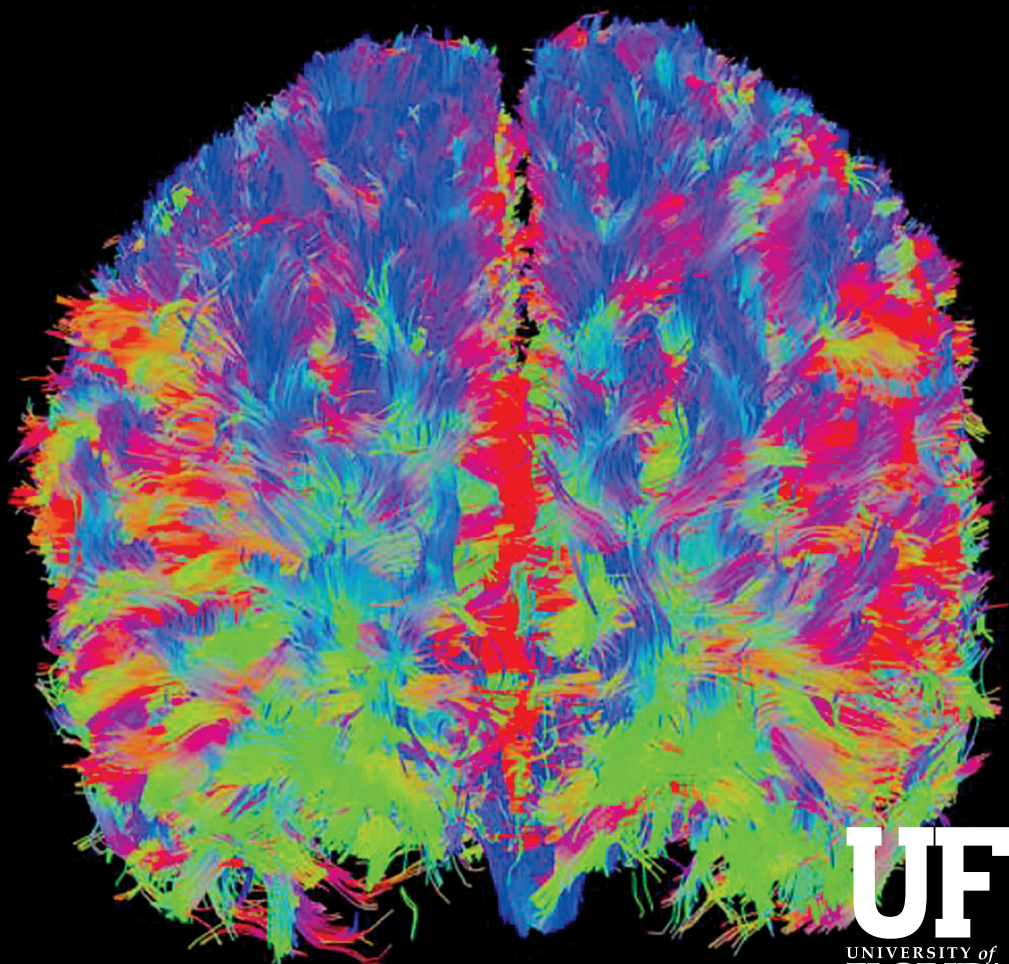


UNIVERSITY OF FLORIDA
COLLEGE OF MEDICINE

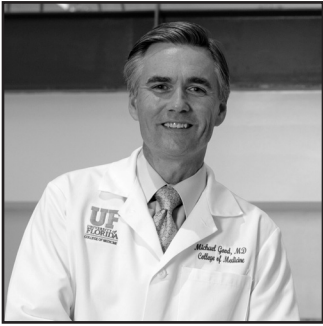
2017 Celebration of Research



UF
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FLORIDA

Cover photos of three-dimensional in vivo MRI of human brain white matter at 3 Tesla.
Courtesy of Thomas Mareci, PhD, Department of Biochemistry & Molecular Biology.

Welcome from the Dean



We come together to celebrate the research underway within the University of Florida College of Medicine. Again, we will see the amazing creativity, quality, and scope through the accomplishments of our talented faculty and trainees. Most importantly, our annual Celebration of Research events afford us the opportunity to appreciate how our broad portfolio of basic, translational, population, and clinical

research, will contribute to a healthier future for all. This year, we utilize the new O'Connell center lobby to host undergraduate students interested in pursuing graduate studies at the College of Medicine. Please join us in welcoming these future UF researchers. As you attend all of the 2017 Celebration of Research events, please enjoy visiting with both old and new friends and colleagues and join me in thanking them for their hard work and passion that drive the research engine, which is the UF College of Medicine.

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



POSTER SESSION & RECEPTION

Monday, February 27, 2017

5:30pm – 8:30pm

Stephen C. O'Connell Center

Telling our story



More than 500 posters will fill the floor of the Exactech Arena at the Stephen C. O'Connell Center. The ever-increasing number of posters at our annual get-together is truly reflective of the growth, power, and diversity of the research operation of the College of Medicine. However, it will be the impact of the science shown on each of these posters that will ultimately determine the

sustainability of our research program. In addition, researchers are now challenged, perhaps more than ever, to better communicate the relevance and quality of the scientific data generated by our programs. To assist in communicating the impact of our science, the Dean's Office will continue to build multimedia communication portals to reach out to each other, our colleagues, and our stakeholders worldwide, highlighting the power of the research ongoing at the University of Florida College of Medicine. Over the next year, please help us 'tell your story'.

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

KEYNOTE SPEAKER

Tuesday, February 28, 2017

12:00 noon

C1-11, Communicore Building, HSC

“Emerging Therapies for Neurogenetic Diseases”

Beverly L. Davidson, PhD



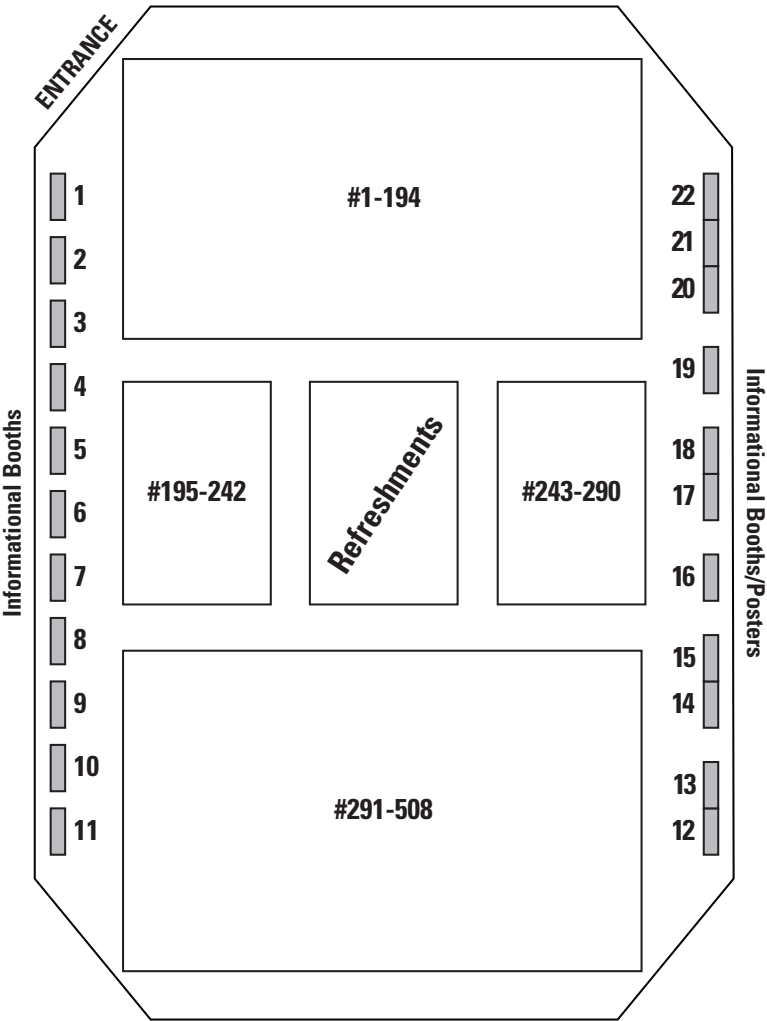
Dr. Davidson is the Director of The Raymond G. Perelman Center for Cellular and Molecular Therapy, the Chief Scientific Strategy Officer, and holds the Arthur V. Meigs Chair in Pediatrics at Children's Hospital of Philadelphia. She is also Professor of Pathology and Laboratory Medicine, Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania. Professor Davidson's research

is focused on inherited brain disorders and the development of novel therapies to treat these fatal diseases. She was named an AAAS Fellow in 2007, and in 2009, received the NIH Mathilde Solowey Award, and was named Member, Electorate Nominating Committee, as well as chair, Medical Sciences, AAAS. In 2011, Dr. Davidson was a S.J. Armond Lecturer, AANP, and University of Iowa Presidential Lecturer. In 2012, she was a Carver College of Medicine Faculty Service and Iowa Innovator Awardee. She has served on numerous NIH Study sections, was co-chair of the Editors Panel, Transformative Award Review Committee from the Office of the Director (NIH) and currently serves on Council for NINDS, NIH. She is a member of the Scientific Advisory Board of the Huntington Study Group and the Medical Research Advisory Board of the National Ataxia Foundation, and was awarded the Leslie Gehry Brenner Prize for Innovation in Science in 2015.

FLOOR PLAN

GATE 1

GATE 2



GATE 4

GATE 3

INFORMATIONAL BOOTHS/POSTERS

Name

- 1 Powell Gene Therapy Center
- 2 Center of Innovation on Disability and Rehabilitation Research
- 3 UF Research Computing
- 4 College of Medicine Electron Microscopy Core
- 5 Molecular Pathology Core
- 6 Biotility, UF Center of Excellence for Regenerative Health Biotechnology
- 7 Center for Safety, Simulation & Advanced Learning Technologies
- 8 UF Interdisciplinary Center for Biotechnology Research
- 9 UF Diabetes Institute
- 10 Center for Smell & Taste
- 11 UF Substance Abuse Training Center in Public Health
- 12-13 Research Administration & Compliance / Office of Clinical Research
- 14-15 UF Clinical and Translational Science Institute
- 16 OneFlorida Clinical Research Consortium
- 17 Health Science Center Library
- 18 Library Liaisons: Partners in Research and Scholarship
- 19 UF Center for Addiction Research & Education
- 20-22 AMRIS (Advanced Magnetic Resonance Imaging and Spectroscopy)

POSTER TITLES

MSRP denotes a student participating in the Medical Student Research Program.

1. An epigenome wide association study on alcohol consumption:

A monozygotic twin study. Yun Zhu, Eric Strachan, Emily Fowler, Tamara Bacus, Xinguang Chen, Peter Roy-Byrne, Jinying Zhao

2. The relation between phylogenetic and functional diversity. Luciano Brocchieri

3. TFII-I interacts with E2F transcription factors and regulates their association with the co-occupied CDC27 and Cul5 gene loci.

Rukiye Nar, Yong Shen, Alex Xiucheng Fan, Mahmoud Aryan, Mir Hossain, Paul Wassel, Ming Tang, Jianrong Lu, John Strouboulis, Jörg Bungert

4. Functional characterization of a novel enhancer for γ -globin gene expression using a synthetic zinc finger-DNA binding domain.

Yong Shen, Mir Hossain, Rukiye Nar, Shaleen Thakur, Isaac Knudson, Jörg Bungert

5. Comprehensive population-based genome sequencing provides insight into hematopoietic regulatory mechanisms.

Michael Guo, Satish Nandakumar, Jacob Ulirsch, Seyedeh Zekavat, Jason Buenrostro, Pradeep Natarajan, Rany Salem, Roberto Chiarle, Mario Mitt, Mart Kalsi, Kalle Pärn, Krista Fischer, Lili Milani, Reedik Mägi, Priit Palta, Stacey Gabriel, Andres Metspalu, Eric Lander, Sekar Kathiresan, Joel Hirschhorn, Tõnu Esko, Vijay Sankaran

6. The effects of the endocrine disruptor vinclozolin on the sexually dimorphic 2D:4D ratio.

Lindsey North, A. Kelsey Lewis, Martin Cohn

7. Hedgehog signaling initiates genital tubercle development.

Alexandra Carroll, Brooke Armfeldt, Martin Cohn

8. Androgen-dependent cell migration in the developing perineum epidermis.

Daniel Grunberg, Gabriel Daniels, Erik Feldtmann, Christine Larkins, Martin Cohn

9. Digit development in *Anolis sagrei*.

Griffin McNamara, Bonnie Kircher, Martin Cohn

10. Growing apart: Characterizing the development of sexual dimorphism.

Bonnie Kircher, Martin Cohn

11. Regulatory shifts in memory CD4⁺ lymphocytes underlie gene expression differences between type 1 diabetes and controls.

Jeremy Newman, Patrick Concannon, Lauren McIntyre

12. SECIMTools: A Galaxy based set of metabolomics data analysis

tools. Miguel Ibarra-Arellano, Alexander Kirpich, Justin Fear, Oleksandr Moskalenko, Matt Thoburn, Joseph Gerken, Xinlei Mi, Ali Ashrafi, Alison Morse, Lauren McIntyre

13. Comparison of two alternative paradigms in variable selection problem in untargeted metabolomics data analysis.

Alexander Kirpich, George Michailidis, Lauren McIntyre

14. Genetics of Staphylococcus aureus. Chelsea DeVaux, Daniel Stribling, Srishtee Aurora, Xiaowen Liang, Nadia Casillas-Ituarte, Magnus Hook, Vance Fowler, Steven Lower, Lauren McIntyre

15. Integrated experimental design for OMIC studies. Funda Ogut, Jeremy Newman, Lauren McIntyre

16. An engineered zinc finger protein with improved activity to rescue disease specific mis-splicing. Melissa Hale, Jared Richardson, Ryan Day, Eric Wang, J. Andrew Berglund

17. In vivo knock-down of the Herpes Simplex Virus type 1 latency-associated transcript reduces reactivation from latency. Zachary Watson, Shannan Washington, Dane Phelan, Alfred Lewin, Sonal Tuli, Gregory Schultz, Donna Neumann, David Bloom

18. Active opening of sliding clamps in three easy steps. Lauren Douma, Kevin Yu, Anirban Purohit, Jennifer England, Marcia Levitus, Linda Bloom

19. Genotype/phenotype correlation of cellular function and AAV-mediated gene delivery to treat Xeroderma Pigmentosum – Cockayne Syndrome (XP-CS). Skylar Rizzo, Amy Donate, Michael Jones, Kelsey Manko, Katherine Santostefano, Naohiro Terada, Fowzan Alkuraya, Peter Kang, Christina Pacak

20. Mitochondrial structural defects in patient-derived fibroblasts in Barth Syndrome. Manashwi Ramanathan, Katherine Santostefano, Naohiro Terada, Amy Donate, Barry Byrne, W. Todd Cade, Christina Pacak

21. Pre-clinical studies to develop gene therapy for Barth Syndrome. Silveli Suzuki-Hatano, Skylar Rizzo, Manashwi Ramanathan, Michael Jones, Katherine Santostefano, Naohiro Terada, Barry Byrne, W. Todd Cade, Peter Kang, Christina Pacak

22. AAV-MitoTimer to assess mitochondrial turnover in vitro and in vivo. Bennett Gosiker, Skylar Rizzo, Amy Donate, Christina Pacak

- 23. AAV mediated gene therapy improves soleus function in a post-hypoxic mouse model of Barth Syndrome.** Michael Jones, Skylar Rizzo, Amy Donate, Barry Byrne, Peter Kang, Christina Pacak
- 24. The common human R71H-G230A-R293Q STING allele influences Pneumovax23 efficacy.** Seema Patel, Steven Blaauboer, Heidi Tucker, Samira Mansouri, Lei Jin
- 25. Genetic factors of resilience in Syrian refugees living in Jordan.** Alexis Boulter (MSRP), Chris Clukay, Connie Mulligan
- 26. Activation of Protease-Activated Receptor 2 leads to impairment of keratinocyte differentiation and tight junction integrity.** Mason Henehan (MSRP), Peter Nadeau, Anna De Benedetto
- 27. A histological comparison of ear skin regeneration in Acomys and Mus.** Aaron Sandoval, Jason Orr Brant, Malcolm Maden
- 28. FOXO3 expression in the human ovary.** Helen Swenson, Alice Rhoton-Vlasak, Dawn Beachy, Harry Nick, Demaratta Rush
- 29. Three-dimensional tracking of cell fate in differentiating MSCs during 740Y-P induced chondrogenesis for cartilage repair.** Alfonso Martin-Pena, Glendon Plumton, Margaret Pires-Fernandes, Isaac Adjeai, Kyle Allen, Blanka Sharma, Steven Ghivizzani, Glyn Palmer
- 30. Enhanced late sodium current predisposes cardiomyocytes from aged guinea pigs to the arrhythmogenic effects of hydrogen peroxide.** Yejia Song, Sridharan Rajamani, Luiz Belardinelli
- 31. Mechanism of the blood pressure response to a novel vascular disrupting combretastatin (OXi4503).** Mahan Shahrivari, Elizabeth Wise, Leslie Pettiford, Douglas Bennion, David Chaplin, Carl Pepine, Christopher Cogle
- 32. Peripheral blood cytokine levels after acute myocardial infarction-IL-6-related impairment of bone marrow function: From the NHLBI Cardiovascular Cell Therapy Research Network.** Mahan Shahrivari, Elizabeth Wise, Micheline Resende, Jonathan Shuster, Jingnan Zhang, Roberto Bolli, John Cooke, Ray Ebert, Joshua Hare, Timothy Henry, Aisha Khan, Doris Taylor, Jay Traverse, Philip Yang, Carl Pepine, Christopher Cogle
- 33. Circulating progenitor cells in hypertensive symptomatic women with non-obstructive CAD: From the NHLBI WISE-CVD Project.** Mahan Shahrivari, Mark Segal, Arshed Quyyumi, Edmund Waller, Noel Bairey Merz, Carl Pepine

34. Spiny mouse is protected from ischemia induced cardiac injury: Leading role of microRNAs. YanFei Qi, Ruby Goel, Avinash Singh Mandloi, Ravneet Vohra, Glenn Walter, Yarrow Joshua, Tongjun Gu, Michael Katovich, Juan Aranda, Malcolm Maden, Mohan Raizada, Carl Pepine

35. Protective effects of cardiac myosin light chain kinase in post-myocardial infarction heart failure. Joshua Kaiser, Eileen Chang, Olivia Moumne, Yohei Tanada, Hideko Kasahara

36. Effects of maternal hypoxia on cardiac development. Olivia Moumne, Rajib Chowdhury, Hideko Kasahara

37. Validation of the HEART pathway for risk identification of major adverse cardiac events in patients presenting atypically for acute coronary syndrome. Jesse Revenis (MSRP), Michael Setteducato, Michael Marchick, Brandon Allen

38. Assessment of the usefulness of the HEART score in predicting outcomes of potentially harmful imaging studies: A retrospective analysis. Michael Setteducato (MSRP), Jesse Revenis, Michael Marchick, Brandon Allen

39. Comparison of different invasive hemodynamic measurements as a prediction tool for mortality after transcatheter aortic valve replacement. Anthony Bavry, Seyed Hossein Aalaei-Andabili, Ashkan Karimi, Ki Park, Calvin Choi, Eddie Manning, Thomas Beaver, Wade Stinson

40. Should Coronary Computed Tomography Angiography be used as the primary method to assess low-risk patients with chest pain? Nicole Ruiz (MSRP), Allana Rodriguez, Matthew Calkins, Henry William Young II, Lars Beattie

41. Evaluation of traditional risk factors in predicting the degree coronary artery stenosis in a low risk population. Allana Rodriguez (MSRP), Matthew Calkins, Nicole Ruiz, Henry William Young II, Lars Beattie

42. BMI as a predictor of coronary artery stenosis in low risk patients. Matthew Calkins (MSRP), Nicole Ruiz, Allana Rodriguez, Henry Young, Lars Beattie

43. Using outpatient medications and comorbidities as predictors of peri-intubation hypotension during ED rapid sequence intubation. Stephanie Winslow (MSRP), Corey Jones, Jayike Nwokolo, Lars Beattie, Michael Marchick

45. Minimally invasive thoracoscopic surgery is an effective approach for inappropriate sinus tachycardia. Seyed Hossein Aalaei Andabili, William Miles, Thomas Burkart, Matthew Mckillop, Juan Garcia, Thomas Beaver

46. The Florida Sleeve procedure is durable and improves aortic valve function. Seyed Hossein Aalaei-Andabili, Tomas Martin, Philip Hess, Charles Klodell, Gregory Janelle, Yong Peng, Kent Berg, Ashkan Karimi, George Arnaoutakis, Thomas Beaver

47. Rapid adoption of transcatheter aortic valve replacement in Florida did not diminish open volumes. Lisa Soler, Karen Walker, Julie Richter, Anthony Bavry, Charles Klodell, David Anderson, Calvin Choi, Kent Berg, William Smith, John Petersen, Thomas Beaver

48. Combining bariatric surgery and left ventricular assist device implantation: A route to heart transplantation for the morbidly obese. Eric Jeng, Caleb Matthews, David Brenneman, Taylor Zak, David Hall, Mustafa Ahmed, Charles Klodell, Thomas Beaver

49. Bursting the balloon: Transcatheter Aortic Valve Replacement (TAVR) without pre-balloon valvuloplasty. John Mayfield (MSRP), Seyed Hossein Aalaei-Andabili, Anthony Bavry, John Petersen, R. David Anderson, Charles Klodell, Teng Lee, Thomas Beaver

50. Cardiac computed tomographic angiography (CTA) as primary decision making tool for management of patients with Tetralogy of Fallot (TOF) and pulmonary atresia (PA). Dipankar Gupta, F. Jay Fricker, Mark Bleiweis, Arun Chandran

51. Inpatient STEMI process improvement. Dhaval Naik, Melinda Phillips, Linda Morris, Vicki Arnett, Karl Brindle, Carla Schmidt, Calvin Choi

52. Same-day discharge after elective percutaneous coronary intervention. Dhaval Naik, Joshua Immergluck, Erik Schneibel, Jose Alvaez-Cardona, Nayan Agarwal, Calvin Choi

53. Same-day discharge after uncomplicated, elective percutaneous coronary intervention. Laura Buchanan (MSRP), Joshua Immergluck, Theresa Wilson, Anthony Bavry, Ki Park, Calvin Choi

54. Financial implications of coding inaccuracies in patients undergoing endovascular abdominal aortic aneurysm repair. Suniah Ayub, Salvatore Scali, David Bielick, Thomas Huber, Javairiah Fatima, Kristina Giles

55. Appreciating the impact of a trauma induced coagulopathy on fibrinogen structure. Chukwuemeka Runyon, Christopher Giordano, Bruce Spiess

56. Rapid fluid infusion and potential right heart overload: An unlikely stand-alone physical mechanism. Lauren Correa, Joshua Sappenfield, Christopher Giordano

57. Minute ventilation as a frequently unmeasured confounding variable in EtCO₂-guided resuscitation. Maria Leinonen, Nikolaus Gravenstein, Christopher Giordano

58. TAVR: A subvalvular surprise. Kevin Olsen, Caleb Awoniyi, J. Christopher Goldstein

59. Undiagnosed hypertension in electronic health records from the OneFlorida data repository. Jay Hogan (MSRP), Rhonda Cooper-DeHoff, Baiming Zou, William Hogan

60. Oversizing donor allografts in lung transplants for end-stage chronic obstructive pulmonary disease. Eric Jeng, David Hall, Jeremy Taylor (MSRP), Jon Gregg, Juan Salgado, Andres Pelaez, Amir Emtiazjoo, Satish Chandrashekar, Charles Klodell, Edward Staples, Thomas Beaver, Tiago Machuca

61. Better than you think: Appropriate use of implantable cardioverter-defibrillators at a single academic center. Nikhil Shah, Steven Ross, Steve Noutong Njapo, Justin Merritt, Andrew Kolarich, Michael Kaufmann, Thomas Burkart, William Miles, David Winchester, Matthew McKillop

62. Impact of a pharmacy-cardiology collaborative practice on dofetilide safety monitoring. Lieth Quffa, Michael Kaufmann, Matthew McKillop, Andrew Franck, Mark Panna

63. Hospital volume impact on patient safety indicators and failure to rescue following open abdominal aortic aneurysm repair. Kristina Giles, Paul Kubilis, Christina Crippen, Diego Ayo, Thomas Huber, Martin Back, Javairiah Fatima, Scott Berceli, Adam Beck, Salvatore Scali

64. Outcomes of thoracic endovascular aortic repair using brachiocephalic chimney stents in high risk patients. Igor Voskresensky, Robert Feezor, Javairiah Fatima, Kristina Giles, Rosamaria Tricarico, Scott Berceli, Thomas Huber, Adam Beck, Salvatore Scali

- 65. Outcomes after thoracic endovascular aortic repair in adult aortic coarctation patients.** Salim Lala, Salvatore Scali, Satish Chandrasekhar (MSRP), Kristina Giles, Adam Beck, Javairiah Fatima, Scott Berceli, Thomas Huber, Robert Feezor
- 66. A study of serum, CSF and urine biomarker in a cohort of thoracic endovascular aortic repair patients.** Cui Yang, Gerry Shaw
- 67. Use of medications that potentially interfere with blood pressure control among patients with resistant hypertension on ≥ 4 antihypertensive drugs.** Andrew Hwang, Chintan Dave, Steven Smith
- 68. Systematic review of using simulation to teach echocardiography.** Justin Merritt, Cecil Rambarat, Erik Black, Hannah Norton, David Winchester
- 69. Real world use of cardiac troponin levels and the downstream utilization of cardiovascular services.** Kristopher Kline, Christopher Estel, Sean Taassan, Jingnan Zhang, Jonathan Shuster, David Winchester
- 70. Predictors of cardiology consult and cardiac catheterization in patients undergoing troponin testing.** Christopher Estel, Kristopher Kline, Sean Taasan, Jingnan Zhang, Jonathan Shuster, David Winchester
- 71. Just in time Cardiology: Reducing clinic wait times through physician triage of consultations.** David Winchester, Don Chapman, Carsten Schmalfuss
- 72. Prevalence and patterns of care in cardiac troponin superusers.** Sean Taasan (MSRP), David Winchester
- 73. Cytokine profiles in type 1 diabetes vs. healthy controls.** Amber Johnson (MSRP), MacKenzie Williams, Clive Wasserfall, Mark Atkinson
- 74. The peri-islet Schwann cell network and pancreatic ganglia in T1D disease.** Elizabeth Butterworth, Kristina Weitzel, Andre Revell, Mark Atkinson, Martha Campbell-Thompson
- 75. Single islet HLA class I mRNA and protein levels in type 1 diabetes.** Elizabeth Butterworth, Ivan Gerling, Nataliya Lenchik, Clayton Mathews, Mark Atkinson, Joseph Canzano, Andre Revell, Martha Campbell-Thompson
- 76. Endocrine and exocrine microvascular alterations in type 1 diabetes.** Joseph Canzano, Elizabeth Butterworth, Andre Revell, Mark Atkinson, Martha Campbell-Thompson
- 77. Type 1 diabetes in a dish.** Lucas Armitage, Brittney Newby, Katherine Santostefano, Melanie Cash, Jing Chen, Naohiro Terada, Alexi Savinov, Todd Brusko, Clayton Mathews, Mark Wallet

78. USP18 is required for HIV-1 infection in a human iPSC-derived macrophage infection model. Jared Taylor, Daniel Aldridge, Melanie Cash, Katherine Santostefano, Lucas Armitage, Naohiro Terada, Mark Wallet

79. Feeding schedule does not appear to play a role on energy homeostasis in rats. Isabelle Cote, Hale Toklu, Nihal Tumer, Philip Scarpace

80. A high fructose, high trans-fat diet induces predisposition to mitochondrial lipotoxicity in an animal model of nonalcoholic fatty liver disease. Kaitlyn Abdo, Srilaxmi Kalavalapalli, Paige Andrews, Nishanth Sunny, Kenneth Cusi

81. Is treatment of nonalcoholic steatohepatitis with pioglitazone equally effective in patients with prediabetes compared to type 2 diabetes (T2DM)? Fernando Bril, Romina Lomonaco, Paola Portillo Sanchez, Beverly Orsak, Joan Hecht, Fermin Tio, Kenneth Cusi

82. Effect of pioglitazone on insulin sensitivity and hepatic mitochondrial function in a mouse model of nonalcoholic steatohepatitis. Srilaxmi Kalavalapalli, Kaitlyn Abdo, Dhanya Jose, Paige Andrews, Nishanth Sunny, Kenneth Cusi

83. Metabolomic alterations in pregestational diabetic placentas at term. Anushka Chelliah, Jacquelyn Walejko, Michael Orlando, Maureen Keller-Wood, Clive Wasserfall, Mark Atkinson, Arthur Edison, Anthony Gregg

84. Intrapartum vs postpartum metabolomics in serum and urine of diabetic mothers. Anushka Chelliah, Jacquelyn Walejko, Alexis Fohn, Jessica Jackson, Kathryn Patrick, Monique Ho, Arthur Edison, Anthony Gregg

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

86. Renal H,K-ATPase type 2 role in the response to mineralocorticoid excess. Luciana Morla, Oliver Shore, I. Jeanette Lynch, Charles Wingo

87. Vitamin D supplementation does not improve gastric bypass-related bone resorption. Pedro Espino-Grosso, Shahab Bozorgmehri, Anne Schafer, Thomas Carpenter, Benjamin Canales

88. Global analysis of human plasma metabolite degradation by UHPLC-HRMS using isotopic ratio outlier analysis. Casey Chamberlain, Chris Beecher, Timothy Garrett

89. Hyperpolarized [2-13C]dihydroxyacetone: Monitoring hepatic gluconeogenesis in real time. Karlos Moreno, Jian-Xiong Wang, Ralph Deberardinis, Shawn Burgess, Craig Malloy, Matthew Merritt

90. An uncommon cause of lactic acidosis. Cecil Rambarat, Krista Larson, Mark Hankins, Dominique Broutin, Denise Schain

91. Evaluating the quality of mHealth apps for diabetes management. Sarah Chavez, David Fedele, Yi Guo, Megan Smith, Jennifer Warnick, François Modave

92. DiaFit: A smart app for patients with type 2 diabetes and obesity. Michelle Cardel, Jiang Bian, Eric Rosenberg, Tonatiuh Mendoza, Zhan Liang, Sarah Chavez, Ravi Bhosale, Carlos Maeztu, Camila Rodriguez, François Modave

93. Summary of the adherence rates of the current published recommendations of the United States Preventative Services Task Force. Anthony Rainho (MSRP), François Modave

94. Prevalence and characterization of retinopathy in children with type 1 diabetes using a non-mydratiac fundus camera. Amanda LaPorte (MSRP), Laura Jacobsen, Chelsea Zimmerman, Brittany Bruggeman, Kristin Dayton, Giovanna Beauchamp, Paul Hiers, Janet Silverstein

95. Two-stage model to study idiopathic calcium oxalate stone formation. Allison O’Kell, Archana Lovett, Benjamin Canales, Laurie Gower, Saeed Khan

96. Hydroxyapatite induces tolerance in primary human monocytes exposed to calcium oxalate crystals. Paul Dominguez-Gutierrez, Benjamin Canales, Sergei Kusmartsev, Saeed Khan

97. Acute kidney injury risk stratification with urinary biomarkers and standardized clinical assessment and management plan. Nick Lysak, Justin West, Charles Hobson, Stephanie Markle, Tezcan Ozrazgat-Baslanti, Shahab Bozorgmehri, Gloria Lipori, Neil Harris, Kenneth Rand, Philip Efron, Azra Bihorac

98. Outcomes of persistent acute kidney injury and acute kidney disease in severe sepsis. Tezcan Ozrazgat-Baslanti, Ashkan Ebadi, Zhongkai Wang, Jacob Rubin, Larysa Sautina, Mark Segal, Azra Bihorac

99. Using deep multi-layer perceptron models on urinary gene expression profiling for sepsis detection. Ashkan Ebadi, Tezcan Ozrazgat-Baslanti, Nicholas Lysak, Sabyasachi Bandyopadhyay, Samskruthi Padigepati, Matthew Ruppert, Larysa Sautina, Maria-Cecilia Lopez, Henry Baker, Mark Segal, Azra Bihorac

100. Enriching the preoperative predictive models for acute kidney injury using intraoperative data. Shahab Bozorgmehri, Shivam Mittal, Swati Sisodia, Paul Nickerson, Anton Kocheturov, Tezcan Ozrazgat-Baslanti, Ashkan Ebadi, Parisa Rashidi, Azra Bihorac

101. Precision medicine approach to the prediction of kidney stone formation for at-risk population of individuals admitted to the emergency room. Zhaoyi Chen, Mattia Prosperi, Victoria Bird

102. Ultra-sensitive colorimetric detection of nitrite ions based on the aggregation of gold nanoparticles. Aniruddha Kulkarni, Kirk Ziegler, Victoria Bird

103. Compliance and barriers in care in recurrent kidney stone formers. Elizabeth Kwenda, Zhaoyi Chen, Mattia Prosperi, Victoria Bird

104. Kidney stone prevalence in insulin dependent diabetics vs. non-insulin dependent diabetics: The National Health and Nutrition Examination Survey (NHANES) 2007-2011. Olivia Liseth, Mattia Prosperi, Victoria Bird

105. Relationship between obesity, diabetes and hypertension in kidney stone formers: The National Health and Nutrition Examination Survey (NHANES) 2007-2011. Olivia Liseth, Mattia Prosperi, Victoria Bird

106. Frequency of Vitamin D deficiency and insufficiency in kidney stone formers: Comparison between pre/post menopausal women and male cohorts. Babatunde Carew (MSRP), Zhaoyi Chen, Vincent Bird, Mattia Prosperi, Victoria Bird

107. Pseudomonas aeruginosa as an etiologic agent of nephrolithiasis in deep water divers. Paulas Vyas, Ryan Chastain-Gross, Raymond Sutkowski, Vincent Bird, Victoria Bird

108. Colorimetric, pH-responsive polyvinyl chloride membranes allow for immediate, real-time detection, and reversible urine pH monitoring as part of multisystem detection of urease producing bacteria. Neal Patel, Madeline Fuchs, Cory French, Hammad Huda, Victoria Bird

109. Transitions in care and total care needed for geriatric population undergoing percutaneous nephrostolithotomy. Brandon Otto, Forat Lutfi, John Shields, Russell Terry, Mohit Gupta, Vincent Bird

110. The effect of continued aspirin therapy in patients undergoing percutaneous nephrostolithotomy. Brandon Otto, Forat Lutfi, Mohit Gupta, Russell Terry, Vincent Bird

- 111. Targeting hepatocyte, but not macrophage, to treat iron-overload mediated hepatic inflammation.** Min Li, Yuxiao Tang, Lusha Wu, Fengfeng Mo, Xin Wang, Hongxia Li, Ruirui Qi, Hongwei Zhang, Arun Srivastava, Chen Ling
- 112. Analysis of the outpatient use of opioids for treatment of pain in patients with ESRD (End Stage Renal Disease) on chronic HD (hemodialysis).** Rupam Ruchi, Xuerong Wen, Mark Segal, Saraswathi Gopal, Sanjeev Kumar
- 113. Factors shaping CKD awareness among university nephrology patients.** Emma Segal (MSRP), Colin Hinkamp, Xuerong Wen, Ashutosh Shukla
- 114. Development of squamous cell carcinoma of buccal mucosa graft used for urethroplasty: A case report.** Paula Domino, Jong Kim, Lawrence Yeung
- 115. Surgical complications in gynecologic oncology patients over the age of 70.** Jacqueline Castagno, Callie Jewett (MSRP)
- 116. Uterine fibroids: Clinical impact, current medical and surgical therapies and the potential role of insulin like growth factor binding protein 5 (IGF-BP5).** Cyra Cottrell (MSRP), Gregory Christman
- 117. Evaluation of a PCR-based gastrointestinal panel at UF Health Shands Hospital.** Elizabeth Tremblay, Kenneth Rand, Stacy Beal
- 118. Impact of insurance and economic status on care for pyloric stenosis.** Kelly Herremans, Avital Yohann, Janice Taylor, Shawn Larson, Dan Solomon, Saleem Islam
- 119. Predictive biomarkers of weight loss response and glycemic control following Roux-en-Y Gastric Bypass: Results of an ongoing cohort study.** Lida Esfandiary (MSRP), Eric Sheu, Ali Tavakkoli
- 120. Evaluation of synergistic activities & efficacy of combination drug therapy for antibiotic resistant inhalation anthrax in a murine model.** Henry Heine, Sean Shadomy, Anne Boyer, Lara Chuvala, Renaldo Riggins, Jenifer Myrick, John Craig, George Drusano, Maribel Candela, John Barr, Katherine Hendricks, William Bower, Henry Walke
- 121. Global polio eradication: Rational design of a non-infectious poliovirus VLP vaccine.** Joan Morasco, Sushma Ogram, William Zeile, Justin Kurian, Robert McKenna, James Flanegan

122. Development of molecular genetic tools and a mouse model for analysis of *Oxalobacter formigenes* as a probiotic to prevent hyperoxaluria and kidney stone disease. Chinn Le, Mary Ellen Davey, Katie Heisel, Hannah Wolcott, Paul Gulig

123. High throughput screen for AmpG inhibitors. Hao Tan, Guangtao Huang, Deanna Collia, Timothy Spicer, Louis Scampavia, Taimour Langaee, Shouguang Jin

124. The role of norovirus VP2 in suppressing maturation of antigen presenting cells. Alexa Roth, Katrina Grau, Shu Zhu, Stephanie Karst

125. Potential reservoirs of replicating HIV-1 found in patients who died with no detectable viral load while on effective drug regimens. Phillip Hahn, Sierra Leete, Patricia Rodriguez, James Dollar, David Nolan, Rebecca Rose, Susanna Lamers, Michael McGrath, Marco Salemi

126. Identifying HIV integration sites in HIV positive patients on cART. Sierra Leete, James Dollar, David Nolan, Susanna Lamers, Michael McGrath, Marco Salemi

127. Comparing chromosomal rearrangement in oral infections-associated bacteria. Yaser Alsahafi, Carla Mavian, Marco Salemi

128. OralVantage: Comprehensive database for disease-associated oral bacteria. Yaser Alsahafi, Carla Mavian, Joseph Katz, Marco Salemi

129. Evolutionary inferences of the contribution of monocytes to SIV population dynamics and the relationship between monocyte subpopulations and neuroAIDS development. Brittany Rife, Cameron Browne, David Nolan, Susanna Lamers, Patrick Autissier, Kenneth Williams, Tricia Burdo, Marco Salemi

130. Whole genome sequencing of Florida Zika isolates indicates multiple introductions and concurrent local transmission networks. David Nolan, Carla Mavian, Taylor Paisie, James Jarad Dollar, Brittany Rife, Carina Blackmore, Andrew Cannons, Ilaria Capua, Marco Salemi

131. Comparative transcriptomic analysis of frontal lobe tissue from SIV-infected rhesus macaques with detectable SIV in the brain. James Jarad Dollar, David Nolan, Carla Mavian, Brittany Rife, David Moraga Amador, Mattia Prosperi, Marco Salemi

132. Recent diversification of *Neisseria meningitidis* serogroup W135 in Florida. Patricia Rodriguez, Phillip Hahn, Sierra Leete, David Nolan, Marta Fogolari, Eleonora Cella, Taj Azarian, Marie-Claire Rowlinson, Paul Fiorella, Scott Pritchard, Marco Salemi

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134. Spatiotemporal evolution and recombination of Mayaro virus isolates collected over 60 years in the Americas: The dawn of a new epidemic?

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135. Protocol for whole surface detection of bacterial biofilms on explanted orthopedic hardware.

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136. Antimicrobial stewardship of *Clostridium difficile*: Quality improvement analysis of PCR versus GDH and toxin testing.

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Camilly Pires de Mello, George Drusano, Justin Pomeroy, Evelyn Franco, Jaime Rodriguez, Ashley Brown

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- 146. Relationship between bacteriology report time in the morning and length of stay in hospital after the report.** Stacy Beal, Gigi Lipori, Kenneth Rand
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- 148. Molecular epidemiology and phylodynamic and phylogeographic analysis of Community-associated Methicillin-resistant *Staphylococcus aureus* transmission: An emergency department population sampling strategy.** Sarah Gul, Alexandra Gasparova, Judith Johnson, J. Glenn Morris, Joseph Tyndall
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- 150. Δ^9 -Tetrahydrocannabinol inhibits Transforming Growth Factor $\beta 1$ induced pro-fibrotic and nociceptive gene expression and stimulates Interleukin 1β mRNA expression in human intestinal myofibroblasts.** Christopher Broxson, Ellen Zimmermann
- 151. A stem cell tactic to address precision medicine in hypertension.** Natalie Fredette, Katherine Santostefano, Nihal El Rouby, Julie Johnson, Naohiro Terada
- 152. Costimulatory molecule CD226 impacts lymphocyte frequency and CD8+ T cell function during type 1 diabetes.** Wen-I Yeh, Howard Seay, Brittney Newby, Clayton Mathews, Todd Brusko

153. An elevated T1D genetic risk score is associated with early age of diagnosis. Daniel Perry, Clive Wasserfall, Michael Haller, Desmond Schatz, Mark Atkinson, Todd Brusko

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158. Antagonism of YAP1 induced Ctgf transcription by HNF4 α controls liver regenerative response following carbon tetrachloride intoxication and chronic ethanol feeding in mice. Junmei Zhou, Adam Bria, Dan Gibson, Gregory Schultz, Bryon Petersen, Liya Pi

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165. Persistent inflammation immunosuppression and catabolism syndrome in chronically critically ill surgical patients following sepsis. Julie Stortz, Juan Mira, Steven Raymond, Tyler Loftus, Alicia Mohr, Philip Efron, Lyle Moldawer, Frederick Moore, Scott Brakenridge

166. The epidemiology of chronic critical illness after severe traumatic injury. Juan Mira, Tyler Loftus, Julie Stortz, Steven Raymond, Tezcan Ozrazgat-Baslanti, Zhongkai Wang, Gabriela Ghita, Babette Brumback, Henry Baker, Lyle Moldawer, Philip Efron, Frederick Moore, Scott Brakenridge

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169. Soluble antigens in plasma allow mismatched transfusion without hemolysis. James Sikora, Faisal Mukhtar, Joseph Pelletier

170. Role of Calpastatin in autophagy and mitochondrial function during ischemia/reperfusion injury in young and aged livers. Joseph Flores-Toro, Sooyeon Lee, Catherine Miney, Sung-Kook Chun, Joseph Dean, Ming-Jim Yang, Christiaan Leeuwenburgh, Ivan Zendejas, Kevin Behrns, Jae-Sung Kim

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- 175. Improved survival in neonatal sepsis following alum pretreatment is independent of neutrophils.** Jaimar Rincon, Steven Raymond, Angela Cuenca, Dina Nacionales, Lyle Moldawer, Shawn Larson
- 176. Alveolar macrophage expression of an iron induced “unrestrained” pro-inflammatory activation pattern in idiopathic pulmonary fibrosis.** Jungnam Lee, Ivan Arisi, Carmen Swaisgood, Massimo Amicosante, Ermanno Puxeddu, Mark Brantly, Cesare Saltini

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- 196. Thymidylate synthase overexpression accelerates MEN1-mediated pancreatic neuroendocrine tumor development and progression.** Kyungah Maeng, Vinod Vijayakurup, Hye Lee, Min Chen, Arun Srivastava, Frederic Kaye, Maria Zajac-Kaye
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- 202. Increased NCR- ILC3 may be indicative for the early development of spontaneous colitis in the IL-10 knockout mouse.** Ying Tang, Jian Li, Andria Doty, Jillian Pope, Ye Yang, Christian Jobin, Sarah Glover
- 203. Treatment with anakinra induces T cell production of IL22 and GI mucosal healing in an IL-10RA mutation patient.** Jian Li, Dror Shouval, Andria Doty, Scott Snapper, Sarah Glover
- 204. Evaluating clinical utility of actionable genomic alterations identified by comprehensive genomic profiling in advanced or recurrent solid tumors: A tertiary academic hospital review.** Danielle Harrell, Elham Nasri, Jong Kim, John Reith
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- 235. Development of a prediction model for re-admission after ileostomy creation in colorectal surgery patients.** Ilya Sakharuk (MSRP), Herman Peters, Lindsey Goldstein, Steven Hughes, Sanda Tan, Atif Iqbal
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242. Buckling down on torus fractures: Has evolving evidence affected our practice? Brendan Williams, Cesar Alvarado (MSRP), Diana Montoya-Williams, Robert Matthias, Laurel Blakemore

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245. Decreasing the incidence of arterial oxygen desaturation alarms in the post-anesthesia care unit by using SpO2 threshold-based, automated verbal prompts to patients. Joseph Lagrew, Drew Gonsalves, Anthony DeStephens, Andrew Gifford, Judith Wishin, Nikolaus Gravenstein, Julian Goldman, Samsun Lampotang

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256. Factors influencing patient follow-up after pelvic floor surgery. Lauren Lynch (MSRP), Hanna Peterson, Emily Weber LeBrun

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261. Epidemiological trends in sports-related elbow ulnar collateral ligament injury. Jason Zaremski, JoAnna McClelland, Heather Vincent, Kevin Farmer, Daniel Herman, Michael Moser, Bryan Prine, Michael Seth Smith, Kevin Vincent, MaryBeth Horodyski

262. Use of an online immunization registry in the pediatric emergency department to confirm tetanus vaccinations as up to date with injuries requiring tetanus vaccination in children who present to the emergency department. Janelle McCall, Hac-Tu Chung, Phyllis Hendry, Todd Wylie, Colleen Kalynch, Christina Zeretzke-Bien

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- 264. Predicting outcomes in necrotizing enterocolitis: What is the role of surgery?** Carolyn Chabuz (MSRP), Shawn Larson, Janice Taylor, Saleem Islam
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288. Outcomes of supracondylar/intercondylar femoral fractures in adults: A retrospective chart review. Goeto Dantes (MSRP), Anthony Harris, Bonnie Mason

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292. Shoulder arthroplasty outcomes after anterior stabilization procedures: Do reverses have better results? Maharsh Patel, William Stone, Aimee Struk, Kevin Farmer, Thomas Wright, Joseph King

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- 310. The structure and function of myosin X and a possible role in muscle.** H. Lee Sweeney, Anne Houdusse, Zhaohui Yang, Virginie Ropars, Tianming Lin, Melissa Merscham, David Hammers
- 311. Supraphysiological levels of GDF11 induce striated muscle atrophy.** David Hammers, Melissa Merscham, Jennifer Hsiao, Stefan Engst, James Hartman, H. Lee Sweeney
- 312. Disease modifying effects of orally bioavailable NF- κ B inhibitors in dystrophin-deficient muscle.** David Hammers, Margaret Sleeper, Sean Forbes, Cora Coker, Michael Jirousek, Michael Zimmer, Glenn Walter, H. Lee Sweeney
- 313. Methods in imaging and quantification of skeletal muscle fibrosis associated with severe muscular dystrophy.** Cora Coker, David Hammers, Elisabeth Barton, H. Lee Sweeney
- 314. Optogenetic stimulation to enhance neuromuscular performance.** Bhuvna Mahajan, Lauren Duncanson, Lauren Vaught, Gary Todd, Darin Falk
- 315. Confirmation of a large tandem duplication in Dystrophin.** Aisha Elfasi (MSRP), Hemakumar Mutra Reddy, Michael Jones, Elicia Estrella, Monkol Lek, Elise Valkanas, Daniel MacArthur, Peter Kang
- 316. Correlating Deep Brain Stimulation (DBS) lead placement with clinical outcomes using a novel non-linear deformable neuroanatomic atlas.** Cristhian Valor (MSRP), Kelly Foote
- 317. Towards a closed-loop deep brain stimulation for an improved targeted treatment of essential tremor.** Enrico Opri, Jonathan Shute, Rene Molina, Michael Okun, Kelly Foote, Aysegul Gunduz
- 318. Long-term follow-up of impedance drift and variability in STN, GPi and VIM deep brain stimulation.** Joshua Wong, Jonathan Shute, Robert Eisinger, Stephanie Cernera, Kwo Wei David Ho, Daniel Martinez-Ramirez, Leonardo Almeida, Aysegul Gunduz, Christina Wilson, Michael Okun, Christopher Hess
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- 320. Comparing the effectiveness of various recruitment methods for a treatment outcome study in hoarding disorder.** Anna Martin, Jessica Zakrzewski, Carol Mathews
- 321. Delayed onset of Horner Syndrome after a stellate ganglion block.** Manish Shah, Shawn Hughes, Rene Przkora

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333. Arl13b localization and function in the olfactory system. Jordan Moretta, Warren Green, Jeremy McIntyre, Jeffrey Martens

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358. Swimming in C. elegans: An experimental model to study the benefits of exercise.

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362. Repeated administration of the designer cathinone and bath salt drug MDPV produces a pro-inflammatory state.

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363. Increased limbic connectivity strength and impaired social interaction, recognition memory, and ultrasonic vocalizations, 24 hours after single MDPV exposure.

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364. In vivo structural abnormalities and increased free water in mice showing increased Abeta42 accumulation.

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- 366. The medial prefrontal cortex is critical for the flexibility necessary for adaptive risky decision-making.** Caitlin Orsini, Sara Heshmati, Shannon Wall, Jennifer Bizon, Barry Setlow
- 367. Differential effects of D2 and D3 dopamine receptor ligands on risky decision-making.** Shelby Blaes, Caitlin Orsini, Megan Spurrell, Jennifer Bizon, Barry Setlow
- 368. Role of Gβγ subunits in amphetamine-stimulated behavior and increase in extracellular dopamine.** Sharonda Harris, Jose Pino, Jocelyn Mauna, Mabel Terminel, Edward Castaneda, Edda Thiels, Gonzalo Torres
- 369. Identification of residues involved in the dopamine transporter-Gβγ interaction and dopamine efflux.** Jose Pino, Mary Cheng, Filippo Pullara, Adithya Gopinath, Kaustuv Saha, Habibeh Khoshbouei, Ivet Bahar, Gonzalo Torres
- 370. The role of gut microbiota in the susceptibility of Parkinson's disease development.** Dimitri Koutzoumis, Jose Pino, Sharonda Harris, Marisol Quiroz, Mansour Mohamadzadeh, Gonzalo Torres
- 371. Piloting neuropsychological device research in an addiction treatment facility.** Benjamin Phalin, Joseph McNamara, Andrew Guzik, Maria Bolshakova, Megan McBride, Dana Mason, Lisa Merlo Greene, Regina Bussing
- 372. Housing status, alcohol consumption and adherence to antiretroviral therapy among people living with HIV in Florida.** Jordan See (MSRP), Ezekiel Ojewale, Joseph Sacht, Cheick Sissoko, Zhi Zhou, Gladys Ibanez, Lisa Agate, Christa Cook, Robert Cook
- 373. Wastewater pharmacoepidemiology: Results of a feasibility study at the stadium.** Chris Delcher, Bruce Goldberger, Amanda Reeves, Dominick Lemas, Clark Collins, Keval Patel, Michelle Duong
- 374. Florida's drug-Related Outcomes Surveillance and Tracking (FROST) System.** Yanning Wang, Bruce Goldberger, Chris Delcher
- 375. Motivations for prescription opioid use by diversion pattern.** Amy Elliott, Jasmine Mack, Kelly Gurka, Catherine Striley, Linda Cottler
- 376. Emergency department (ED) visits, along with medical doctor (MD) visits, greatly increase odds of prescription (Rx) opioid use.** Mirsada Serdarevic, Sadaf Milani, Henry Young, Catherine Striley, Linda Cottler
- 377. Non-medical prescription opioid use and age at first use: Examination of gender differences in youth.** Vicki Osborne, Catherine Striley, Linda Cottler

- 378. Motives for using different patterns and quantity of non-medical use of stimulants.** Yiyang Liu, Catherine Striley, Linda Cottler
- 379. Opioid use in pregnancy: A retrospective review of the incidence, in-hospital length of stay, and the costs associated with treating Neonatal Abstinence Syndrome.** Kimberly Triplett (MSRP), Kay Roussos-Ross
- 380. Assessing pediatric healthcare providers' attitudes on implementation outcomes for a tobacco prevention decision tool: Implications for a conceptual framework.** Ramzi Salloum, Ryan Theis, Diana Lee, Kayla Getz, Evan Johnson, Jacqueline Palmer, Lindsay Thompson
- 381. Assessment of first 100 patients at a family medicine residency chronic pain management program.** Jeffrey Costain, Courtney Jones, Alyson Listhaus, Lesa Gilbert, George Samraj, Siegfried Schmidt
- 382. Gender differences in patterns of marijuana initiation by age among urban, suburban and rural youth in the US.** Shivani Khan, Vicki Osborne, Linda Cottler, Catherine Striley
- 383. Increased incoming diversion among users of both non-medical prescription opioids and sedatives compared to individual users.** Sadaf Milani, Mirsada Sedarevic, Vicki Osborne, Linda Cottler, Catherine Striley
- 384. Simultaneous quantification of actin monomer and filament dynamics with modeling-assisted analysis of photoactivation.** Maryna Kapustina, Tracy-Ann Read, Eric Vitriol
- 385. Persistent somatostatin gene expression treats seizures in a subset of rats with experimental temporal lobe epilepsy.** Gowri Natarajan, Jeffrey Leibowitz, Junli Zhou, Brandi Ormerod, Paul Carney, Michael King
- 386. ChAT-IRES-Cre: An efficient tool for studying the role of cholinergic system in DYT1 Dystonia.** Yuning Liu, Fumiaki Yokoi, Yuqing Li
- 387. Opioid system and restless legs syndrome: A knockout mouse approach to elucidate its role.** Fangfang Jiang, Mark DeAndrade, Shangru Lyu, Yuqing Li
- 388. Dopamine and unc-62 modulate egg-laying deficits of hpo-9 knockout C. elegans.** Shangru Lyu, Atbin Doroodchi, Yi Sheng, Mark DeAndrade, Youfeng Yang, Lanlan Tang, Michael Miller, Rui Xiao, Yuqing Li
- 389. Electromyographic validation of a knock-in mouse model of DYT1 dystonia.** Mark DeAndrade, Amy Trongnetrpunya, Fumiaki Yokoi, Chad Cheetham, Ning Peng, J. Michael Wyss, Mingzhou Ding, Yuqing Li

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397. Abnormalities of the neuromuscular junction in mouse model of CMT1A. Daniel Grey (MSRP), Lucia Notterpek

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399. Identification of genes and pathways mediating human TDP-43 toxicity in transgenic flies. Deepak Chhangani, Lorena de Mena, Nina Prieto, Abel Abraham, Trevor Sterling, Yan Zhang, David Borchelt, Jada Lewis, Pedro Fernandez-Funez, Diego Rincon-Limas

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412. A unique case of posterior cortical atrophy with vertical and horizontal neglect along with mirror movements. Paola Trejo, Usama Tariq, Alicia Parker, Leilani Doty, Kenneth Heilman

413. Autoimmune encephalitis secondary to neuronal ganglionic acetylcholine receptor antibodies. Sarah Rehl, Alicia Parker, Leila Saadatpour, Usama Tariq, Rocio Polanco Fernandez, Hoss Mardani, Leilani Doty, Kenneth Heilman

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443. ER management of seizures following craniotomy: A quality initiative. Will Carlton, Gregory Murad

444. Early venous thromboembolism prophylaxis in Traumatic Brain Injury patients is safe and effective. David Shin, Juan Santiago, Paul Kubilis, Gregory Murad

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503. Oral delivery of genetically modified probiotics expressing Angiotensin-(1-7) confer protection against autoimmune uveoretinitis in mice. Amrisha Verma, Ping Zhu, Zhibing Liang, Qiuhong Li

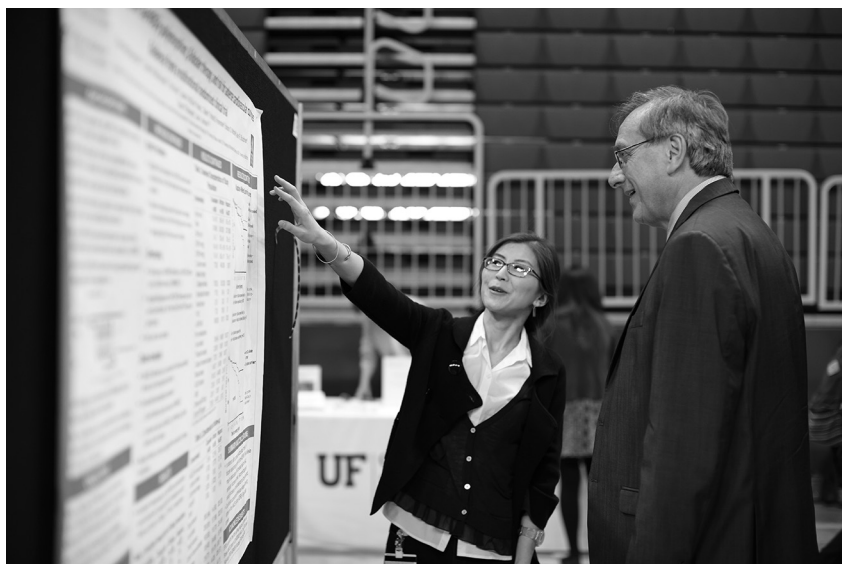
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505. Reduced Optic Atrophy 1 (OPA1) gene expression in diabetic retina: Implication of mitochondrial dynamics in pathogenesis of diabetic retinopathy. Amrisha Verma, Ping Zhu, Tuhina Prasad, Zhibing Liang, Qiuhong Li

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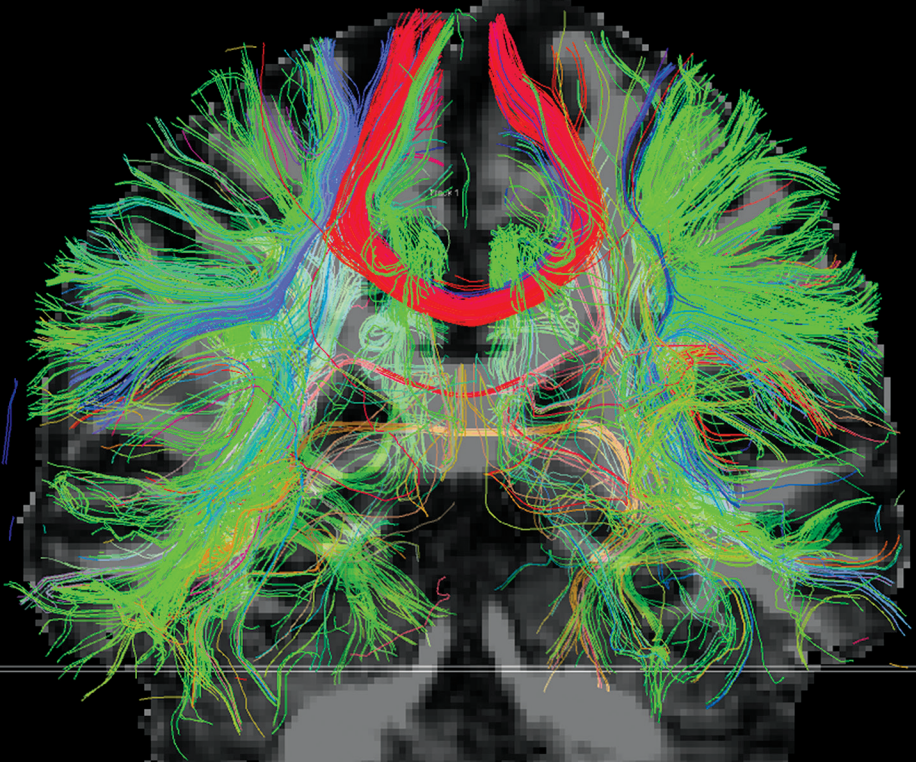
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