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53. **Psychophysical properties of throbbing pain in a human experimental model of pain.** Meggan Jordan, Jenny Holt, Daesung Kang, John Kairalla, Christopher King, Roger Fillingim, Mingzhou Ding, Andrew Ahn

54. **Cerebellar allocentric and action-intentional spatial neglect.** Nicholas Milano, Kenneth Heilman

55. **Improved verbal learning in the semantic variant of primary progressive aphasia when using semantic cues.** Nicholas Milano, Kenneth Heilman

56. **The neurodevelopmental phenotype of spinocerebellar ataxia type 13^{R423H}.** Richard Morse, Michael Raff, Julie Simon, Michael Waters

57. **Characterization of mouse models for DYT1 and DYT6 dystonias.** Janneth Oleas, Fumiaki Yokoi, Mark DeAndrade, Yuqing Li

58. **Differences in repetitive finger movements between patients with Parkinson’s disease, progressive supranuclear palsy, and spinocerebellar ataxia.** Elizabeth Stegemöller, Mark Tillman, Chris Hass, Nikolaus McFarland, S.H. Subramony, Michael Okun

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60. **RAF2 promotes the autophagic degradation of the Amyloid-β peptide.** Yan Zhang, Diego Rincon-Limas, Pedro Fernandez-Funez

61. **In search of an endogenous 'Anti-Alzheimer' molecule.** Ashleigh Price, Joo-In Jung, Lisa Smithson, Brenda Moore, Yufei Tang, Guenther Hochhaus, Thomas Ladd, Gideon Shapiro, Todd Golde, Kevin Felsenstein

62. **LRRK2 phosphorylates novel tau epitopes and exacerbates tauopathy.** Rachel Bailey, Jason Covy, Matthew Hamm, Heather Melrose, Linda Rousseau, Ruth Watkinson, Joshua Knight, Sarah Miles, Matthew Farrer, Dennis Dickson, Benoit Giasson, Jada Lewis

63. **Some properties of the human nociceptor channel, hTRPA1.** Yuriy Bobkov, Elizabeth Corey, Barry Ache

64. **Ubiquilin-1 and -2 are predominantly associated with Huntington inclusions.** Nicola Rutherford, Jada Lewis, Amy Clipping, Michael Thomas, Rosa Rademakers, Jennifer Adamson, Pedro Cruz, Ashley Cannon, Guilian Xu, Dennis Dickson, Todd Golde, Gerry Shaw, David Borchelt, Benoit Giasson

65. **Towards a comprehensive analysis of the role of immune mediators in APP mice.** Paramita Chakrabarty, Andrew Li, Pedro Cruz, Awilda Rosario, Carolina Ceballos-Diaz, Yona Levites, Pritam Das, Todd Golde

66. **Capsid serotype and timing of injection determines rAAV transduction in the neonatal rodent central nervous system.** Paramita Chakrabarty, Zoe Siemienski, Awilda Rosario, Pedro Cruz, Carolina Ceballos-Diaz, Keith Crosby, Todd Golde, Yona Levites

67. **Substrate matters: γ-secretase modulation and processivity.** Joo-In Jung, Pedro Cruz, Thomas Ladd, Thomas Kukar, Edward Koo, Kevin Felsenstein, Todd Golde

68. **PI3K-dependent odorant antagonism in mammalian olfactory receptor neurons.** Elizabeth Corey, Kirill Ukhanov, Barry Ache

69. **Comparative immunophenotyping of transgenic mouse models of CNS proteinopathies.** Keith Crosby, Paramita Chakrabarty, Carolina Ceballos, Benoit Giasson, Jada Lewis, Dave Borchelt, Todd Golde
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133. Modeling diseases in a dish: patient iPSC research in UFCOM. Katherine Santostefano, Naohiro Terada

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138. **Rapid determination of systemic levels of oxalate using a newly developed oximeter.** Bryce Bergeron, Adolph Marmetschke, Nigel Richards, Ammon Peck, Benjamin Canales

139. **Animal model to study long term complication of bariatric surgery.** Benjamin Canales, Bryce Bergeron, Zachary Marmetschke, George Sarosi, Kfir Ben-David, Saeed Khan, Marguerite Hatch, Thomas Carpenter, Sylvia Christakos

140. **Molecular mechanisms of abnormal urine pH in kidney stone disease.** Benjamin Canales, I. David Weiner, Katherine Corboyons, Mary Handlogten, Vincent Bird, Yehia Daaka, Taryn Stoffs, Brian Cleaver, Christopher Monsour

141. **The circadian protein Per1 regulates target gene expression in the kidney through repression of Cry2.** Sean All, George Skopis, Brandy Compton, Nitya Srialluri, Kit-Yan Cheng, Lauren Jeffers, Jacob Richards, Michelle Gumz

142. **The lipid sensor, peroxisome proliferator-activated receptor alpha (PPARα), is a novel target of the circadian protein Per1 in the liver.** Brandy Compton, Sean All, George Skopis, Nitya Srialluri, Kit-Yan Cheng, Jacob Richards, Michelle Gumz

143. **Autoantibodies to Ki antigen (PA28gamma) in systemic rheumatic diseases.** Monika Gonzalez, Yi Li, Wesley Reeves, Paulette Hahn, Michael Bubb, Eric Sobel, Minoru Satoh

144. **Rejection of transplanted lung is associated with excess angiopoitin-2 in plasma.** Satyanarayan Hegde, Juan Salgado, Vipul Patel, Christina Eagan, Pamela Schreck, Farshid Rouhani, Regina Oshins, Mark Brantly, Maher Baz

145. **Activated microglia in the rat hypothalamic paraventricular nucleus are both resident and bone marrow-derived in Ang II induced hypertension.** Monica Santisteban, Jasenka Zubcevic, Seungbum Kim, Jessica Marulanda Carvajal, Michael Zingler, Mohan Raizada

146. **Sirtuin 1-induced autophagy suppresses ischemia/reperfusion injury to mouse liver.** Thomas Biel, Kevin Behrens, Jae-Sung Kim

147. **Limited expansion of myeloid derived suppressor cells in neonatal polymicrobial sepsis.** Alex Cuenca, Angela Cuenca, Lori Gentile, Saleem Islam, David Kays, Linc Moldawer, Shawn Larsson

148. **Fate of patients with spinal cord ischemia complicating thoracic endovascular aortic repair.** Kenneth DeSart, Salvatore Scali, Michael Hong, Robert Feezor, Thomas Huber, Adam Beck

149. **Deficiency Of Tgf-β type I receptor (TBRI) signaling in smooth muscle cells drives aortic dissection and rupture.** Kenneth DeSart, Chunhua Fu, Pu Yang, Scott Berceli, Zhihua Jiang

150. **Evaluation of cell proliferation using BrdU.** Leanne Dumeny, Angela Cuenca, Yao Hu, Kerri O'Malley, Zhihua Jiang, Scott Berceli

151. **The neonatal leukocyte transcriptome can explain adaptive immune suppression and defects in innate immune responses to sepsis.** Lori Gentile, Dina Nacionales, Cecelia Lopez, Alex Cuenca, Erin Vanzant, Lyle Moldawer, Henry Baker, Philip Efron

152. **Successful implementation of a packed red blood cell and fresh frozen plasma transfusion protocol in the surgical intensive care unit.** Jennifer Lanz, Ruth Davis, Huazhi Liu, Annette Rebel, Erin Vanzant, Lori Gentile, Alex Cuenca, Makesha Miggins, Lawrence Lottenberg, Frederick Moore, Lyle Moldawer, Marc Zumberg, Darwin Ang, Peggy Marker, Philip Efron

153. **Sepsis management: a computerized protocol system to improve care process and outcome.** Bruce McKinley, Matthew Sailors, Victoria Klink, Peggy Marker, Lynn Westhoff, Andrea Gabrielli,
154. Defining the phenotype of circulating monocytes following endovascular intervention. Bradley Schmit, Kerri O’Malley, Christian Restrepo, Kenneth Desart, Peter Nelson, Scott Berceli

155. Failure to follow evidence-based, best-practice guidelines in the treatment of severe acute pancreatitis. Adrian Vlada, Bradley Schmit, Jose Trevino, Kevin Behrns, Steven Hughes

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158. Magnetic biomarker harvesting for osteoarthritis diagnosis. Kyle Allen, Elena Yarmola, Zachary Kaufman, Bettina Koziussnik, David Arnold, Jon Dobson


160. TREM-1 modulates expression of mitofusins and promotes macrophage survival. Zhihong Yuan, Dipti Panchal, Mansoor Syde, Myungsoo Joo, Marco Colonna, Ruxana Sadikot

161. Delivery of indoleamine 2,3 dioxygenase to dendritic cells for the induction of tolerance. Evelyn Bracho-Sanchez, Jamal Lewis, Benjamin Keselowsky


163. Genetic regulation of elevated Interferon-α/β responses by Chromosome 1 loci in NOD mice. Sindhu Arivazhagan, Lihui Yuan, Rehan Khan, Rihua Peng, Michael Clare-Salzler


165. The structure of a novel human protein encoded by the G8 gene in the major histocompatibility complex. Sara Diaz de Villegas, Gabriela Maura, Jamal Green, Pablo Plasencia, Shun Lu, David Ostrov

166. Should preoperatively donated autologous blood with positive direct antiglobulin tests be transfused?. Craig Fletcher, Jay Brooks

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175. Regulatory T cell generation through the tolerogenic dendritic cell modulated by S100A8 of invariant NKT cells. Lee Hyeong Woo, Michael Clare-Salzler, Brian Wilson

176. Analysis of cryopreserved cells obtained from Network for pancreatic organ donors with diabetes (nPOD). Irina Kusmartseva, Tiffany Heiple, Kit Fuhrman, Priya Lakshmi, Joanna Fereirra-de Abreu, Todd Brusko, Bart Roep, Clive Wasserfall, Alberto Pugliese, Mark Atkinson, Martha Campbell-Thompson

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180. Multistep regulation of rheumatoid factor B cell activation in the NZM2410 mouse model of lupus. Allison Sang, Laurence Morel


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183. The TNFR family member OX40 controls T follicular helper cell survival and function. Vikas Tahiliani, Tarun Hutchinson, Georges Abboud, Shahram Salek-Ardakani


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186. Determining the function of islet homeostasis protein (iHoP) in a diabetes mellitus mouse model. SehHoon Oh, Paulette Roberson, Alicia Brown, David Sullivan, Bryon Petersen

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188. Generation of a conditional knockout mouse line to investigate the function of connective tissue growth factor in tissue repair. Liya Pi, Ryan Fisk, Srinivas Sriram, Nancy Mao, Paulette Robinson, Daniel Gibson, Edward Scott, Bryon Petersen, Gregory Schultz

189. Examining the roles of clamp loaders during DNA replication and repair in E coli. Lauren Douma, Susan Lovett, Linda Bloom


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395. Determining the UF target population for fertility preservation counseling and care. Alice Rhoton-Vlasak, Caprice Knapp

396. Intrauterine insemination: a survey of prognostic cycle factors and the influence of practioner on pregnancy rates. Carleigh Meehan, Alice Rhoton-Vlasak, Christopher Sistrom

397. Obesity and reproductive health risks: a survey of awareness in medical and non-medical students. Alice Rhoton-Vlasak, Tracy Irani, Erica Odera, Deidra Slough

398. Attributes and barriers to care of pelvic pain in university women. Julie Mann, Jonathan Shuster, Nash Moawad

399. Audit of outpatient diagnostic hysteroscopy for the management of abnormal uterine bleeding. Megan Johnson, Jonathan Shuster, Nash Moawad

400. Liquid chromatography tandem mass spectrometry for clinical toxicology and therapeutic drug monitoring. Marc Rumpler, Lindsay Bazydlo, Timothy Garrett, Bruce Goldberger

401. Aortic root thrombus and myocardial infarction in a child with ANCA-associated vasculitis. Dipankar Gupta, Katherine Rakoczy, Torrey Baines, Melissa Elder, Renee Modica, Renee Vijayan, Sukesh Sukumaran

402. Publication trend and research output of pediatric subspecialties in last two decades. Harish Rao, Satyanarayan Hegde


405. Post-radiation otitis media with effusion: modeling the complication probability and determining the parameters of clinical significance. Niranjan Bhandare, Vitali Moisseenko, William Song, Patrick Antonelli, William Mendenhall


407. Quantification of 3D pulmonary vascular morphology in pediatric patients with pulmonary vascular disease. Walter O'Dell, Satyanarayan Hegde, Sreekala Prabhakaran

408. Burden and health related quality of life among caregivers of patients with pelvic floor disorders. Lindsey Goldstein, Ashkan Akhavein, Lou Moy, Emily Weber-LeBrun, Baharak Moshiree, Atif Iqbal, Emina Huang, Sandra Tan


411. Enhancing medical student surgical education through low cost simulation. Christiana Shaw, William Stone, Sandra Tan


413. Evidence based medicine training in urology residency: pilot testing of web-based modules. Yooni Yi, Molly Neuberger, Lawrence Yeung, Charles Scales, Philipp Dahm

414. Low methodological and reporting quality of randomized controlled trials for devices to treat urolithiasis. Peter Zavitsanos, Vincent Bird, Kathryn Mince, Molly Neuberger, Philipp Dahm

415. UF Center for Addiction Research and Education. Marieta Heaton, Sara Jo Nixon, Joanna Peris

ELECTRONIC POSTERS

Reliability of a novel thoracolumbar marker set to assess running kinematics. Leslie Barnes, Robert Barnes, MaryBeth Horodyski, Bryan Conrad

Does awareness of being observed affect gait? Bryan Conrad, Robert Decker, Amanda Seay, Robert Barnes, Heather Vincent


Hip range of motion correlates with kinematic variables related to elbow valgus torque in baseball pitchers. Andrew Waligora, Bryan Conrad, Giorgio Zeppieri, Trevor Lentz, Kevin Farmer

scAAV-mediated gene transfer of interleukin-1 receptor antagonist to synovium and articular cartilage in large mamamalian joints. Rachael Watson, Ted Broome, Padraic Levings, Patrick Colahan, Steven Ghivizzani

Abrogation of the tumorigenic phenotype in osteosarcoma using epigenetic modifiers and gene specific knock down via RNAi. E.M Viktoria Hyddmark, Padraic Levings, Ali Zarezadeh, Elham Nasri, Steven Ghivizzani, C. Parker Gibbs
Psychological distress in patients with orthopaedic trauma injuries. Robert Barnes, MaryBeth Horodyski, Kalia Sadasivan, Heather Vincent, Bryan Conrad, Kevin Vincent, Leslie Barnes

Comparative psychological distress in acutely injured and healthy runners. Robert Barnes, Leslie Barnes, MaryBeth Horodyski, Bryan Conrad, Heather Vincent, Kevin Vincent

A comparison of motorcycle helmet removal techniques in a rider with suspected cervicothoracic spine injury. Dewayne DuBose, Bryan Conrad, Gianluca Del Rossi, Glenn Rechtine, MaryBeth Horodyski


Targeted, surgeon-directed, single-dose intraoperative radiotherapy for early stage breast cancer: technique and experience. Christiana Shaw, Makesha Miggins, Niranjan Bhandare, Judith Lightsey, Anamaria Yeung, Edward Copeland, Stephen Grobmyer

Differences in fuel utilization in young, middle-aged and older recreationally competitive runners at self-selected speed. Elizabeth Adams, Bryan Conrad, Amanda Seay, Cindy Montero, Kevin Vincent, Heather Vincent

Examination of the effects of hyaluronic acid (HA) viscosupplementation on synovial fluid inflammatory proteins in knee osteoarthritis: potential age and disease severity effects. Heather Vincent, Susan Percival, Bryan Conrad, Amanda Seay, Cindy Montero, Kevin Vincent

Maximal leg strength gains on pain and physical function in concentrically and eccentrically resistance-trained patients with knee osteoarthritis. Daniel Chen, Cindy Montero, Amanda Seay, Heather Vincent, Kevin Vincent

Suprapatellar versus standard approach to intramedullary fixation of tibial shaft fractures. Dane Iams, Richard Vlasak, Sonya Tang, MaryBeth Horodyski, Mark Scarborough, Scott Myers, C. Parker Gibbs, James McFadden