

Abstracts

Cardiology

1. **“Dusp26 is a negative regulator of insulin release from pancreatic β -cells”**
Renan Lima, Ankit Gilani, Nicolas Gomez-Banoy, Rebecca Whitehouse, Steve Gygi, James Lo
2. **“NAD⁺ Repletion ameliorates obesity induced Atrial Fibrillation”**
Lisa Stoll, Paul Zumbo, Qiuying Chen, Odin Schaepekens, Yue Yang, Elizabeth Ha, James E. Ip, Maiko Matsui, Bruce Lerman, Geoffrey Pitt, Doron Betel, Steven Gross, James C. Lo
3. **“Utilizing Telehealth Counseling Sessions to Improve the Process and Delivery of Secondary Preventive Care for Women with Atherosclerotic Cardiovascular Disease”**
Krista Zachariah, Dalia Steitieh, Danielle Newbury, Liam Sassler, Nupoor Narula, Nivee Amin
4. **“Inhibition of an adipose obesity-induced kinase as a disease modifying target for type 2 diabetes”**
Ankit Gilani, Benjamin Stein, Anne Hoffman, Renan Pereira de Lima, Elizabeth E. Ha, Edwin A. Homan, Lunkun Ma, Alfonso Rubio-Navarro, Tint Tha Ra Wun, Gabriel Jose Ayala Carrascal, Bhavneet Bhinder, Adhideb Ghosh, Falko Noé, Olivier Elemento, Christian Wolfrum, Matthias Blüher, James C. Lo

Endocrinology, Diabetes & Metabolism

5. **“Opportunistic Evaluation of Bone Texture from Clinical MRI Scans Predicts Skeletal Complications Following Spine Fusion Surgery”**
Shreya Addepalli, Alison Heilbronner, Asher Lal, Olivia Blumberg, Matthew Koff, Ryan Breighner, Quinton E Wright, Donald J. McMahon, Jeri W. Nieves, Emily Margaret Stein
6. **“Sex dichotomous diabetes impact of acute Grp78 deletion in beta cells of adult mice”**
Joshua Burton, Thalia Castro, Alison Juray, Hibo Hassan, Hillary Diaz Mosquea, Rohit Sharma, Laura Alonso
7. **“Bone Phenotype by High Resolution peripheral Quantitative Computed Tomography Predicts Skeletal Complications After Spinal Fusion Surgery”**
Anna Jepson, Alexander Dash, Madeleine Wood, Alison Heilbronner, Ryan Breighner, Richard S. Bockman, Han Jo Kim, Matthew E Cunningham, Danielle Whittier, Steven K. Boyd, Donald J. McMahon, Jeri W. Nieves, Emily Margaret Stein
8. **“Carbohydrate-Last Food Order Lowers Postprandial Glucose and Insulin Excursions in Type 2 Diabetes”**
Ampadi Karan, Rohit Sharma, Tara Doma Lama, Alice S. Zhao, Zoe Verzani, Katie C. Hootman, Laura C. Alonso, Louis J. Aronne, Alpana P. Shukla

Global Health

9. **“A Effects of Schistosoma mansoni and Other Gastrointestinal Infections on the Immune Response to Oral Poliovirus Vaccine in Tanzania”**
Alexandra A. Cordeiro, Oraine B.L. Campbell, Lars F. Westblade, Myung Hee Lee, Jennifer A. Downs
10. **“Adherence to Antiretroviral Therapy and Associated Barriers Among Adolescents and Young Adults Living with HIV in Haiti”**
Nao Haba, Rose Cardelle Riche, Genevieve Hilaire, Daniel Fitzgerald, Margaret McNairy, Vanessa Rouzier, Lindsey Reif
11. **“Blood pressure trajectories among adults living in extreme poverty: a population based cohort in Port-au-Prince, Haiti”**
Anju Ogyu, Vanessa Rouzier, Rodney Sufra, Reichling St Sauveur, Kelly Celestin, Guyrlaine Forestal, Fabyola Preval, Mirline Jean, Suzanne Marcelin, Auguste Sarine, Myung Hee Lee, Catherine Bennett, Wheytnie Alexandre, Kenneth A Jamerson, Monika M Safford, Marie Deschamps, Jean William Pape, Lily D Yan, Margaret L McNairy
12. **“Violence, War Trauma and Protracted Forced Displacement are Associated with Healthcare Violence Among Syrian Refugee Women: Findings from a Cross-Sectional Study in Beirut, Lebanon”**
Hiba Shaqra, Jennifer Downs, Daniel Fitzgerald, Sasha Fahme

13. **“Gut Mucosal Immune Signatures in Schistosoma mansoni-Infected and Uninfected Tanzanians and Healthy Europeans”**
Friederike Sonnet, KA Stam, S Azimi, E Miyaye, K Pham, M Yazdanbakhsh, JA Downs
14. **“Analyzing the temporal dynamics of ambulatory blood pressure and relationship to sleep quality and HIV”**
Sara Venkatraman, Myung Hee Lee, Robert Peck, Megan Willkens, Saidi Kapiga, Ana Krieger, Godfrey Kisigo
15. **“Ambulatory Blood Pressure Patterns and Left Ventricular Mass Index in Tanzanian Adults Living with and without HIV”**
Megan Willkens, Benson Issarow, Anthony O Etyang, Salama Fadhil, Cody Cichowitz, Philip Ayieko, Godfrey Kisigo, Sara Venkatraman, Ana Krieger, Richard Devereux, Paul Muntner, Myung Hee Lee, Saidi Kapiga, Robert Peck
16. **“Polluting charcoal cooking fuel: an emerging modifiable risk factor for heart disease in Haiti”**
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Gastroenterology & Hepatology

17. **“Submitochondrial Protein Translocation in Thermogenic Regulation”**
Fahrettin Haczeyni, James M. Jordan, Benjamin D. Stein, Sandra Steensels, Le Li, Vincent Dartigue, Selenay S. Sarklioglu, Jixuan Qiao, Xi K. Zhou, Andrew J. Dannenberg, Neil M. Iyengar, Haiyuan Yu, Lewis C. Cantley, and Baran A. Ersoy
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19. **“A neuronal-epithelial circuit promotes intestinal immunity”**
Elizabeth Randolph Emanuel, Wen Zhang, Hiroshi Yano, Jazib Uddin, Stephen Gaudino, Zili Xie, Hiroshi Ichise, Zhen Wang, Maureen N. Cowan, Mengze Lyu, Xiaoxiao Hou, Peng Zeng, Elin Hu, Victoria Ribeiro de Godoy, Alex Grier, Nina Estep, Julien R. Ishibashi, Stephanie Anover-Sombke, Peter J. Skene, Toufic Mayassi, Ramnik J. Xavier, Ronald N. Germain, Anna-Maria Globig, Maximilian Heeg, Ananda W. Goldrath, Brian Kim, Hongzhen Hu, David Artis
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Alessandra Madigan Fraim, Xinrui Li, Zeynep Ugurlu, Baran A. Ersoy
21. **“A Microbiota-Neuronal Axis Mediates Dietary Control of Obesity”**
Mashhura Nurilloeva, Elin Hu, Marissa A. Fontaine, Hiroshi Yano, Frank C. Schroeder, David Artis, Mohammad Arifuzzaman
22. **“Innate lymphoid cells activated by TL1A link colitis with emergency granulopoiesis and drive tumor promoting colonic neutrophils”**
Sílvia Pires, Wei Yang, Sofia Frigerio, Cynthia Louis, Chloe Scott, Yu Lin Zhou, Emre Cardakli, Nancy Tran, Mina Hassan-Zahraee, Zhan Ye, Craig Hyde, Kenneth Hung, Amanda Chen, Charles Ng, Alexander Grier, JRI Live Cell Bank, Dana Lukin, Ellen Scherl, Stephan R. Targan, Gretchen Diehl, Joep Grootjans, Tracy L. Putoczki, Ian Wicks, Randy S. Longman
23. **“Nephronectin promotes type-2 immunity in the gut”**
Sophia Qu, Lexi Tempera, Hiroshi Yano, Elizabeth R. Emanuel, David Artis, Gregory F. Sonnenberg
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Nancy Tran, Pires, Silvia; Scott, Chloe; Yang, Wei; Cardakli, Emre; Ericsson, Caroline; JRI Live Cell Bank Consortium; Longman, Randy S
25. **“Immune Modulation of Enteric Neurogenesis Regulates Intestinal Inflammation”**
Jazib Uddin, Victoria Ribeiro de Godoy, Christopher N Parkhurst, Wen Zhang, David Artis
26. **“The skin-gut axis in IBD: probing a poly-organ neuronal circuit that predisposes to chronic inflammation in multiple tissues”**
Hiroshi Yano, Xueming Hu, Jazib Uddin, Wen Zhang, Hisato Iriki, Zhen Wang, Hongzhen Hu, Brian S. Kim, David Artis

27. **"The IRE1 α /XBP1 pathway promotes anti-helminth immune response of ILC2"**
Peng Zeng, David Artis
28. **"Innate lymphocytes regulate inflammation and physiology in the gut via dopamine"**
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Zane Gouda, Muhammad Usman Baig, Kate E. Johnson, Ali Lahooti, Hakan Gelincik, Sean Rangwani, Zuhair Al-Bakaeen, Chino Aneke-Nash, Mohannad Al-Bakain, Sanad Haddad, Carolyn Newberry, Mark Hanscom, Kartik Sampath, SriHari Mahadev, David Carr Locke, Reem Sharaiha

General Internal Medicine

30. **"Score to Protect: Enhancing Anticoagulation in Atrial Fibrillation"**
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Srija Gogineni, Shreya Chitnavis, Vivienne Lin, Stephanie Sirna, Ashlesha Dayal, Jyoti Mathad, Radhika Sundararajan, Puja Chebrolu
33. **"Does Loneliness Increase Our Risk of Dying? Findings from the REGARDS Study"**
Cheyenne Acker, Ghislaine Jumonville, Madeline R. Sterling, C. Barrett Bowling, Virginia J. Howard, Monika M. Safford, Laura C. Pinheiro
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Lauren Callans, Nicole Ng, Russell Rosenblatt
35. **"Insulin deficiency predicts early postpartum type 2 diabetes in Indian women with gestational diabetes"**
Puja Chebrolu, Mallika Alexander, Shilpa Naik, Megh Prajapati, Aditi Kole, Priyanka Raichur, Samhita Bellamkonda, Sanjaykumar Tambe, Vandana Kulkarni, Prasad Deshpande, Myung Hee Lee, Sara Venkatraman, Daniel W Fitzgerald, Todd T Brown, Chittaranjan S Yajnik, K M Venkat Narayan, Jyoti S Mathad
36. **"Evaluating a Pilot STEM Day to Increase Student Interest in Cancer Education and STEM Careers in Persistent Poverty Urban Settings (The CARES4You Study)"**
Pranya Gaddipati, Alia Komsany, Stephanie Rogers, Mary Beth Terry, Rosio Ramos, Orsysa Soroka, Jasmine McDonald, Tashara Leak, Jared Fox, Erica Phillips
37. **"Prevalence and Temporal Trends in Beta-Blocker Use in the U.S. Adult Population"**
Hashemi Ashkan, Kristi Chau, Omar Zainul, Kyle Lapenna, Morgan Smith, Parag Goyal
38. **"HPV Vaccine Acceptability and Cancer Prevention Behaviors Among Arab American Young Adults (18–26): A Mixed Methods Study"**
Alia Komsany, Sarah Young, Orsysa Soroka, Laura Pinheiro, Perla Chebli, Rahma Ibrahim, Erica Phillips
39. **"Characterizing Outcomes and Donor Characteristics of Liver Transplant Recipients with High Number of Donor Inquiries"**
Nicole Ng, Lauren Callans, Russell Rosenblatt
40. **"Association Between Geriatric Assessment Variables and Treatment Completion in Older Adults with Triple-Negative Breast Cancer Receiving Neoadjuvant Chemotherapy and Immunotherapy: The MSKCC Experience"**
Nikita A. Sareen, Kulkarni, D. Lake, C. White, Y. Chen, K. Alexander, L. Norton, M. Robson, J. Singh

Hematology & Medical Oncology

41. **“Prostate specific antigen (PSA) screening from fingerstick blood: From validation of a point-of-care (POC) test to implementation”**
Abdul Baseet Arham, Balaji Srinivasan, Antra Ganguly, David Erickson, Zhen Zhao, Zhengming Chen, Alfred Winkler, Douglas S. Scherr, Jim C. Hu, Christopher Barbieri, Ana Molina, Cora N. Sternberg, Scott Tagawa, Joseph Osborne, Erica Phillips, Saurabh Mehta, David M. Nanus
42. **“Targeting the Undruggable: First-in-Class Molecular Glue Degraders for lethal Prostate Cancer”**
Cheuk Man (Cherie) Au, Michelle Naidoo, Catrina Estrella, Kiran Kumari Sahu, Prerna Vatsa, Ying Wang, Zhao Wang, David M. Nanus, Urko del Castillo, Paraskevi Giannakakou
43. **“Precision Tracking of Peptide Receptor Radionuclide Therapy Response Using Circulating Tumor DNA in Gastrointestinal Neuroendocrine Tumor Patients”**
Christina Bogdani, Anita Karimi, Richard Li, Emily C. Atkinson, Paul E. Oberstein, Despina Siolas
44. **“A multiplex CRISPR system enables interrogation of combinatorial genetic perturbations in prostate cancer”**
Ryan Chaffee, Ryan N. Serio, Lise M. Brault, Domenic V. Gargiulo, Billy Lu, Steven G. Persaud, Megan C. Jibilian, Lizzie Kaminoff, Francesca Z. Jereis, Dawid G. Nowak
45. **“CAR-T Cells Directed to Mutant Calreticulin Eliminate Myeloproliferative Neoplasm Stem Cells”**
Daniel C Choi, Giovanni Medico, Giorgio Inghirami, Joseph Scandura
46. **“SWI/SNF Remodeling Complexes Influence 3D Chromatin Organization Through the Regulation of CTCF and Cohesin Binding”**
Sonia Debek, Cem Meydan, Christopher R. Chin, Ceyda Durmaz, Ioanna Tsiailta, Constance Maurer, Arnold Ou, Benedikt Pelzer, Rui Wu, Jose Luis Marin Rubio, Christopher E. Mason, Kojo S. J. Elenitoba-Johnson, Viviana I. Risca, Ari Melnick, Darko Barisic
47. **“Genomic Determinants of BTK Inhibitor Resistance: The Role of IKZF3 and CARD 11 in CLL/SLL”**
Rebecca Denson, Meghan Thompson
48. **“The Role of the Epichaperome in T Cell Dysfunction in Acute Myeloid Leukemia”**
Lauren Herschbein, Kata Alilovic, Gabriela Chiosis, Gail J. Roboz, Monica L. Guzmán
49. **“Long-term adverse events (AEs) in PSMA targeted radionucleotide therapy (TRT) for castration-resistant prostate cancer (CRPC)”**
Aaron Holmes, Abdul Baseet Arham, Maham Fatima, Sara Bleve, Pier Vitale Nuzzo, Tobechukwu Okobi, Gabriel Raab, Rachel Geisel, Valentina Marulanda Corzo, Amie Patel, Charlene Thomas, Zachary Davidson, Jones Nauseef, Ana Molina, Cora N. Sternberg, David M Nanus, Joseph Osborne, Neil Harrison Bander, Scott T. Tagawa
50. **“Phase I/II Dose-Escalation Study of Fractionated and Multi-Dose 225Ac-J591 in Metastatic Castration-Resistance Prostate Cancer”**
Samuel Francis Ruder, Charlene Thomas, Amie Patel, Jon Ardit, Escarleth Fernandez, Issa Castaneda, Zachary Davidson, Sandra Huicochea Castellanos, Jones T. Nauseef, Cora N. Sternberg, Ana Molina, David M. Nanus, Joseph R. Osborne, Neil H. Bander, Scott T. Tagawa
51. **“Novel Strategies to Overcome TKI Resistance in Oncogenic RTK Fusions”**
Urko del Castillo Rojo, Kiran Kumari Sahu, Inês Mota, Paraskevi Giannakakou
52. **“Distinct mutant Kras alleles promote diverse immune landscapes in pancreatic cancer”**
Huanhuan Sun, Andrew Wenger, Mayar Abdelalim, Nora Rahimian, Whitney Sisso, Maria Paz Zafra, Erika Hissong, Lukas Dow, Despina Siolas
53. **“Investigating the Impact of Liver Metastases on Systemic Immunity in Colorectal Cancer”**
Andrew Wenger, Jeremy Goc, Sandipto Sarkar, Erika Hissong, Gregory Sonnenberg, Despina Siolas, Manish A. Shah
54. **“Comprehensive Clinical Outcomes in Stage IV EGFR+ NSCLC by PD-L1 Level”**
Jonathan W Lee, Xiao Jin, Stephanie Bogdan, Ayman Abou-Alfa, Josephine W Chang, Michael Rafizadeh, Eric C Kang, Christine A. Garcia, Xi Kathy Zhou, Ashish Saxena

Infectious Diseases

55. **"On-time injection adherence and persistence among people with HIV on long-acting cabotegravir/rilpivirine"**
Yotam Arens, Sharan Yadav, Elizabeth Lee
56. **"Within-subtype HIV-1 polymorphisms and their impacts on Intact Proviral DNA Assay (IPDA) for viral reservoir quantification"**
Mohith Reddy Arikatla, Jyoti S. Mathad, Kavidha Reddy, Nicole Reddy, Thumbi Ndung'u, Kathryn Dupnik, Guinevere Q. Lee
57. **"Effect of Antibiotic Suppression for Prosthetic Valve Endocarditis on Recurrence Rates"**
Catherine Cai, Michael Hovan, Catherine Ng, Zoe Verzani, Barry J. Hartman, Harjot K. Singh
58. **"Colonization with Fluoroquinolone-Resistant Streptococcus mitis-oralis Group Prior to Hematopoietic Cell Transplantation and Subsequent Streptococcal Bacteremia"**
Lee Gottesdiener, Supram Hosuru Subramanya, Jamie Marino, Juliet Barker, Tsiporah Shore, Rosemary Soave, Markus Plate, John Lee, Barry Kreiswirth, Casey Cazer, Lars Westblade, Michael Satlin
59. **"Colonization with fluoroquinolone-resistant Enterobacterales in hematopoietic cell transplantation is associated with alterations in the enteric microbiome and increased risk of bloodstream infection"**
Grace Anne Maldarelli, Jamie Marino, John Lee, Lars Westblade, Michael Hovan, Claire Douglass, Emily Davidson, Randy S. Longman, Michael J. Satlin
60. **"A rapid molecular test to detect carriage of ESBL-producing Enterobacterales in neutropenic patients"**
Jamie Marino, Jessica Ozer, Catherine Liu, Alison Freifeld, Sarah B. Doernberg, Samuel Shelburne, Stefanie Marxreiter, Amy Davis, Andy Hemmert, Lars Westblade, Michael Satlin
61. **"Patient-Directed Discharge in Drug Use-Associated Endocarditis in a National Medicaid Cohort"**
Fiona Elizabeth Gispén, Ken Karan, Yuhua Bao, Ximena Levander, Elaine Werthington, Todd Korthuis, Benjamin Eckhardt, Shashi Kapadia
62. **"Characterizing Substance Use in Older People Living with HIV"**
Carrie Johnston, Shu Zhang, Charlene Thomas, Marshall Glesby, Eugenia Siegler
63. **"Ceftolozane-Tazobactam as Primary Treatment of Pseudomonas aeruginosa Bacteremia and Pneumonia in Patients with Hematological Malignancies and Hematopoietic Stem Cell Transplant Recipients"**
Markus Plate, Britta Witting, Alexander Drelick, Jessica Ozer, Ola Kiszka, Gabriel Vidal, Sebastian Mayer, Tsiporah Shore, Marisa La Spina, Lars Westblade, Thomas Walsh, Michael Satlin, Catherine Butkus Small
64. **"Investigation of an Immunomodulatory Intervention to Clear HIV In the Central Nervous System"**
Thomas A. Premaux, Benjamin Varco-Merth, Afam A. Okoyea, Lishomwa C. Ndhlovu
65. **"Detection of viral-human chimeric mRNA transcripts in donors living with HIV-1"**
Peyton Smith, Nancy Francoeur, Yanqin Ren, Gintaras Deikus, Colin Kovacs, Robert Sebra, R. Brad Jones, Marina Caskey, Melissa Smith, Guinevere Q. Lee

Nephrology & Hypertension

66. **"Socioeconomic factors impacting aspirin adherence and preeclampsia development in high-risk pregnant patients"**
Shannon Arnold, Line Malha
67. **"Intestinal Cyp24a1 regulates vitamin D locally independent of systemic regulation by renal Cyp24a1 in mice"**
Michaela A.A. Fuchs, Alexander Grabner, Melody Shi, Susan L. Murray, Emily J. Burke, Nejla Latic, Venkataramana Thiriveedi, Jatin Roper, Shintaro Ide, Koki Abe, Hiroki Kitai, Tomokazu Souma, Myles Wolf
68. **"Comparison of 162mg versus 81mg Aspirin for Prevention of Preeclampsia (ASAPP): A Randomized Controlled Trial"**
Line Malha, Amrin Khander, Charlene Thomas, Kathy Matthews, Paul Christos, Claire Alcus, Tanvir Alam, Leah Bush, Diksha Deshmukh, Stephen T. Chasen, Laura E. Riley, Daniel W. Skupski, Phyllis August

Pulmonary & Critical Care Medicine

69. "PCSK6 Associates with Survival and Fibrosis Extent in Idiopathic Pulmonary Fibrosis but Not Other UIP-Pattern ILDs"

Kristin N. Berger, Sam Konkol, Shwu-Fan Ma, William Whalen, Will Simmons, Chitra Joseph, Imre Noth, Yong Huang, Justin Oldham, Christopher A. Moskaluk, David Lynch, Stephen Humphries, John S. Kim, Anna J. Podolanczuk

70. "Collagen Turnover in the Peri- Parturition Period"

Jacob Aronin, Monika Pandey, Christina Signoretti, Michael J. Podolsky

71. "Uncovering the Inflammation-Dependent Lymphatic Factor: Molecular Mechanisms of Lung Lymphatic Flow Augmentation during Acute Lung Injury"

Chou Chou, Camila Ceballos Paredes, Barbara Summers, Jade Palmer-Johnson, Anjali Trivedi, Aneel Bhagwani, Kasper B. Hansen, Anders S. Kristensen, Stefka Gyoneva, Sharon A. Swanger, Stephen F. Traynelis, Hasina Outtz Reed

72. "Tuberculosis emerges as a leading risk factor for COPD in a comparative cohort of people with and without HIV in East Africa"

Jonah Kreniske, Anthony Kaji, Christina Myalla, Grace Ruselu, Robert Kaner, Daniel F. Fitzgerald, Jerry Zifodya, Robert N. Peck

73. "Endothelial RIPK3 Preserves Lung Barrier Function via TIE2 Signaling"

David Price, Copeland P., Choi A.M.C., Rafii S.

74. "Feasibility of Training Medical Assistants as Health Coaches for Patients Living with COPD"

Anna Tharakan, Caroline M Zhang, Kerri I Aronson, Monika Safford, Sarah R Young, Jamuna K Krishnan

75. "Novel mouse models to study pulmonary lymphatics"

Aneel Roy Bhagwani, Anjali Trivedi, Chou Chou, Barbara Summers, Chlosterne Lakouetene, Hasina Outtz Reed

76. "Blood Endothelial Cell Proliferation Marks Early Vascular Remodeling in Elastase-Induced Emphysema"

Anjali Trivedi, Aneel Roy Bhagwani, Chou Chou, Barbara Summers, Chlosterne Lakouetene, Hasina Outtz Reed

77. "Endotypes and Mediators of Extrapulmonary Organ Dysfunction in Influenza"

David G Thomas, Jianjun Yang, Soo Jung Cho, Robert E. Schwartz, Edward J. Schenck, Heather Stout-Delgado

78. "SEL1L Downregulation Promotes Pathological Collagen Accumulation in Lung"

Monika Pandey, Afaq. H. Beigh, Benjamin Kheifets, Jacob Aronin, Michael J. Podolsky

Rheumatology (Hospital for Special Surgery)

79. "Machine Learning Model Incorporating Baseline and Early Follow-up Clinical Data Predicts 52-Week Cutaneous Outcomes in Systemic Sclerosis"

Kimberly S. Lakin, John Spivack, Jessica K. Gordon, Dana E. Orange, Robert F. Spiera

80. "Physical activity patterns and health-related quality of life in middle-aged and older adults with systemic lupus erythematosus"

Sarah B. Lieber, Neha G. Nagpal, Julia Nguyen, Ashley Chung, Princess Asante, Dongmei Sun, Iris Navarro-Millán, M. Carrington Reid, Lisa A. Mandl