2025 Retreat Poster Assignments

1. Harshita Beeravolu, Angela Hettinga, Rebecca A. Elsner, Hridesh Banerjee, Kun He, Yibo Zheng, Abigail N. Berrios, Samantha L. Grimes, Shivani D. Pandya, Sebastian Gringas, Mark J. Shlomchik, Lawrence P. Kane, Amanda C. Poholek

Prdm1-associated non-coding regulatory elements drive blimp-1 expression in a context- dependent and cell-type specific manner.

2. Alyssa M. Juergens, and Robert J. Binder

Transcriptional regulation of CD91 expression in antigen presenting cells and its impact on immune response and disease

3. Yingtong (Ava) Dou, Vaishali Aggarwal, Creg J. Workman and Dario A. A. Vignali

Interferon-gamma derived from exhausted T cells contributes to maintaining exhausted T cell population and host memory response in melanoma.

4. Rufiaat A. Rashid, Ian P. MacFawn, Noor Nader, Sheryl Kunning, Lan Coffman, and Tullia C. Bruno

Ovarian cancer-induced ascites fluid impacts B cell fate and function in women with high grade serous ovarian cancer

5. Vaishali Aggarwali, **Yangxi Sun,** Chang Liu, Cui Jian, Haiguang Wang, Sasikanth Manne, Kate M. Vignali, E. John Wherry, Creg J. Workman, and Dario A. A. Vignali

Tumor-specific stem-like progenitor exhausted CD8+ T cell subsets diverge into terminally exhausted cells and long-lived memory T cells

6. Mohamed Y. Zaky, Mohammad A. I. Al-Hatamleh, Monika Vashisht, Jessy John1, Karen Siddoway, Zhangguo Chen, and Jing H. Wang

PTX3 as a tumor-intrinsic modulator of myeloid cell function and a therapeutic target in HNSCC immunotherapy

7. Jessica A. Jana, Hannah A. Jarvis, Katelyn J. Wolfgang, Kelsey M. Ertwine, Kristin T. Morder, and Abigail E. Overacre

Bacterial translocation following PD1 blockade drives immunotherapy response through microbiome-specific T cell polarization

8. Decheng Li, Daniel P. Reay, Yang Li, Shachi Vyas, Timothy B. Orris, Dana P. Ascherman, and Sarah L. Gaffen

Investigation of cytokine signaling pathways in a model of histidyl-tRNA synthetase-induced myositis

9. Kelsey Ertwine, Jessica Jana, Katelyn Wolfgang, Dipyaman Patra, Kristin Morder, and Abigail Overacre

A small but mighty ROR(γt): RORγt supports peripherally induced regulatory T cell function and tumor growth

10. Charu Arora, Renee R. Anderko, Adam Tcharni, Sheryl R. Kunning, Caroline Sweeney, Amer Zureikat, and Tullia C. Bruno

Standard chemotherapy in patients with pancreatic ductal adenocarcinoma modulates B cell education within and outside tertiary lymphoid structures

11. Alexandra Bowman, Abbe Pannucci, and Anthony Cillo

Interrogating the phenotype and function of mature regulatory DCs in solid tumors

12. Christine M. Tin, Bianca Cordazzo Vargas, Darryl A. Abbott, Aditi R. Lohar, Tiffany C. Taylor, Ivan A. Valishev, Sarah Weinshel, Vung Lian, Kacey J. Sullinger, Matthew Butoryak, Michael A. Silverman, Liat Shenhav, William H. DePas, and Timothy W. Hand

Single-cell quantification of the microbiota by flow cytometry: MicFLY

13. Rylee N. Cisney, Hongmin Yun, Brian M. Davis, and Anthony J. St. Leger

Corneal TRPV1 activation alters the immune cell population in the cornea and trigeminal ganglia.

14. Abbe Pannucci, Elina Mukherjee, Jessica Daley, Sean Karl Collaborative Network Authors, Patrick Grohar, Ally Hawkins, Anthony R. Cillo, and Kelly M. Bailey

The Sean Karl Cohort: An international collaborative effort to study the landscape of recurrent and metastatic ewing sarcoma

15. Phelps CM, Willis NB, Duan T, Lee AH, Zhang Y, Rodriguez DM, Pandey SP, Laughlin CR, Rosen AB, McPherson AC, Shapira JH, Randhawa SK, Hedden L, Gottschalk RA, Schmitz KH, Mullet SJ, Gelhaus SL, Davar D, Zarour H, Hinterleitner R, Lee ST, Wagner KH, Winter SE, Das J, Pierre JF, Trinchieri G, and Meisel M.

Exercise-induced microbiota metabolite enhances CD8 T cell antitumor immunity promoting immunotherapy efficacy

16. Onyedikachi V. Onyekachi, Jeff Nurdin. Madeline Meldrum, Jeremy P. Kamil, Robert L. Ferris, and Lawrence P. Kane

Expression of TIM-3 drives adaptive NK cell effector phenotype and function during acute MCMV infection

17. Elissa Bardhi, Haley Chung, Julianna Powell, William Shfuesky, and Adrian Morelli

Graft-derived extracellular vesicles drive germinal center responses and humoral alloimmunity in transplantation

18. Mohammad A.I, Al-Hatamleh, Arpitha H. Shivarudrappa, Jessy John, Monika Vashisht, Huaibin Ge, Rui Dong, Zhangguo Chen, and Jing H. Wang

Employing an HPV antigen-expressing HNSCC model to elucidate the underlying mechanisms for divergent outcomes to anti-PD-L1 treatment

19. Wenzhe Gong, Alexandra Glathar, and Anthony R. Cillo

Interrogating $CD4^+$ regulatory T cell mediated immunosuppressive modulation of antigen presenting cells in the tumor microenvironment

20. M. Huang, D. Xue, H. Bahudhanapati, R. Domsic, J. Das, H. Singh, and R. Lafyatis

Distinct epigenetic regulation of TGFB3 via distal enhancer looping in SSC myofibroblasts

21. Aditi Lohar, Christine Tin, and Timothy Hand

A MICFLY-based approach to test how maternal milk antibodies shape preterm infant gut microbiome succession

22. Monika Vashisht, Huaibin Ge, Karen Siddoway, Jessy John, Harlie A McKelvey , Rui Dong, Mohammad A.I. AI-Hatamleh, Alexandra Krinsky, Vince Popolizio, Zhangguo Chen, and Jing H. Wang

TRAF3 deficiency promotes lymphomagenesis in B cells experienced VH gene replacement (VHR)

23. Kellie Spahr, Angelique Pham, Nicole Scharping, Bingxian Xie, Billy Gunn, Xue Zeng, Richard Cattley, Dayana Rivadeneira, William F Hawse, and Greg M Delgoffe

Chronic TCR signaling rewires mitochondrial metabolism to promote citrate export driving T cell exhaustion

24. Jie Gao, Xuerui Wang, Housaiyin Li, Robert L. Ferris, and Jing Li

Dynamics of regulatory CD8+ T cells during cancer immunotherapy

25. Xingjian Qiu, B Rhodes Ford, Aaron Yang, Kellie Spahr, Greg M Delgoffe, and Amanda C Poholek

Suppression of Ezh2-mediated histone methylation rescues the function of exhausted CD8+ T cells

26. Andrew Baessler, Aarya Kothare, Marissa Wells, Lawrence Andrews, Creg Workman, and Dario Vignali

Impact of inhibitory receptors on T cell motility and migration

27. Alisa A. Omelchenko, Syed A. Rahman, Vinayak V. Viswanadham, Grace J. Yuen, Perla M. Del Rio Estrada, Valentino D'Onofrio, Yijia Chen, Na Sun, Hamid Mattoo, Chinmay G. Varma, Gonzalo Salgado, Maribel S. Nava, Lady C. Ruiz, Dafne D. Rivera, Santiago A. Rios, Sudhir P. Kasturi, Susan P. Ribeiro, Mark J. Shlomchik, Amanda C. Poholek, Shiv S. Pillai, Rebecca A. Elsner, Vinay S. Mahajan, and Jishnu Das

A unified network systems approach uncovers a core novel program underlying T follicular helper cell differentiation

28. Shachi P Vyas, Bianca M Coleman, Kenta Yamamoto, Yang Li, Joel C McManus, Frank Tedeschi, Ram Savan, and Sarah L. Gaffen

Translational control of T cell expansion and autoimmune responses by an RNA binding protein- Arid5a

29. Priya Singh, Monika Vashisht, Huaibin Ge, Arpitha H Shivrudrappa, Jessy Jonh, Karen Siddoway, Zhangguo Chen, and Jing H. Wang

Loss of FOXD1 suppresses wnt signaling and enhances anti-tumor immunity in mouse HNSCC model

30. Shuxian Wu, Shuchi Smita, Laura Conter, Wei Luo, Derrick Callahan, and Mark Shlomchik

STAT3 Ser727 phosphorylation is required for regulating the balance of plasma cell differentiation and germinal center B cell proliferation via optimizing STAT3-mediated transcription

31. Yue Zhang, Colin Laughlin, Amanda Lee, Catherine Phelps, Tingting Duan, Surya Pandey, Simran Randhawa, Alex McPherson, Jake Shapira, Reinhard Hinterleitner, Giorgio Trinchieri, and Marlies Meisel

Examining antitumorigenic effects of Ruminococcus gnavus

32. Sonia Kruszelnicki, Devon Colby, Kay Bajpai, Omkar Betsur, Karsen Shoger, and Rachel Gottschalk

Microbiota-dependent IGF-1 Shapes Alveolar Macrophage Function

33. Nicole Brandon

This is a promotional poster for the Unified Flow Core to inspire conversations about how our capabilities support and expand departmental research.

34. Melissa E. Cook, Bianca M. Coleman, Nicole O. Ponde, Henry M. Zou, Shachi Vyas, Ipsita Dey, Tiffany C. Taylor, Felix E.Y. Aggor, Brian M. Peters, and Sarah L. Gaffen

Type 17 cytokines collectively control antifungal immunity in the female reproductive tract

35. Tingting Duan, Jake Shapira, and Marlies Meisel

Investigating effects of intratumoral Veillonella dispar on tumor growth

36. Akanksha Sachan, Aditi Gurkar, and Jishnu Das

Multi-omics machine learning for inferring metabolic-epigenetic interactions in aging skeletal muscle tissue

37. Torben Ramcke, Anjelica Ferguson, Ivan Valishev, Colton Smith, Ashna Poyilil, Andrew Liu, Eric Weiss, Jake Gillis, Tara Edwards, Chien-Sin Chen, Zhenwei Tang, Valérie Julia, and Daniel H. Kaplan

IL-31 targets hair follicle stem cells and directly promotes epidermal hyperplasia - A novel mechanism for IL-31 receptor blockade efficacy in prurigo nodularis

38. Derrick Callahan, and Mark Shlomchik

Epigenetic priming in memory versus naive B cells results in differential induction of genes involved in T-B interactions

39. Mary Melissa Roland, Amy Zhou, Lyubov Kublo, Venkata Krishna Kanth Makani, and Alok V. Joglekar

Tumor antigen-specific T cells increase tertiary lymphoid structure response in murine melanoma

40. Chelsea Mananguite, Rufiaat A. Rashid, Sheryl Kunning, Lan Coffman, and Tullia C. Bruno

Patient-derived ascites fluid increases B cell differentiation into antibody-secreting cells in ovarian cancer patients.

41 Zhihao Sun, Xuerui Wang, Jie Gao, and Jing Li

Functional characterization of regulatory Ly49+CD8+T cells in the tumor microenvironment

42. Emmanuel Leon Colon, and Timothy Hand

Exploring the role of immune checkpoint CD85k in small intestinal CD4+ tissue resident memory T cells

43. Nubia Sabrina Martins, Guilherme Rodigues de Mira, Thais Fernanda de Campos Fraga-Silva, Mèdéton Mahoussi Michael Boko, Ualter Guilherme Cipriano Rosa, Maíra Nilson Benatti, Daniel Rodrigues, Marcela Maria Blascke de Melo, Leandra Naira Zambelli Ramalho, Andrea de Cássia Vernier Antunes Cetlin, Élcio Oliveira Vianna, Michele Mazzaron de Castro, Lívia Soares Zaramela, Rita Tostes, Timothy Hand, and Vânia Luiza Deperon Bonato.

Endothelial glycocalyx shedding and gut dysbiosis induced by obesity promotes neutrophil recruitment, leading to asthma exacerbation

44. Godhev Kumar Manakkat Vijay, Bala Ramaswami, Steven Gierlack, Nicholas Pease, Peter Habib Gerges, Dianyu Chen, Kairavee Thakkar, Luis Mena Hernandez, Swapnil Keshari, Heping Xu, Nathan Salomonis, Jishnu Das, David M. Rothstein, and Harinder Singh

PRDM1 shapes germinal center B-cell clonal diversity by gating chromatin accessibility during light-to-dark zone transition

45. Chien-Sin Chen, Jacob E. Gillis, Jonathan A. Cohen, Alexandra R. Glathar, Yijia Chen, Eric S. Weiss, Caitlin O. Bacon, Lindsay M. McKendrick, Sumeyye Ozyaman, Tina L. Sumpter, Brian M. Davis, Anthony R. Cillo, Amanda C. Poholek, and Daniel H. Kaplan

The genesis of cutaneous neurogenic inflammation is a multi-step process requiring DC aggregation

46. Qiang Chen, Jian Cui, Creg J Workman, and Dario AA Vignali

Development of an in vivo model for CRISPR screening to uncover novel targets of tumor-infiltrating Treg cells

47. Ivan Valishev, Torben Ramcke, Andrew Liu, Shilpi Giri, Amanda Poholek, and Daniel H. Kaplan

Scratching enhances Th2 responses to cutaneous antigen

48. Gagan Dev, Taohua Liu, Amrita Bhattacharjee, and Timothy Hand

Malnutrition-associated intestinal villous atrophy is regulated by a balance of microbiota-driven IFNg producing T cells and Tregs

49. Venkata Krishna Kanth Makani, Lyubov Kublo, Parthiv Reddy Bandi, Mary Melissa Roland, and Alok V. Joglekar

Engineered antigen-presenting cells for enhancing anti-tumor T cell responses

50. Ceena Nafarzadegan, Alok Kumar, Chenxian Ye, and Greg M. Delgoffe

Loss of regulatory T cell suppressive function in the postprandial state

51. Charlotte J. Imianowski, Andrew Baessler, Qiang Chen, Jian Cui, Aatur D. Singhi, Creg J. Workman, and Dario A. A. Vignali

Uncovering mechanisms which control the infiltration of regulatory T (Treg) cells into the tumor

52. Lisa C. Gibbs, Florian Weisel, Derrick Callahan, Shuchi Smita, and Mark Shlomchik

Stem-like properties and functional divergence of murine memory B cell subsets

53. Swapnil Keshari, Akanksha Sachan, Zarifeh Rarani, Nicholas Pease, Jingyu Fan, Peter Gerges, Harinder Singh, and Jishnu Das

Uncovering cellular programs and regulatory circuits governing cell fate bifurcations using interpretable machine learning

54. Mary Cundiff, Javad Rahimikollu, Hitesh Davuluri, Mika Hara, Varsha Sriram, Niranjana Natarajan, and Jishnu Das

Interpretable LLMs for finding common signatures of fibrosis across tissues

55. Alexandra Glathar, Raj Seethala, Robert L. Ferris, Tullia C. Bruno, and Anthony R Cillo

Identification of a spatially resolved cellular neighborhood in HNSCC that limits response to immunotherapy

56. Kieran Adam, Yoshi Fujita, Jian Cui, Wumesh Kc, Shin Foong Ngiow, Sharanbasappa Karade, Roy A. Mariuzza, E. John Wherry, Creg J. Workman, and Dario A.A. Vignali

Functional Characterization of LAG3 Ligands that Modulate Immune Response in the Tumor

57. Samuel C. Butler, Creg J. Workman, and Dario A.A. Vignali

Determining the role of TOX in the maintenance of CD8+ T cell exhaustion and memory development

58. Varsha Sriram, Mika Hara, Mary Cundiff, Jishnu Das, and Niranjana Natarajan

Lysosomal GPR155 regulates reverse cholesterol transport and autophagy in macrophages

59. Hye Mi Kim, Alexandra R. Glathar, Peter R. Fatouros, Caroline Sweeney, Medard Ernest Kaiza, Alexandra McDonough, Kelsey Ertwine, Elaine V. Byrnes, Lora H. Rigatti, Sheryl R. Kunning, Asia Williams, Rajesh Acharya, Riyue Bao, Ashwin Somasundaram, Nikhil S. Joshi, Tina Cascone, Laura P. Stabile, and Tullia C. Bruno

Tertiary lymphoid structures development in lung cancer reveals differences in activity and composition related to tumor burden

60. Jane Siwek, Ally Wang, Yijia Chen, Patrizia Fuschiotti, Jing Li, Abby Overacre, Alok Joglekar, and Jishnu Das

Finding ImmunoReceptor-coupled expression profiles underlying immune phenotypes with interpretable machine learninG (FIREPIG)

61. Nicole O. Ponde, Ipsita Dey, Tiffany C. Taylor, Melissa E. Cook, Bianca M. Coleman, Rami Bechara, and Sarah L. Gaffen

Epitranscriptomic control of host epithelial responses to candidiasis via N6-Methyladenosine (m6A) methylation

62. Edith Campana, Luzmariel Medina-Sanchez, Ariadna Soto, Halah Winner, Surya Pandey, Jishnu Das, Terrence Dermody, and Reinhard Hinterleitner

The role of tritrichomonas arnold in restraining viral mediated loss of oral tolerance

63. Supriya K. Joshi, William Gunn, Rachel Cumberland, Andrew Frisch, Bingxian Xie, Wanzi Xiao, Anthony Cillo, and Greg M. Delgoffe

Hypermetabolic expansion conditions imprint lasting dysfunction on adoptive cell therapies

64. Xinning Ma, Daphne M. Rodriguez, and Marlies Meisel

Exploring the anti-tumor potential of immune checkpoint inhibitor-response associated gut bacteria

65. Chenxian Ye, Kelsey Ertwine, McLane J. Watson, and Greg Delgoffe

Differential roles of glut1 in treg cell function across tissue microenvironment

66. Wenzhong Wei, Lau García-Diéguez, Collin James Pirner, Alexander M. Rowe, Kevin Quann, Kentin Codispot, Sarah Rosenberger, Faruk Sacirbegovic, Fadi G. Lakkis, and Warren D. Shlomchik

Isolation and characterization of graft infiltrating TCRs from MHC mismatched transplant recipient

67. Surya P. Pandey, Donghui Yang, Lee Hedden, Colin Laughlin, Ariadna Soto, Halah Winner, Luzmariel Medina-Sanchez, Edith E. Campana, Jakob von Moltke, Marlies Meisel, Yi-Nan Gong, and Reinhard Hinterleitner

Gasdermin C cleavage by cathepsin S regulates Rab7 Vesicles in intestinal epithelial cells to boost anti-helminth immunity

68. Priyamvada Guha Roy, Prabal Chhibbar, and Jishnu Das

Studying immunomodulation in infectious diseases using structurally resolved host-host and host-viral protein networks

69. Anamarie R. Martinez-Turak, Yaxuan Yang, Laura F. Strube, Aaron Francis, Caroline I. Larkin, Neha Cheemalavagu, Karsen E. Shoger, Maria Chikina, James R. Faeder, and Rachel A. Gottschalk

Linking STAT signaling dynamics and promoter sequence to gene expression with a mechanistic modeling to machine learning framework

70. Nishtha Trivedi, Sanya Arshad, Paul Zdinak, Holger A. Russ, Maki Nakayama, and Alok V. Joglekar

Microproteins as a potential source of antigens in autoimmunity

71. Jordan Warunek, Steve Sanders, Lisa Mathews, Martin Oberbarnscheidt, Fadi Lakkis, Khodor Abou-Daya, and Heth Turnquist

Macrophage recognition of donor MHCI tunes IL-27 production to shape tissue repair following heart transplantation

72. Kenta Yamamoto, Shachi P. Vyas, Lisa R. Mathews, Melissa E. Cook, Bianca M. Coleman Hēth R. Turnquist, and Sarah L. Gaffen

The RNA-binding protein Arid5a is a novel T cell-intrinsic driver of graft-versus-host disease (GvHD)

73. Prabal Chhibbar, Pradnya Jadhav, and Jishnu Das

Leveraging HIVs evolutionary choices at the CD4 interface in designing broadly neutralizing immunotherapies

74. Halah Winner, Ariadna Soto, Yue Zhang, Surya Pandey, Marlies Meisel, and Reinhard Hinterleitner

Colonization with commensal gut protist tritrichomonas arnold influences lung tumor metastasis

75. Zarifeh Heidari Rarani, Trirupa Chakraborty, and Jishnu Das

Identification of vaccine immune signatures using machine learning and mechanistic modeling methods

76. Alysha Slater, Hongmin Yun, Kaveh Moghbeli, Jishnu Das, Harinder Singh, Dan Kaplan, Brian Davis, and Anthony J. St. Leger

The influence of amyloid precursor protein on immune cells in nervous tissue during steady state and disease

77. Prosper O. Chukwuemeka, Housaiyin Li, Aditi Kulkarni, Pragati Upadhyai, Matthias Brand, Lilit Karapetyan, Cindy Sander, Elizabeth Rush, Anjali Rohatgi, Patricia M. Santos, Dan P. Zandberg, Lazar Vujanovic, Tullia C. Bruno, John M. Kirkwood, Creg Workman, Anthony R. Cillo, Robert L. Ferris, and Dario A.A. Vignali

Combination therapy with anti-LAG3 and anti-PD1 modulates immunosuppressive intratumoral CD4+ regulatory T cells in solid tumors

78. Tiffany Taylor, Samantha Albert, Samyuktha Arunkumar, Christine Tin, Darryl Abbott, Gagan Dev, Jishnu Das, Manuela Raffatellu, and Timothy Hand

Identifying the source of infectious variability using microbial single cell RNA sequencing

79. Dipyaman Patra, Chenxian Ye, Katelyn Wolfgang, Lora Rigatti, Anthony Cillo, Greg Delgoffe, Abby Overacre-Delgoffe

IFN-y tregs drive TRM-mediated toxicity and resistance in cancer immunotherapy

80. Luis Mena, Nicholas Pease, and Harinder Singh

Uncovering a role of aryl hydrocarbon receptor (AhR) in the cell fate dynamics of human B cells

81. Shilpi Giri, Kun He, and Amanda Poholek

Blimp1 is critical for the generation of CD4+tissue-resident memory cells during allergic asthma

82. Abigail Sedlacek, and Robert Binder

HSP interaction with individual CD91 ligand binding domains

83. Yan Ma, **Avani Parikh,** Steven Caldwell, Maddy Ratesic, Gianna Falcone, Elisa Ruffo, Alexander Deiters, and Jason Lohmueller

HaloCAR - a universal chimeric antigen receptor (CAR) programmable by chloroalkane-conjugated adaptors

84. Yannis E. Rigas, Xioyan Xu, Mary Mattapallil, Jackie Shane, Benjamin Schwarz, Rachel R. Caspi, and Anthony J. St. Leger

Harnessing commensal immunity: how a corynebacterial lipid drives IL-17 from γδ T cells for host defense at the ocular surface

85. Benjamin Cameron, Venkata Krishna Kanth Makani, Paul M. Zdinak, Chasity Hankinson, Nilakshi Paul, Eddie A. James, Jane Buckner, Alexander Deiters, and Alok V. Joglekar

EPI-STOP: a genetic code expansion platform to define the immunogenicity of post-translational modifications.

86. Trirupa Chakraborty, Divya Bhakta, Anushka Saha, Camila Macedo , Daqiang Zhao, Asma Hashim, Kieran Manion, Marisa Abundis, Suhana Nujum Giyaz, Pedro Marcal, Alex Boshart, Aravind Cherukuri, Adriana Zeevi, Jeremy Tilstra, Alok Joglekar, Fadi Lakkis, Diana Metes, Ana Konvalinka, Aniruddh Sarkar, and Jishnu Das

High-resolution multiplexed antibody-omics and interpretable machine learning unveil novel pathogenic mechanisms in kidney transplant rejection

87. Haylee A Cosgrove, Xiaoyan Gong, Aidan R Matunis, Katie Kim, Mark J Shlomchik, and Jeremy S Tilstra

Type I and type II interferons have dichotomous and overlapping effects in a murine model of systemic lupus erythematosus

88. Ellen A. Fleming, and Anthony J. St. Leger

Herpes simplex virus type 1 ocular infection triggers brain inflammation at steady state and during neurodegenerative disease

89. Alyson Wang and Koushul Ramjattun

Spatially perturbing transcription factors, Ligands, and Receptors (SpaceTravLR) for functional microniche identification

90. Lia Robben, Robert Z. Zhang, Ashley Willey, Vincent Mele, Sandra Umana, and Melissa Kane

TLR7- independent antiretroviral antibody production

91. Hannah Bumgarner, Supriya Joshi, William Gunn, Angelina Parise, Drew Wilfahrt, Aaron Yang, Emerson Day, Andrew McGovern, Jingyuan Zhang, Dominic McGrosso, Steven Mullet, Samuel Meyers, and Greg M. Delgoffe

Typical in vitro conditions for T cell expansion are extremely hyperglycemic which paradoxically drives functional exhaustion and inhibits antitumor efficacy

92. Afsana Naaz, Mitch Ellison, Tengfang Li, Sihua Wang, Jordan Jp Warunek, Steven M. Sanders, Michelle A. Wood-Trageser, Yuchen Huang, Stephanie Traczek, Lisa R. Mathews, Adriana Zeevi, Khodor I Abou-Daya, and Heth R. Turnquist

Alloimmunity generated injury signals control local chemokine levels in areas of cardiac Allograft Vasculopathy

93. Bhavani Taramangalam, Madeline Lipp, and Mark Snyder

Investigating granzyme K-producing CD8+ T cells as drivers of idiopathic pulmonary fibrosis

94. Caitlin Preusser, Hayley Ramirez, Brydie Huckestein, and John Alcorn

Targeting resident memory CD8+ T cell-mediated lung inflammation following influenza infection

95. Betsy Ann Varghese, Lisa R Mathews, Afsana Naaz, Zeynep Dimer, Yalcin Kalahci, Kun-Che Chang, Dimitrios Stavropoulos, John D. Ash, Vijay Gorantla, and Hēth R. Turnquist

Establishing immune biomarker surrogates of neuro-, surgical and rejection-mediated inflammation in Whole Eye Transplant (WET)

96. Felicia Kemp, Rebecca Brown, Gail Waltz, Steve Mullett, Stacy Gelhaus, Heth Turnquist, and Craig Byersdorfer

Deletion of PPARδ impairs the proliferation of alloreactive CD4 T cells in GVHD pathogenesis

97. Amanda H. Lee, Surya P. Pandey, Colin R. Laughlin, and Marlies Meisel

Evaluating the potential of microbial metabolites to enhance the efficacy of CD8 T cell therapy in melanoma

98. Yi Yang, Anthony Marinov, Xiaoyan Gong, Jeremy Tilstra, and Mark J. Shlomchik

Induction of autoreactive B cell response by CD4+ T cell clones reactive to nuclear antigen

99. Nicole E. Mihalik, Erica L. Braverman, Andrew Baessler, Charlotte J. Imianowski, Erin A. Brunazzi, Creg J. Workman, and Dario A.A. Vignali

Assessing the relative and synergistic contributions of PD1 and LAG3 on CD4+ T cells in cancer

100. Sarah Bradley, Abbe Pannucci, Alexandra Glathar, and Anthony R. Cillo

Interrogating the modulation of tumor specific CD8+ T cell transcriptional profiles and functional phenotypes following immunotherapy

101. Arianna Creech, and Greg Delgoffe

The nature vs nurture of exhaustion: is dysfunction hardwired or a product of environment?

102. Danica M. Lee, Urekha Karri, Kader Gedik, Yiming Luo, Manuel Carpio Tumba, Prabal Chhibbar, Priyamvada Guha Roy, Guido Falduto, Jishnu Das, and Daniella M. Schwartz

Rare TNFAIP3 hypomorphic variants are a massively underestimated driver of human autoinflammatory disease

103. Aaron Rosen, Joel Schilling, Rebecca Hausler, Jose Lugo-Martinez, and Jishnu Das

Multi-modal graph-enhanced metabolite embeddings for heart failure subtype classification

104. Daphne M. Rodriguez J., Alex C. McPherson, Mackenzie, J. Bender, Catherine M. Phelps, Amanda H. Lee, Simran K. Randhawa, Colin R. Laughlin, Nathaniel B. Willis, Lee Hedden, Reinhard Hinterleitner, Sonny T. M. Lee, Joseph F. Pierre, Florencia McAllister, and Marlies Meisel

Inherent systemic translocation of commensal bacteria drives the composition of extra-intestinal tumor and tissue microbiomes

105. Aidan Matunis, Haylee Cosgrove, Xiaoyan Gong, and Jeremy Tilstra

Overlapping and distinct roles of type I and type II interferons in lupus nephritis

106. Ahnika Hay, Donna Cho, Anika Jadia, and Tina L. Sumpter

BLIMP1 regulates the FcεRI-pathway in mast cells

107. Andrew W. Richens, Derrick Callahan, Lisa C. Gibbs, and Mark Shlomchik

Interrogating the role of ETS-1 in Memory B cell formation and function

108. Ariadna Soto, Clarisse Engl, Halah Winner, Surya P. Pandey, Augusta Vincent, Isha Mehta, Daphne Rodriguez Jimenez, Anish Thomas, Edith Campana, Marlies Meisel, Jishnu Das, and Reinhard Hinterleitner

Define the role of protist-derived immunomodulatory metabolites in IBD

109. Jiaqi Zhang, Jonah Sonnabend, Chaoqun Li, Kevin Quann, Yinan Gong, and Sawa Ito

Targeting ferroptosis mediated cell death with IFN-gamma for apoptosis-resistant acute myeloid leukemia

110. Stephen Joachim, Rebecca Elsner, Tim Hand, and Mark Shlomchik

Commensals vs pathogens: balancing B cell tolerance and protection

111. Caitlin Strassburg, Danielle Pitlor, Rachel Gottschalk, and Shikhar Uttam

Mitochontrol: Adaptive mtRNA filtering of single cell RNA sequencing data

112. David Gao, Guido Falduto, Aida Miyagusuku Chang, Thomas Hooven, Daniella Schwartz, Hey Jin Chong, and Alok Joglekar

Defining the transcriptional plasticity of T cells in IPEX

113. Drew Wilfahrt, Bingxian Xie, William Gunn, Aaron Yang, Amanda Poholek, and Greg M. Delgoffe.

Tumor nutrient stress induces lasting effects on CD8+ T cell function and epigenetic remodeling

114. Bailey T. Chalmers, Paul M. Zdinak, David S. Gao, and Alok V. Joglekar

Bait, engage, suppress: SABR-tregs target autoreactive T cells to prevent type 1 diabetes

115. Victor So, Alexander Deiters, and Jason Lohmueller

Expanding the antigen targeting of CAR T cells via a universal bispecific T cell engager

116. Allison Cafferata, Kellie Spahr, Paolo Vignali, Sebastian Gingras, and Greg Delgoffe

Assessing the contribution of exhausted CD8+ T cells to antitumor immunity with DETEX mice

117. Alysa Evans, Koushul Ramjattun, and Youjin Lee

Spatial multi-omic profiling of kidney-infiltrating T cells in lupus nephritis

118. Lau Garcia-Dieguez, Alexander M. Rowe, Kevin Quann, Dominic Didiano, Katherine Querry, Smriti Chaurasia, Wenzhong Wei, Kevin Nickerson, Mark J. Shlomchik, and Warren D. Shlomchik

Effect of TCR properties on miHA-targeted ACT in mice

119. Jaishree Gandhi, Simran Mangwani-Mordani, Vishal Jhanji, Anat Galor, and Anthony J. St. Leger

Defining the human ocular surface microbiota and investigating host-microbe dynamics in-vivo

120. Yijia Chen, William A. MacDonald, Kun He, Hanxi Xiao, Jishnu Das, and Amanda C. Poholek

Spatial dynamics of CD4+ T Cell differentiation in lung-draining lymph nodes revealed by slide-TCR-seq

121. Anthony Bragoli, Zhangguo Chen, Karen Siddoway, and Jing Wang

S1PR1: Mediator of TCR/MHC class I independent activation of CD8+ T cell against cancer

122. Martinna Bertolini, Henry Zou, and Sarah Gaffen

Candida albicans infection triggers progressive remodeling of the tongue epithelial landscape.

123. Yang Li, Ipsita Dey, Shachi P. Vyas, Alzbeta Synackova, Decheng Li, Erik Lubberts, Dana P. Ascherman, Peter Draber, and Sarah L. Gaffen

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