1. **Reconstitution of CD4 T Cells Causes Cardiac Fibrosis and Myocardial Dysfunction in T Cell Specific S1P Receptor 1 Deficient Diabetic Mice.** Chowdhury Abdullah and Zhu-Qiu Jin; SDSU Department of Pharmaceutical Sciences.


3. **Probing the Nuclear Pore Complex with BioID.** Benjamin Benson Dae In Kim, Birendra KC, Wenhong Zhu, Khatereh Motamedchaboki, Valérie Doye, and Kyle Roux; Sanford Children’s Health Research Center.

4. **Aspirin and Salicylic Acid Decrease c-Myc Expression in Cancer Cells: A Potential Role in Chemoprevention.** Guoqiang Ai, Rakesh Dachineni, Pratik Muley, Hemachand Tummala, and Jayarama Gunaje; SDSU Department of Pharmaceutical Sciences.


6. **A Novel Porcine Model of Ataxia Telangiectasia Displays Neurological Features and Motor Deficit of Human Disease.** Rosanna Beraldì, Chun-Hung Chan, David Meyerholz, Christopher Rogers, Jill Weimer, Attila Kovács, Benjamin Darbro, Brian Dacken, and David Pearce; Sanford Children’s Health Research Center.

7. **Split Molecular Clamp.** Daniel Boamah and Suvobrata Chakravarty; SDSU Department of Chemistry & Biochemistry.

8. **Adsorption of Creatinine on Active Carbons with Nitric Acid Hydrothermal Modification.** Yuhe Cao, Keliang Wang, Xiaomin Wang, Zhengrong Gu, Tyler Ambrico, Maria Andrea Castro, and James Rice; SDSU Department of Agricultural & Biosystems Engineering.

9. **A Novel Mouse Model for the Identification of Thioredoxin-1 Substrates.** Michelle Booze, Peter Vitiello; Sanford Children’s Health Research Center.

10. **Comparison of the Energetics of Histone Peptide Binding among Histone Readers.** Suvobrata Chakravarty and Francisca Essel; SDSU Department of Chemistry & Biochemistry.

11. **Ignite: Community Based Participatory Research (CBPR) Model in preventing overweight and obesity among 6th-8th grade youth.** Biyi Chen and Kendra Kattelmann; SDSU Department of Health & Nutritional Sciences.


13. **Cyclin A2 and CDK2 as Novel Targets of Aspirin and Salicylic acid: A Potential Role in Cancer Prevention.** Rakesh Dachineni, Guoqiang Ai, D. Ramesh Kumar, Satya Sai Sadhu, Hemachand Tummala, and Jayarama Gunaje; SDSU Department of Pharmaceutical Sciences.


15. **Sanford Research Imaging Core.** Kelly Graber, Indra Chandrasekar, and Jill Weimer; Sanford Research.

16. **Topical Delivery of 4-Hydroxy Tamoxifen to the Breast.** Fahd Elsharif and Omathunu Perumal; SDSU Department of Pharmaceutical Sciences.


20. CRISPR/Cas9 Gene Disruption in Primary Bone Marrow Macrophages. Lu Huang, George Opoku-Kusi, Jason Kerkvliet, and Adam Hoppe; SDSU Department of Chemistry & Biochemistry.

21. iGrow Readers: A Literature-Based Nutrition and Physical Activity Program for Young Children. Emily Huber, Mary Bowne, Mollie Loes, Suzanne Stluka, Karlys Wells, Kendra Kattelmann, and Jessica Meendering; SDSU Departments of Health & Nutritional Sciences and Teaching, Learning & Leadership.


25. The Mechanism by which Notch Signaling Suppresses Renal Cysts and Microadenomas likely Involves Primary Cilia. Malini Mukherjee, Justin Grassmeyer, and Kameswaran Suresh; Sanford Children's Health Research Center.


28. Loss of Peripheral Protection in Pancreatic Islets by Proteolysis Driven Impairment of VTCN1 (B7 H4) Presentation is Associated with the Development of Autoimmune Diabetes. Iliyan Radichev, Lilia Maneva-Radicheva, Christina Amatya, Maryam Salehi, Jacob Ellefson, and Alexei Savinov; Sanford Project, Children's Health Research Center.

29. Curcumin-Eudragit® EPO (CEMCs) Molecular Engineering as a Strategy for Enhancing the Solubility, Stability and Bioavailability of Curcumin. Siddharth Kesharwani, Sunny Kumar, Himanshi Mathur, Mohit Tyagi, G. Jayarama Bhat, and Hemachand Tummala; SDSU Department of Pharmaceutical Sciences.

30. Physical Activity and Sedentary Time Behaviors in Meal Replacement Program Participants. Hope Kleine, A Drooger, L McCormack, K Kattelmann, S Stluka, and JR Meendering; SDSU Department of Health & Nutritional Sciences.

31. Services of the Tumor Biology Core Facility. Amanda Schaefer and Diane Maher; Sanford Cancer Biology Research Center.

32. Local Iontophoretic Delivery to the Breast. Mibin Kuruvilla Joseph, Saiful Islam, and Omathanu Perumal; SDSU Department of Pharmaceutical Sciences.

33. Phenotypic Analysis of Murine Fetal Liver Macrophages by Flow Cytometry. Maxim Lebedev, Jason Kerkvliet, Adam Hoppe, and Natalie Thiex; Departments of Biology and Microbiology and Chemistry & Biochemistry.

35. Synthesis and Biological Screening of Novel Estrone Analogs towards Treatment of Hepatocellular Carcinoma. Mater Mahnashi and Fathi Halaweish; SDSU Department of Chemistry & Biochemistry.


38. Services and Equipment of Sanford Research Molecular Biology Core Laboratory. Samuel Dooyema and Haotian Zhao; Sanford Children’s Health Research Center.


41. The Regulatory Role of VISTA-Expressing Cells in Induction of Immune Tolerance. Maryam Salehi, Ilian Radichev, and Alexei Savinov; Sanford Project, Children’s Health Research Center.

42. CRISPR/Cas9 Gene Disruption in Primary Bone Marrow Macrophages. George Opoku-Kusi, Jason Kerkvliet, Lu Huang, and Adam Hoppe; SDSU Department of Chemistry and Biochemistry.

43. In Vivo Evaluation of the Celecoxib and Dacarbazine Drug Combination on the Inhibition of Melanoma Growth and Metastasis. Satya Sai Sadhu, Ranjith Averineni, and Xiangming Guan; SDSU Department of Pharmaceutical Sciences.

44. Detection of L1 Insertions In Situ using Target-Primed Rolling Circle Amplification. Partha Saha, and Wenfeng An; SDSU Department of Pharmaceutical Sciences.


46. Imaging Sub-Diffraction Membrane Bending Dynamics during Clathrin-Mediated Endocytosis. Brandon Scott, Elizabeth Bailey, Jason Kerkvliet and Adam Hoppe; SDSU Department of Chemistry & Biochemistry.

47. The Vitamin D – Calcium Link in Prevention of Obesity and Diabetes. Igor Sergeev; SDSU Department of Health & Nutritional Sciences.

48. Systemic Analysis in Biomedical and Health Research: Logical Concept. Boris Shmagin, Donald Auger, and Matthew Biesecker; SDSU Department of Agriculture and BioSystem Engineering.

49. A New Variant of BioID to Identify Protein-Protein Associations in Live Cells. Gaya Shivega, Dae In Kim, Samuel Jensen, Kyle Noble, Birendra KC, Ruthellen Anderson, Khatereh Motamedchaboki, and Kyle Roux; Sanford Children’s Health Research Center.

50. CSF-1 Receptor Expression, Degradation, and Signaling in Lipid-Laden Macrophages. Gregory Thompson and Natalie Thiex; SDSU Department of Biology and Microbiology.


52. Identifying Human Islet miRNAs Associated with β Cell Loss in a Humanized Mouse Model. Regan Roat, Munir Hossain, Jenica Christopherson, Colette Free, Shalini Jain, Claudiane Guay, Romano Regazzi, and Zhiguang Guo; Sanford Project, Children’s Health Research Center.


55. Multivariate Analysis of Multilevel Data. Paul Thompson and Kurt Griffin; Sanford Center for Health Outcomes and Prevention Research and Sanford Clinical Research.


57. Active Fabry-Perot Optical Bio-Sensors. Qi Hua Fan, Maheshwar Shrestha, Max Hanson, and Nezam Uddin; SDSU Department of Electrical Engineering & Computer Science.


59. The Collecting Duct Principal Cell Fate Selection Mediated by Notch/RBPJ Signaling Involves Hes1 Mediated Activation of Elf5 Expression. Jennifer Williams, Justin Grassmeyer, Malini Mukherjee, and Kameswaran Surendran; Sanford Children's Health Research Center.

60. Comparison of OpenEye and Autodock in Molecular Binding Affinity. April Moy, John Apraku, Subhash Chauhan, and Fathi Halaweish; SDSU Department of Chemistry & Biochemistry.

61. Effects of alpha7 nicotinic acetylcholine receptor positive allosteric modulator on microglia BNFN expression following LPS-induced neuropathic pain in mice. Muzaffar Abbas, Shafiqur Rahman; SDSU Department of Pharmaceutical Sciences.