Mason, Almut Winterstein, Maria Bolshakova, Megan McBride, Regina Bussing

272. Pre-transplant evaluation of patients with history of skin cancer: Survey among lung transplant specialists, and the outcomes from a single-center intervention. Olivia Chukwuma, Kathryn Potter, Satish Chandrashekar, Hassan Alnuaimat, Andres Pelaez, Tiago Machuca, Mauricio Pipkin, Amir Emtiazjoo, Maria Isabel Longo

273. Skin cancer awareness in solid organ transplant recipients: Patient survey study. Kathryn Anne Potter, Navid Farahbakhsh, Maria Isabel Longo

274. Predictors of graft function in patients undergoing autologous stem cell transplant – A review of the last 20-years at UF Health. Forat Lutfi, W. Paul Skelton, Yu Wang, Fei Zou, Emma Rosenau, Noshah Farhadfar, Hemant Murthy, W. Stratford May, John Hiemenz, Christopher Cogle, Randy Brown, Sarah Wheeler, John Wingard, Maxim Norkin

275. Clinical evaluation of synovial alpha defensin and synovial C-reactive protein in the diagnosis of prosthetic joint infection. W. Zachary Stone, Chancellor Gray, Hari Parvataneni, Richard Vlasak, MaryBeth Horodyski, Hernan Prieto

276. Evaluation of alpha defensin test following staged treatment of prosthetic joint infection. W. Zachary Stone, Edward Haupt, Chancellor Gray, Hari Parvataneni, Hernan Prieto

277. Analysis of outcomes in adolescents and young adults with pilonidal disease. Mackenzie Abraham, Steven Raymond, Atif Iqbal, Shawn Larson, Moiz Mustafa, Sanda Tan, Janice Taylor, Saleem Islam

278. Predictive value of ultrasonography in diagnosis of appendicitis in children. Jordan McKean, Suniah Ayub, Anna West, Dhanashere Rajdhekar, Shawn Larson, Janice Taylor, Moiz Mustafa, Saleem Islam

279. Effectiveness of 3D modeling in the decision-making process prior to heart surgery. Frank Han, Karl Reyes, Dalia Lopez-Colon, John Forder, Mark Bleiweis, Curt DeGroff, Arun Chandran

- 280. Single center experience with CT diagnosis of pulmonary embolus in Fontan patients.** Ryan Boggs, Tavenner Dibert, Dalia Lopez-Colon, Nancy Quinn, Jennifer Co-Vu, Arun Chandran
- 281. To like or not to like? How families use social media and the internet to learn about their child's congenital heart disease.** Ryan Boggs, Natalie Weiner, Dalia Lopez-Colon, Jennifer Co-Vu
- 282. A case of markedly atypical pulmonary venous drainage in hypoplastic left heart syndrome.** Tavenner Dibert, Frank Han, Arun Chandran, Giri Venkata, Jennifer Co-Vu
- 283. To the hospital and back: Improving transitions of care and reducing readmissions in a general internal medicine clinic.** Brandon Herndon, Ryan Nall
- 284. The role of student-run free clinics and LGBTQ health education based on a needs assessment of LGBTQ health disparities in North Central Florida.** Erika Wert, Ryan Nall
- 285. Recruitment and retention of pregnant and breastfeeding mothers for longitudinal clinical microbiome studies.** Dominick Lemas, Huan Chen, Elizabeth Flood-Grady, O'nesia Olivia Carney, Josef Neu, Janice Krieger, Elizabeth Shenkman
- 286. Characterization of adult obesity in Florida using the OneFlorida Clinical Research Consortium.** Stephanie Filipp, Michelle Cardel, Jaclyn Hall, Rebecca Essner, Dominick Lemas, David Janicke, Steven Smith, Joseph Nadglowski, Troy Donahoo, Rhonda Cooper-DeHoff, David Nelson, William Hogan, Elizabeth Shenkman, Matthew Gurka
- 287. Does gender of the donor and recipient influence survival after lung transplantation?** Satish Chandrashekar, Austin Gregg, Lazarus Mramba, Amir Emtiazjoo, Hassan Alnuaimat, Sravanthi Nandavaram, Vanessa Scheuble, Mauricio Pipkin, Andres Pelaez, Tiago Machuca
- 288. Improving patient education at discharge through comics.** Giuliano De Portu, Colleen Cowdery
- 289. Effects of a multimodal pain control regimen in living donor laparoscopic nephrectomies.** Elizabeth Thomas, Joelle Nelson, Eduardo Diaz, Mark Johnson, Kenneth Andreoni, Naren Battula, Ali Zarrinpar
- 290. Assessing LGBT competency among cancer care providers at the University of Florida/UF Health Cancer Center.** Brian Ramnaraigh, Merry-Jennifer Markham

291. Acromioclavicular joint injuries: What are we measuring?

Christian Reintgen, Erik Gerlach, Kelly Mamelson, Brad Schoch, Joseph King

292. GRACE Marketplace/ Dignity Village Grace grows farm-to-table garden project study: Self-reported negative health outcomes within the homeless population.

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293. Identifying variably methylated regions (VMRs) associated with Alzheimer's disease: A genome-wide DNA methylation study in postmortem brains.

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294. Childhood trauma, metabolites, and major depression: Findings from a monozygotic discordant twin study.

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295. Does having prior rotator cuff surgery affect outcomes in reverse shoulder arthroplasty?

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296. Prevalence and outcomes of secondary glaucoma in HSV/HZV compared to primary open-angle glaucoma.

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297. Comparison of hemodialysis arteriovenous fistula blood flow rates measured by Doppler ultrasound and phase-contrast magnetic resonance imaging.

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298. Distinct lipid mediator profile associated with arteriovenous fistula maturation.

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299. Flow and pressure boundary condition estimation toolbox for TEVAR patients.

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300. Metabalomic signatures and nitric oxide pathway perturbations of end stage renal disease patients.

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301. Shift from contractile to synthetic vascular smooth muscle phenotype is associated with greater intimal hyperplasia following AVF creation.

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- 302. Neurophysiological changes impacting hand function after arteriovenous hemodialysis fistula placement.** Kyle Staton, Scott Berceli, Paul Kubilis, Sarah Barbey, Alexis Hall, Thomas Huber, Salvatore Scali
- 303. The latest prevalence of kidney stones in the US and its trends in different genders: The National Health and Nutrition Evaluation Survey NHANES 2013-2014.** Zhaoyi Chen, Mattia Prosperi, Victoria Bird
- 304. Optimization of calcium oxalate monohydrate crystallization for the modeling of kidney stones.** Nicole Bohmann, Stephen Arce, Victoria Bird
- 305. Achieving stone free status following ureteroscopy using a dissolution agent.** Michele Dill, Rachel DeNapoli, Steven Arce, Victoria Bird
- 306. Exploring dimensionally accurate 3-D urinary tract model for testing ureteroscopic procedures.** Nicholas Gregory, Stephen Arce, Victoria Bird
- 307. Thermodynamics of kidney stone dissolution agents and toxicity profile on transitional epithelial cells.** Noa Grooms
- 308. Update on prostate cancer immunotherapy: Review of the literature of PROSTVAC phase II and III clinical trials.** Hasan Jhaveri, Victoria Bird
- 309. Risk factors associated with benign prostate hyperplasia: Hydronephrosis and acute kidney injury.** Ryan Joseph, Victoria Bird
- 310. Bone mineral density in kidney stone patients with inflammatory bowel disease: Informatics for integrating biology and the bedside database at the University of Florida.** Elizabeth Kwenda, Victoria Bird, Abdel Alli, Vincent Bird, Michael Stephen, Sara Glover
- 311. Comparison of the prevalence of kidney stones among insulin-dependent and non-insulin-dependent diabetic populations: National Health and Nutrition Examination Survey (NHANES) 2007-2014.** Olivia Liseth, Rupam Ruchi, Victoria Bird
- 312. A health and nutrition intake questionnaire for the calcium oxalate stone former based on the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA).** Tanya Pereira, Victoria Bird
- 313. Durability testing for colorimetric pH diagnostic device for urease producing bacteria within an enclosed catheter system.** Jordynn Tyndall, Victoria Bird

- 314. Prostate cancer risk reduction associated with decreasing BMI during the 4-5th decade of age.** Kai Wang, Xhinguang Chen, Mattia Prosperi, Travis Gerke, Victoria Bird
- 315. Assessment of acute kidney injury risk in patients undergoing PCNL.** Nitin Sharma, Shahab Bozorgmehri, Tezcan Ozrazgat-Baslantı, Amir Motaei, Brandon Otto, Azra Bihorac, Vincent Bird
- 316. Clinical and metabolic characterization of uric acid stone formers: Are medical strategies effective?** Nitin Sharma, Shahab Bozorgmehri, Vincent Bird
- 317. Outcomes in patients with known contrast allergy undergoing contrast-enhanced endourological procedures.** Paula Domino, Lawrence Caruso, Susan Ford, Justin Dersch, Nitin Sharma, Vincent Bird
- 318. Text4Fit: Development of a healthcare text messaging program to improve medication adherence in overweight and obese adolescents recruited from three diverse clinical settings.** Serena Martin, Rebeccah Mercado, Kristin Dayton, Dipankar Gupta, Lindsay Thompson
- 319. A better chance at a healthy start: Optimizing an existing prenatal risk screener for improved prediction of adverse birth outcomes.** Diana Montoya-Williams, Melissa Bright, Silvio Martinez, Rebeccah Mercado, Scott Lorch, Lindsay Thompson
- 320. The effects of anxiety and depression in emergency department patients.** Alexander Zirulnik, Blaire Banfield, Emmett Martin, Matthew Ryan
- 321. Creativity declines with advancing stage of medical education: Can creativity be taught?** Timothy Stoddard, Adam Katz
- 322. An essential role of the iron-sulfur cluster assembly enzyme isu-1 in the aging and stress responses of *Caenorhabditis elegans*.** Yi Sheng, Kaitlyn Casey, Rui Xiao
- 323. Preliminary findings: Evaluating the neurophysiological benefits and self-assessment of positive affect training in individuals with chronic knee pain.** Harold Rocha, Jeffrey Schmidt, John Marks, Adam Woods, Roland Staud, Roger Fillingim, Andreas Keil, Kimberly Sibille
- 324. Teaching translational research to high school students.** Julie Bray, Margaret Fettis, Andrea Lin, Gabriel Fernandez-Bueno, Julie Bokor, Mary Jo Koroly

325. The HEART score does not perform well as a predictive tool for major adverse cardiac events in patients with renal dysfunction.

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326. Disparities in ED recidivism rates by demographics in evaluation of low-risk chest pain patients.

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327. β 1-adrenoceptor polymorphisms associated with post-operative arrhythmias in children after congenital cardiac surgery.

Leanne Dumeny, Marut Chandra, Taimour Langae, Benjamin Duong, Daniel Zambrano, Frank Han, James Humma, Jonathan Dacosta, Tommie Lovato, Connie Mei, Julie Johnson, Mark Bleiweis, Larisa Cavallari

328. SoftCast in the early management of clubfoot – A single institution's experience.

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329. Surveying the POSNA landscape – What can we learn from society survey studies?

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330. Buckling down on torus fractures – Assessing provider preferences, barriers and influential factors.

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331. An unaccounted workload factor: Pitch counts in high school baseball pitchers – an observational study.

Jason Zaremski, Giorgio Zeppieri Jr, Deborah Jones, Brady Tripp, Keegan Hones, Lauren Mills, Mariana Franz, Jonah Stein, Kim Novak, Erin Sperling, Michelle Bruner, Heather Vincent, MaryBeth Horodyski

332. Is school report card distribution a marker for physical abuse timing?

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333. Bad grades may cost children more than just a decreased GPA: A retrospective review of calls to the Department of Children and Families hotline and time series analysis.

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334. Aggressive sexual behavior in sexually abused and sexually trafficked adolescents.

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335. Improving hepatitis C virus screening rates in internal medicine clinic.

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- 336. Provider reminders: An effective tool for improving preventive care.** Bhavana Pottabattula, Lazarus Mramba, Vanessa Garcia, Maryam Sattari
- 337. Brief reactive psychosis and mania induced by epidural steroid injection in an elderly female.** Daniel Pietras, Tessy Korah
- 338. Contraception options counseling assessment for bias from healthcare workers on community patients.** Diana Halloran, Sarah O'Conner
- 339. Considerations for scoring the Clock Drawing Test for impairment of geriatric patients in the perioperative setting: A comparison of three common scoring criteria.** Kristen Woodward, Mitchell Zhang, Bailey Frei, Shawna Amini, Patrick Tighe, Christopher Giordano, Catherine Price
- 340. Methylene blue as a potential therapeutic agent in decompensated hemorrhagic shock.** Cory Jackson, Christopher Giordano
- 341. Extensions to reality: A systematic review of head-mounted and vibrotactile displays in anesthesia.** Chase Lewellen
- 342. High fractional inspired oxygen, friend or foe?** Ralph Michel, Albert Robinson, Christopher Giordano
- 343. The practice of handling non-sterile items using a sterile towel compromises the operative field.** Abigail Schirmer, Courtney Swan, Monika Oli, Steven Hughes, Terrie Vasilopoulos, Sana Chaudhry, Nikolaus Gravenstein, Christopher Giordano
- 344. Renal graft preservation: Preliminary studies on tissue oxygenation.** Stephen Tapia-Ruano, Jiepei Zhu, Christopher Giordano, Kenneth Andreoni, Bruce Spiess, J. Travis Parsons
- 345. Safety and feasibility of memantine administration during partial hospitalization treatment for alcohol use disorder.** William Greene, Lisa Merlo, Ben Lewis, Sara Jo Nixon
- 346. Geographic variation of out-of-hospital cardiac arrest outcomes exist in Alachua County, FL.** Scott Cohen, Sarah Gul, Torben Becker, Karl Huesgen, Joseph Tyndall
- 347. Prognostic utility of biomarkers of neuroinjury in post out-of-hospital cardiac arrest patients.** Sarah Gul, Karl Huesgen, Kevin Wang, Joseph Tyndall
- 348. Prognostic value of serum lactate in OHCA patients presenting to the emergency department.** Sarah Gul, Scott Cohen, Matt Drabin, Joseph Tyndall, Karl Huesgen

349. Understanding adverse birth outcomes in Florida through maternal risk factors and geographic distribution. Roland Estrella, Chris Delcher, Magda Francois, Matt Gurka, Jiawei Li, Cara McDonnell, Diana Montoya-Williams, Meredith Mowitz, Sachita Shrestha, Mildred Maldonado-Molina

350. Florida Early Care and Education Needs Assessment (ECENA) data portal and Childcare Access Index (CCAI). Roland Estrella, Lindsey Varner, Li Jiawei, Magda Francois, Cara McDonnell, Sachita Shrestha, Lisa Langley, Abby Thorman, Herman Knopf, Greg Allerellie, Mildred Maldonado-Molina

351. Impact of sex and ethnicity on underuse of cardiovascular stress testing in the outpatient setting. Anthony Barrios, Dhruv Mahtta, David Winchester

352. Evidence-based nutritional and pharmacological interventions targeting chronic low-grade inflammation in middle-aged and older adults: A systematic review and meta-analysis. Carlo Custodero, Robert Mankowski, Stephanie Lee, Todd Manini, Marco Pahor, Stephen Anton

353. Vitamin D supplementation is associated with a reduction in self-reported falls among older adults – D-SAFE Feasibility Study. Madison Goetze, Robert Mankowski, Christiaan Leeuwenburgh, Marco Pahor, Stephen Anton

354. Flipping the metabolic switch: Understanding and applying the health benefits of fasting. Stephanie Lee, Keelin Moehl, William Donahoo, Krisztina Marosi, Arch Mainous III, Christiaan Leeuwenburgh, Mark Mattson, Stephen Anton

355. Effects of a dietary restriction and exercise program on central adiposity in older women with obesity. Luria Melo de Lima Scher, Christy Karabetian, Todd Manini, Donovan Lott, Michael Perri, Stephen Anton

356. Blistering distal dactylitis due to *Staphylococcus aureus* in an immunocompetent elderly woman. Colin Hinkamp, Nikhil Shah, Ashleigh Wright

357. Effects of a system-wide application of comprehensive pre-dialysis education program on home dialysis therapies. Colin Hinkamp, Emma Segal, Teri Martinez, Michelle Thomas, Shahab Bozorgmehri, Tezcan Ozrazgat-Baslanti, Ashutosh Shukla

358. The impact of a pre-health program on underrepresented and disadvantaged high school students. Xiomara Brioso, Sachoya McDonald, Ciara Styles, Annalese Williams, Donna Parker

359. Early post-operative pain scores correlate with long-term functional outcomes after total shoulder arthroplasty. Benjamin Judkins, Braden Jones, Thomas Wright

360. Utility of amniotic fluid analysis in patients suspected of acute chorioamnionitis. Elif Gultekin Elbir, Joaquin Santolaya, Robert Egerman, Mehmet Genc

361. Breastfeeding in a baby friendly hospital: Preliminary findings. Agatha Formoso, Gigi Lipori, Lisa Spiryda

362. Epidemiology of hepatitis C in pregnancy in central Florida. Katelin McDilda, Erin Walker, Lisa Spiryda

363. Community women and contraception: Enhancing reproductive care in a low-resource, student-run free clinic network. Sarah O'Connor, Katelyn Carty, Dinia Salmeron, Morgan Andreoni, Jazmine Quintana, Lisa Spiryda

364. Investigating lupus psychosis versus late onset schizophrenia. PhuongTam Nguyen, Jonathan Browning, Laura Rodriguez-Roman

365. Treatment of infected carotid patch using femoral vein. Vincent Federico, Javairiah Fatima, Salvatore Scali, Robert Feezor, Scott Berceli, Kristina Giles, Thomas Huber

366. Association between dynapenia and subsequent serious fall injuries in older adults. Anoop Balachandran, Boya Lin, Todd Manini

367. Hearing sensitivity is associated with metabolic efficiency in older adults. Kevin Boyd, Scott Griffiths, Shinichi Someya, Todd Manini

368. Activity-related pain and metabolic cost during daily tasks in younger, middle, and older adults. Duane Corbett, Amal Wanigatunga, Nick Wawrzyniak, Eileen Handberg, Vincenzo Valiani, Christopher Janelle, Todd Manini

369. Assessment of physical activity intensity using wrist accelerometer data. Matin Kheirkhahan, Amal Wanigatunga, Duane Corbett, Vincenzo Valiani, Sanjay Ranka, Todd Manini

370. Variability of cerebral blood flow and heart rate is associated with fatigue ratings in individuals with chronic fatigue syndrome. Jeff Boissoneault, Janelle Letzen, Michael Robinson, Roland Staud

371. Functional spinal correlates of temporal summation of second pain in individuals with fibromyalgia. Jeff Boissoneault, Song Lai, Patrick Stroman, Michael Robinson, Isabella Fabian, Roland Staud

372. Proximal tibial resorption in a modern total knee prosthesis. Justin Deen, Terry Clay, Dane Iams, MaryBeth Horodyski, Hari Parvataneni

373. Improvement of esophageal dysmotility with Transcutaneous Electrical Stimulation (TES) in lung transplant patients. Manuel Amaris, Tiago Machuca, Mauricio Pipkin, Sravanthi Nandavaram, Salim Daouk, Satish Chandrashekar, Amir Emtiazjoo, Christina Eagan, Hassan Alnuaimat, Andres Pelaez

374. Clinical outcomes of children with sickle cell disease hospitalized for fever. Michael Massari, Vandy Black

375. Do Asian and Hispanic American women differ in their risk of depression? Findings from a longitudinal analysis of the Study of Women's Health Across the Nation (SWAN) data. Bin Yu, Xinguang Chen

376. Barriers to referral for spinal cord stimulator implementation. Joseph LaGrew, Rishi Agarwal, Terrie Vasilopoulos, Stephen Lucas, Rene Przkora, Ajay Antony

377. When millimeters count: Demonstrating an optimal epidural loss of resistance technique through simulation to potentially prevent accidental dural puncture in clinical practice. Anthony Cometa, Terrie Vasilopoulos, Anthony DeStephens, Dave Lizdas, Samsun Lampotang, Nikolaus Gravenstein, Brandon Lopez

378. Activity and circadian rhythm of sepsis patients in the intensive care unit. Anis Davoudi, Duane Corbett, Tezcan Ozrazgat-Baslanti, Azra Bihorac, Scott Brakenridge, Todd Manini, Parisa Rashidi

379. Biomechanical comparison of three fixation techniques for scapular spine fractures. Zohair Zaidi, Cong Chen, Matthew Patrick

380. Emergency department utilization in a family medicine patient population. Stacey Kirkpatrick, Denny Fe Garcia, Kim Lynch, Peter Carek

381. Trabeculectomy is more likely to lower intraocular pressure than glaucoma drainage devices in patients with glaucoma. Mary Wilson, Alissa Meyer, Aaron Webel, Nicole Rosenberg, Cooper Rodgers, Mark Sherwood

382. The effect of chronic critical illness on long-term survival and physical function among early survivors of sepsis. Anna Gardner, Scott Brakenridge, Gabriela Ghita, Zhongkai Wang, Tezcan Ozrazgat-Baslanti, Stephen Raymond, Robert Mankowski, Babette Brumback, Philip Efron, Azra Bihorac, Frederick Moore, Stephen Anton

383. Trends in the surgical management of ectopic pregnancy with the addition of MIS faculty. Sarah Baker, Sarah Hergert, Jonathan Shuster, Matthew Robinson, Nash Moawad

384. Long term outcomes of laparoscopic excision of endometriosis. Martin Laguerre, Brittany Arkerson, Matthew Robinson, Nash Moawad

385. The normalized constant score strongly correlates with patient-reported outcome measures following primary shoulder arthroplasty. Martin Laguerre, Brendan Williams, Rowan Michael, Aimee Struk, Brad Schoch, Thomas Wright, Joseph King

386. Correlation of multiple patient reported outcome measures across follow-up in patients undergoing primary shoulder arthroplasty. Rowan Michael, Brendan Williams, Martin Laguerre, Aimee Struk, Brad Schoch, Thomas Wright, Joseph King

387. What they want – Caregiver immobilization preferences for pediatric buckle fractures. Brendan Williams, Noel Palumbo, Sarah Phillips, Robert Matthias, Sarah Molinari, Laurel Blakemore

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389. Tagging RNA-binding proteins in synapses using a promiscuous biotin ligase (BirA). Ryan Hildebrandt, Katie Moss, Lance Denes, Gary Bassell, Eric Wang

390. Investigating the molecular basis of sleep dysregulation in Myotonic Dystrophy. Belinda Pinto, Fangke Xu, Ona McConnell, Ravi Allada, Eric Wang

391. Brain arterial dilatation and lysosomal storage dysfunction. Harsh Shah, Roy Alcalay, Jose Gutierrez

392. Behavioral and biochemical characterization of C9orf72 knockout mice as a model of dystonia. Fangfang Jiang, Yuning Liu, Fumiaki Yokoi, Yuqing Li

393. Selective ablation of dopamine receptor 2 on striatal cholinergic interneuron in mice leads to motor deficits similar to other dystonia mouse models. Yuning Liu, Fumiaki Yokoi, Yuqing Li

394. Abnormal firing of Purkinje cells contributes to the pathogenesis of dystonia. Yuning Liu, Hong Xing, Fumiaki Yokoi, Huanxin Chen, Steven Roper, Yuqing Li

- 395. Diurnal variation of the dopaminergic system in mu opioid receptor knockout mice as a potential pathophysiological mechanism of restless legs syndrome.** Shangru Lyu, Fangfang Jiang, Yuqing Li
- 396. Brain slice electrophysiological recording of C9orf72 knockout mice revealed altered firing patterns of striatal cholinergic interneurons and cerebellar Purkinje cells.** Hong Xing, Yuning Liu, Steven Roper, Yuqing Li
- 397. Improved survival and overt “dystonic” symptoms in a torsinA hypofunction mouse model.** Fumiaki Yokoi, Fangfang Jiang, Kelly Dexter, Bryan Salvato, Yuqing Li
- 398. Characterization of Meis1 knockout mice as a genetic model of insomnia.** Peng Zhao, Shangru Lyu, Fangfang Jiang, Bryan Salvato, Mark DeAndrade, Yuqing Li
- 399. Myotonic dystrophy type 2 patients show elevated CNBP antisense transcript levels.** John Cleary, Jodi Bubenik, Tao Zu, Yuanjing Liu, Monica Bañez-Coronel, Guangbin Xia, Tetsuo Ashizawa, Maurice Swanson, Laura Ranum
- 400. A cell model system to study the molecular mechanism of repeat associated non-ATG translation in myotonic dystrophy type 2.** Solaleh Khoramian Tusi, Tao Zu, John Cleary, Laura Ranum
- 401. Identification of novel spectrin, beta, non-erythrocytic 2 (SPTBN2) variants in a large cohort of ataxia patients.** Katsuya Nakamura, Tyisha Hathorn, Karen Armbrust, Damaris Lorenzo, John Cleary, Tammy Reid, Izabela Karbassi, Sat Batish, Joseph Higgins, David Ostrov, Eleonora Gregorio, Olga Calabrese, Alfredo Brusco, Christopher Gomez, Rebekah Jobling, Grace Yoon, S.H. Subramony, Tetsuo Ashizawa, Laura Ranum
- 402. Immunotherapy development for C9orf72 ALS/FTD using a BAC transgenic mouse model and human antibodies targeting RAN proteins.** Lien Nguyen, Fabio Montrasio, Amrutha Pattamatta, Nicole Cavegn, Katsuya Nakamura, Olgert Bhardi, Megan Laughrey, Tao Zu, Jan Grimm, Laura Ranum
- 403. Molecular mechanisms in C9orf72 ALS/FTD using the BAC transgenic mouse model with behavioral, neuropathological and molecular features of disease.** Amrutha Pattamatta, Lien Nguyen, Hailey Olafson, Yuanjing Liu, Marina Scotti, Tammy Reid, Tao Zu, Jared Richardson, Andy Berglund, Eric Wang, Laura Ranum
- 404. Molecular characterization of RNA and RAN protein effects in DM2.** Kiruphakaran Thangaraju, John Cleary, Laura Ranum

405. RAN translation regulated by muscleblind proteins in myotonic dystrophy type 2. Tao Zu, John Cleary, Yuanjing Liu, Monica Bañez-Coronel, Jodi Bubenik, Fatma Ayhan, Tetsuo Ashizawa, Guangbin Xia, Brent Clark, Anthony Yachnis, Maurice Swanson, Laura Ranum

406. Does background strain affect pathogenesis in a mouse model of tauopathy? Johnathan Azar, Matthew Hamm, Jada Lewis

407. Wild-type and ALS linked mutant Matrin 3 cause striking muscle pathology in transgenic mice. Mariela Cabrera, Christina Moloney, Sruit Rayaprolu, David Borchelt, Jada Lewis

408. IL-10 expression leads to early mortality without affecting dopaminergic neurons in a mouse model of alpha synucleinopathy. Samuel Cockey, Emily Koller, Mieu Brooks, Todd Golde, Benoit Giasson, Paramita Chakrabarty

409. Developing mouse model of tauopathy using AAV-mediated somatic brain transgenesis. Emily Koller, Elsa Gonzalez De La Cruz, Kathrine Gaines, Kevin Strang, Daniel Ryu, Xuefei Liu, Cara Riffe, Todd Golde, Benoit Giasson, Paramita Chakrabarty

410. Understanding brain alterations following inflammatory challenge. Kristen Ibañez, Luis Colon-Perez, Edward Ofori, David Vaillancourt, Todd Golde, Marcelo Febo, Paramita Chakrabarty

411. Screening for Alzheimer's disease therapies using novel cultured brain slice models. Cara Croft, Brittany Woody, Kaitlyn Rewis, Pedro Cruz, Kevin Strang, Daniel Ryu, Benoit Giasson, Todd Golde

412. Can we cure stress with an antibody? Hunter Futch, Zino Kuhn, Yona Levites, Brenda Moore, Christopher Janus, Todd Golde

413. Brain slice culture models of CNS targeted gene expression. Kaitlyn Rewis, Cara Croft, Pedro Cruz, Todd Golde

414. Connectivity changes after cognitive training in young and aged rats. Luis Colon-Perez, Sean Turner, Katelyn Lubke, Sara Burke, Marcelo Febo

415. Synergistic effect of β -amyloid and interleukin-6 (IL6) on resting state functional network connectivity in the TgCRND8 mouse. Marcelo Febo, Luis Colon-Perez, Edward Ofori, Kristen Ibañez, David Vaillancourt, Todd Golde, Paramita Chakrabarty

- 416. Prominent increases in cortical and hippocampal intracellular (neurite density) and isotropic (free water) volume fractions in aged CRND8 mice expressing high plaque load and interleukin-6.** Luis Colon-Perez, Edward Ofori, Kristen Ibañez, David Vaillancourt, Todd Golde, Paramita Chakrabarty, Marcelo Febo
- 417. Selective attention controls odor-guided decisions and information processing in the ventral striatum.** Kaitlin Carlson, Marie Gadziola, Emma Dauster, Daniel Wesson
- 418. Piriform cortex association fiber input modulates odor coding in the olfactory tubercle.** Kate White, Daniel Wesson
- 419. Activation without agonist by allosteric modulators of nicotinic alpha7 receptors.** Marta Quadri, Clare Stokes, Ganesh Thakur, Nicole Horenstein, Roger Papke
- 420. Validating small molecule therapies in a Krabbe Disease cell model.** Vivian Godoy, Gustavo Maegawa
- 421. Effects of psychosine-reducing agents in the Twitcher murine model for Krabbe disease.** Asaka Katabuchi, Vivian Godoy, Priya Shil, Gustavo Maegawa
- 422. Generation of neurologically relevant disease-cell models to study lysosomal storage diseases.** Asaka Katabuchi, Katherine Santostefano, Naohiro Terada, Gustavo Maegawa
- 423. Optogenetic control of gene expression in ex vivo cultures.** Lorena De Mena, Patrick Rizk, Claudia Cruz, Paola Trejo, Jennifer Nedimyer, Diego Rincon-Limas
- 424. Development of a light-dependent FLP recombinase for controlling gene expression ex vivo.** Claudia Cruz, Paola Trejo, Patrick Rizk, Jennifer Nedimyer, Lorena De Mena, Diego Rincon-Limas
- 425. Regulation of the UAS/Gal4 system by a photo-activable Gal80 repressor.** Paola Trejo, Claudia Cruz, Patrick Rizk, Jennifer Nedimyer, Lorena De Mena, Diego Rincon-Limas
- 426. The effects of a ketogenic diet on cognitive and physical health of aged rats.** Keila Campos, Abbi Hernandez, Leah Truckenbrod, Caesar Hernandez, Yasemin Sakarya, Joseph McQuail, Christy Carter, Jennifer Bizon, Andrew Maurer, Sara Burke
- 427. Lateral entorhinal cortex inactivation does not inhibit object-place associative memory.** Leah Truckenbrod, Abbi Hernandez, Sara Burke

- 428. Morphological constancy of olfactory sensory neuron cilia in rodents.** Dana Shively, Cedric Uyttingco, Kirill Ukhonov, Jeffrey Martens
- 429. INPP5E controls ciliary localization of phospholipids and odor response kinetics in a mouse model of Joubert/MORM syndrome.** Kirill Ukhonov, Warren Green, Cedric Uyttingco, Lian Zhang, Jeffrey Martens
- 430. Coupling of spontaneous intra-ciliary Ca^{2+} domain dynamics and ciliary intraflagellar transport in olfactory sensory neurons.** Cedric Uyttingco, Kirill Ukhonov, Lian Zhang, Jeffrey Martens
- 431. A role for F-actin in olfactory sensory neuron cilia disassembly and shortening.** Chao Xie, Cedric Uyttingco, Lian Zhang, Jeffrey Martens
- 432. Electrophysiological, electrochemical, and histological analysis of a tissue-engineered electrical nerve interface (TEENI).** Eric Atkinson, Alexis Brake, Annie Gormaley, Min Yusufali, Elizabeth Nunamaker, James Graham, Ben Spearman, Sahba Mobini, Cary Kuliasha, Abbas Furniturewalla, Paritosh Rustogi, Christine Schmidt, Jack Judy, Kevin Otto
- 433. Pancreatic neuromodulation for the control of blood glucose.** Elliott Dirr, Yogi Patel, Francisco Delgado, Kevin Otto
- 434. Poly(3,4-ethylenedioxythiophene) (PEDOT) for peripheral nerve interfaces.** Jamie Murbach, Yuxin Tong, Vivek Subramanian, Shrirang Chhatre, Blake Johnson, David Martin, Kevin Otto
- 435. Nicotine exacerbates ischemic brain damage via inflammasomes in female rats.** Nathan d'Adesky, Juan Pablo de Rivero Vaccari, Pallab Bhattacharya, Marc Schatz, Miguel Perez-Pinzon, Helen Bramlett, Ami Raval
- 436. Paliperidone-associated tardive tourettism.** Irene Malaty, Bhavana Patel
- 437. Rab8a expression mitigates alpha-synuclein toxicity in a rat model of Parkinsonism.** Nikolaus McFarland, Mayur Parmar, Hyo-Jin Park, Lyndsey Powell, Rachael Foels, Sophia Anagnostis, Mandy Herring
- 438. Testing the effect of retention in endoplasmic reticulum (RER1) on synucleinopathy in a mouse model of Parkinsonism.** Mayur Parmar, Daniel Ryu, Hyo-Jin Park, James Joseph, Rachel Foel, Sophia Anagnostis, Karen McFarland, Nikolaus McFarland
- 439. Testing the effect of protein kinase inhibitors on traumatic brain injury-relevant cell-based model of tau hyperphosphorylation.** Hamad Yadikar, Isabel Torres, Richard Yost, Kevin Wang

440. Combination therapies for Duchenne muscular dystrophy. David Hammers, Cora Coker, Michael Matheny, Zac Wakefield, Hansol Kang, H. Lee Sweeney

441. Myosin X drives filopodia of mammalian myoblasts to promote cell fusion. David Hammers, Cora Coker, Michael Matheny, Melissa Merscham-Banda, Zac Wakefield, Hansol Kang, John Hammer, Richard Cheney, H. Lee Sweeney

442. Potential ERP biomarkers of hoarding disorder. Christian Archer, Jessica Zakrzewski, Carol Mathews

443. The Relationship between comorbidity, social, and functional impairment in hoarding disorder. Christian Archer, Kyara Moran, Karen Garza, Jessica Zakrzewski, Anna Martin, Soo Uhm, Janice Tsoh, R. Scott Mackin, Michael Gause, Joanne Chan, John Franklin, Monika Eckfield, Mark Salazar, Ofilio Vigil, David Bain, Sandra Stark, Eduardo Vega, Kevin Delucchi, Chia-Ying Chou, Carol Mathews

444. Using online games to understand executive function in obsessive-compulsive and related disorders. Karen Garza, Maria Bolanos, Ran Zhou, Anna Martin, Christian Archer, Carol Mathews

445. Neuropsychological functioning in adolescents with obsessive compulsive disorder and/or Tourette syndrome. Anna Martin, Kyara Moran, Karen Garza, Jessica Zakrzewski, Carol Mathews

446. Effect of treatment on neurocognitive function in a treatment seeking sample of individuals with hoarding disorder. Jessica Zakrzewski, R. Scott Mackin, Chia-Ying Chou, Soo Uhm, L. David Bain, Sandra Stark, Michael Gause, Ofilio Vigil, John Franklin, Mark Salazar, Julian Plumadore, Lauren Smith, Kiya Komaiko, Gillian Howell, Eduardo Vega, Joanne Chan, Monika Eckfield, Janice Tsoh, Kevin Delucchi, Carol Mathews

447. Cerebral aneurysm healing: MCP-1-IL-6-OPN pathway. Koji Hosaka, Kelley Rojas, Hanain Fazal, Matheus Schneider, Jorma Shores, Vincent Federico, Matthew McCord, Li Lin, Brian Hoh

448. Local action of monocyte chemoattractant protein-1 and osteopontin in murine aneurysm healing. Kartik Motwani, Daisuke Wajima, Siham Hourani, Hanain Fazal, Koji Hosaka, Brian Hoh

449. Food consumption is not required for mice to acquire socially-transmitted odor preferences via stimulation of GC-D-expressing olfactory sensory neurons. Arthur Zimmerman, Dimitri Salzman, Steven Munger

450. Functionalized intrabodies as novel therapeutics for Alzheimer's Disease and other tauopathies. Marshall Goodwin, Ramaapada Medam, Ziqi Wang, Phong Truong, Justin Pevner, Pedro Cruz, Todd Golde, Yona Levites

451. Acute effects of moderate alcohol on working memory function in social drinkers: A replication study. Christian Garcia, Ben Lewis, Jeff Boissoneault, Sara Jo Nixon

452. Age at initial marijuana use is associated with subsequent opioid use in a sample of younger adult treatment-seekers. Riley Bohan, Ben Lewis, Sara Jo Nixon

453. Individuals with AUD show greater rates of improvement than controls in identifying anger: A growth curve analysis. Julianne Price, Ben Lewis, Sara Jo Nixon

454. Alcohol and placebo effectiveness in older and younger drivers' responses to potential collisions. Natalie Rilo, Julianne Price, Ben Lewis, Sara Jo Nixon

455. Deformation-based morphometry and behavioral correlates in an animal model of repetitive behavior. Carly Bass, Brad Wilkes, Hannah Korah, Marcelo Febo, Mark Lewis

456. Effects of environmental enrichment on probabilistic reversal learning and motor stereotypy in C58 mice. Jessica Feinstein, Lisa Curry-Pochy, Joseph Rudy, Brianna Yaffe, Mark Lewis

457. Determining the relationship of habitual responding and deficits in behavioral flexibility in an animal model of autism spectrum disorder. Brianna Yaffe, Lisa Curry-Pochy, Jessica Feinstein, Mark Lewis

458. Deformation-based morphometry and correlates with repetitive behavior in children with Autism Spectrum Disorder. Hannah Korah, Bradley Wilkes, Carly Bass, Mark Lewis

459. Optogenetic control of the subthalamic nucleus to reduce repetitive behavior. Amber Muehlmann, Lisa Curry-Pochy, Jenna Hart, Michael Smeltzer, Eric Krause, Mark Lewis

460. Altitudinal neglect from a unilateral hemispheric lesion. Michael Morris, Kenneth Heilman

461. Effect of perfluorocarbon emulsion infusion on platelet activation observed by scanning-electron microscopy in normal and hemorrhagic sheep. J. Mark Hylton, Evan Kraus, J. Travis Parsons, Bruce Spiess, Jiepei Zhu

462. In silico screening for potentially aberrant novel essential splice sites (PANESS) created by single nucleotide variants (SNVs) in the human genome.

Christine Bruels, Tonatiuh Mendoza, Jamillah Khan, Hemakumar Reddy, Elicia Estrella, Monkol Lek, Beryl Cummings, Elise Valkanas, Daniel MacArthur, Louis Kunkel, François Modave, Peter Kang

463. AAV mediated gene therapy improves soleus function in a mouse model of Barth Syndrome.

Michael Jones, Silveli Suzuki-Hatano, Rachael Witko, Skylar Rizzo, Peter Kang, Christina Pacak

464. Characterizing mouse muscle using fiber-typing in Megf10 deficient mouse models.

Kelsey Manko, Madhurima Saha, Michael Jones, Peter Kang

465. The developmental and metabolic impact of PYROXD1 deficiency on myoblasts and clinical correlations with limb-girdle muscular dystrophy in Saudi Arabia.

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466. Incidence of cerebral palsy and hypotonia in patients with congenital heart disease.

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467. Dopamine transporter activation reduces Kv2.1 activation potential and cluster size.

Joe Lebowitz, Jose Pino, Danielle Sambo, Keeley Divita, Cheyenne Henckel, Min Lin, Gonzalo Torres, Habibeh Khoshbouei

468. Immunoregulation of the dopamine transporter on human macrophages.

Phillip Mackie, Adithya Gopinath, Leila Saadatpour, Jose Pino, Habibeh Khoshbouei

469. Reduced dopamine transmission and microglial reactivity following induction of HIV-1 Tat.

Douglas Miller, Fatemeh Shaerzadeh, Leah Phan, Nesrin Sharif, Joyonna Gamble-George, Jay McLaughlin, Wolfgang Streit, Habibeh Khoshbouei

470. Gene therapy improves lifespan and cardiorespiratory function in a rat model of Pompe disease.

Lauren Duncanson, Lauren Vaught, Bhuvna Mahajan, A. Gary Todd, Barry Byrne, Darin Falk

471. Optogenetic rehabilitation improves neuromuscular function following peripheral nerve injury.

Bhuvna Mahajan, Lauren Duncanson, Gabby Cowen, Katherine Fleming, Imaray Noda, Lauren Vaught, A. Gary Todd, Darin Falk

472. Gene therapy correction of frataxin deficiency in the central nervous system of novel mouse model of Friedreich's ataxia. David Freeman, Ian Debus, Jayakrishnan Nair, Monica Tschosik, Blake Meyer, Megan Pope, Barbara Perez, Vijayandran Chandran, S.H. Subramony, Barry Byrne, Manuela Corti

473. Clinical outcome measures of efficacy in treatment of Friedreich's ataxia. Blake Meyer, Cristina Liberati, Jessica Bowman, Agostina Casamento-Moran, Evangelos Christou, S.H. Subramony, Barry Byrne, Manuela Corti

474. Predominant periodontal bacteria augment ischemic stroke outcomes. Abdullah Ahmad, Sasanka Chukkapalli, Pradip Kamat, Damian Hernandez, Jessica Jiron, Jose Aguirre, Lakshmya Kesavalu, Sylvain Doré

475. Role of the haptoglobin-CD163 scavenging system in intracerebral hemorrhage. Jenna Leclerc, Chris Li, Sylvain Doré

476. Local expression of a soluble TLR4 decoy receptor ameliorates intracerebral hemorrhage outcomes. Damian Hernandez, Jenna Leclerc, Paramita Chakrabarty, Abdullah Ahmad, Ishwarya Satyavarapu, Pedro Cruz, Todd Golde, Sylvain Doré

477. Genetic deletion of haptoglobin ameliorates intracerebral hemorrhage-induced brain damage. Jenna Leclerc, Chris Li, Stacy Jean, Sylvain Doré

478. Korean Red Ginseng protects against long-term sensorimotor deficits after ischemic stroke through the Nrf2 pathway. Lei Liu, Mary Vollmer, Victoria Fernandez, Yasmin Dweik, Matthew Weider, Hocheol Kim, Sylvain Doré

479. Protective effects of the lipophilic DADMDFT iron chelator against brain hemoglobin toxicity. Bo Ma, Kristina Goodwin, Jason Day, Lei Liu, Sylvain Doré

480. Unique role of CD163 and haptoglobin in transient ischemic stroke. Pradip Kamat, Jenna Leclerc, Rachna Patel, Sylvain Doré

481. Initial Pulsatility Index as a predictor of long term outcomes in aneurysmal subarachnoid hemorrhage. John Sousa, Jenna Leclerc, J. Paul Flemming, Terrie Vasilopoulos, Arelys Zamora, Sylvain Doré

482. Limb remote ischemic conditioning: Mechanisms, anesthetics, and the potential for expanding therapeutic options. Gangling Chen, Mrugesh Thakkar, Christopher Robinson, Sylvain Doré

483. Deletion of metal transporter SLC39A14 causes accumulation of manganese leading to impaired motor skills, decreased levels of anxiety and a heightened fear response in mouse model of manganism. Armin Garcia, Jessica Schrier, Genesys Giraldo, Supak Jenkitkasemwong, Mitchell Knutson, Christopher Janus

484. Confounding effect of torticollis on the impairment of motor coordination in a mouse model for manganism. Genesys Giraldo, Mitchell Knutson, Christopher Janus

485. Optogenetic inactivation of basolateral amygdala in young rats recapitulates aged rats' ability to delay gratification in an intertemporal choice task. Caesar Hernandez, Caitlin Orsini, Joseph McQuail, Chase Labiste, Alexa-Rae Wheeler, Tyler Ten Eyck, Sarthak Singhal, Sara Burke, C. Jason Frazier, Barry Setlow, Jennifer Bizon

486. Age- and stress-related neuroendocrine dysfunction associate with impaired working memory and loss of GABAergic synaptic markers in prefrontal cortex. Joseph McQuail, Sahil Ghay, Matthew Bruner, Caesar Hernandez, Eric Krause, Barry Setlow, Deborah Scheuer, Jennifer Bizon

487. Mitochondrial structural defects in Barth syndrome patient-derived fibroblasts. Manashwi Ramanathan, Silveli Suzuki-Hatano, Katherine Santostefano, Naohiro Terada, Barry Byrne, W. Todd Cade, Peter Kang, Christina Pacak

488. AAV-mediated TAZ gene replacement restores function and improves aberrant proteomic profiles in Barth Syndrome. Silveli Suzuki-Hatano, Madhurima Saha, Skylar Rizzo, Rachael Witko, Bennett Gosiker, Manashwi Ramanathan, Meghan Soustek, Michael Jones, Peter Kang, Barry Byrne, W. Todd Cade, Christina Pacak

489. Role of the pyruvate dehydrogenase kinase 4 (PDK4) gene mutation in mitochondrial metabolism in Doberman Pinschers. Kathryn Taggart, Amara Estrada, Patrick Thompson, Francisco Lourenco, Sara Kirmani, Silveli Suzuki-Hatano, Christina Pacak

490. AAV-mediated gene delivery to treat Xeroderma Pigmentosum – Cockayne Syndrome (XP-CS) in vivo. Rachael Witko, Skylar Rizzo, Mughil Sriramvenugopal, Silveli Suzuki-Hatano, Peter Kang, Christina Pacak

491. A novel interaction between PMP22 and ABCA1 in regulating cholesterol trafficking. Ye Zhou, Sooyeon Lee, Joshua Miles, Hagai Tavori, Sergio Fazio, Lucia Notterpek

492. Epigenetic mechanisms mediate multigenerational effects of early life exposure to sevoflurane in rats. Ling-Sha Ju, Jiao-Jiao Yang, Timothy Morey, Nikolaus Gravenstein, Christoph Seubert, Jia Li, James Resnick, Anatoly Martynyuk

493. Truncation of Alpha-synuclein increases amyloid formation. Zachary Sorrentino, Kimberly-Marie Gorion, Kevin Strang, Niranjay Vijayaraghavan, Benoit Giasson

494. Distinct abilities of tau mutants to drive seeded and non-seeded aggregation. Kevin Strang, Cara Croft, Zachary Sorrentino, Paramita Chakrabarty, Todd Golde, Benoit Giasson

495. Temporal analysis of biomarkers of brain damage in ovine survival models of hemorrhage and blast / hemorrhage polytrauma with perfluorocarbon treatment. Suneel Thummala, Jacquelyn McCarter, Christopher Sweeney, Paul Middleton, Jiepei Zhu, Bruce Spiess, J. Travis Parsons

496. Comparison of 7 Alzheimer's disease transgenic mouse models on amyloidosis. Guilian Xu, Michael Pace, Susan Fromholt, Judy Triplett, Xuefei Liu, Paramita Chakrabarty, Yona Levites, Todd Golde, David Borchelt

497. Investigating the metabolic profile of lipopolysaccharide induced neuroinflammation in vitro in SIM-A9 microglial cells. Taylor Domenick, Emily Gill, Richard Yost, Timothy Garrett, Vinata Vedam-Mai

498. Effectiveness of Deep Brain Stimulation (DBS) in mice with Spinocerebellar Ataxia (SCA1). Sara Kurtovic, Riken Nathu, Shreya Raman, Bharat Malhotra, Karen McFarland, Michael Okun, Vinata Vedam-Mai

499. Clinicopathological changes following PPN-DBS for freezing of gait: A case report. Bharat Malhotra, Shreya Raman, Ahmad Elkouzi, Anthony Yachnis, Michael Okun, Vinata Vedam-Mai

500. L-carnitine inhibits lipopolysaccharide-induced nitric oxide production of SIM-A9 microglia cells. Emily Gill, Shreya Raman, Richard Yost, Timothy Garrett, Vinata Vedam-Mai

501. A case of tardive dyskinesia and parkinsonism following use of phentermine for weight loss. Ryan Barmore, Christopher Hess, Nikolaus McFarland, Michael Okun

502. Expression of Hsp104 variants impact on SOD1 inclusions. Kayley Erickson, Jacob Ayers, Hilda Brown, David Borchelt

503. Mislocalization of aquaporin-4 in neurodegenerative mouse models. Eric Fagerli, David Borchelt, Jacob Ayers

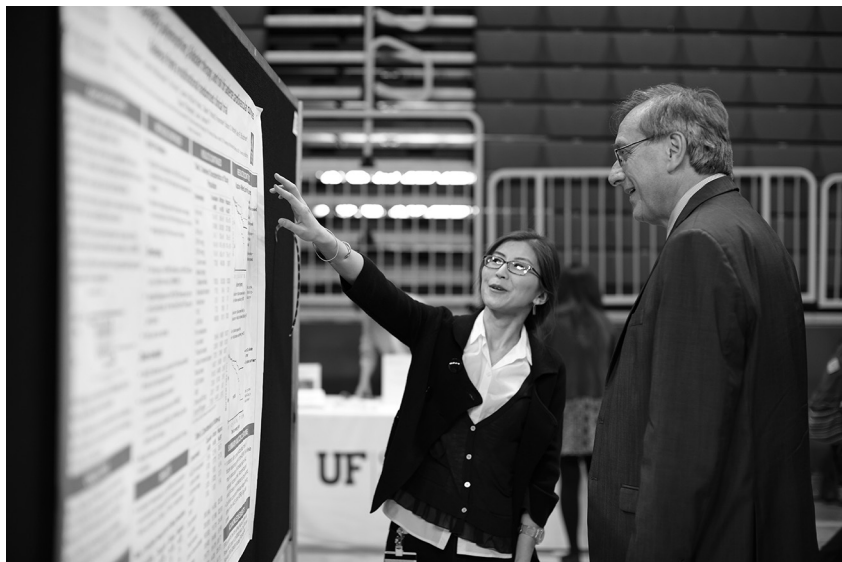
504. Mutant human proteins linked to familial neurodegeneration cause secondary protein misfolding in the spinal cord. Michael Pace, Guilian Xu, Susan Fromholt, John Howard, Benoît Giasson, Jada Lewis, David Borchelt

505. Regulation of risky decision making by gonadal hormones. Shelby Blaes, Caitlin Orsini, Tyler Garman, Jennifer Bizon, Barry Setlow

506. Optogenetic inactivation reveals multiple distinct roles for BLA in regulating risky decision making. Caitlin Orsini, Caesar Hernandez, Sarthak Singhal, Kyle Kelly, Charles Frazier, Jennifer Bizon, Barry Setlow

507. Enhancing effects of cannabis smoke exposure on working memory performance. Barry Setlow, Shelby Blaes, Caitlin Orsini, Toneisha Stubbs, Shandera Ferguson, Sara Heshmati, Shannon Wall, Marcelo Febo, Adriaan Bruijnzeel, Jennifer Bizon

508. Geospatial analysis of underserved movement disorders patients in a large tertiary referral center: A hypothesis-generating study. Alaina Giacobbe, Emily Dinh, Leonardo Almeida





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