

CURRICULUM VITAE

Ansuman T. Satpathy M.D. Ph.D.

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A. POSITIONS AND EMPLOYMENT

2019- Assistant Professor, Department of Pathology, Stanford University School of Medicine
Faculty Member, Immunology, Biomedical Informatics, and Cancer Biology Programs
Member Researcher, Parker Institute for Cancer Immunotherapy
Faculty Member, Stanford Cancer Institute, ChEM-H Institute, Bio-X, Wu Tsai Neurosciences Institute

B. EDUCATION AND TRAINING

2015-2019 Postdoctoral Fellow, Genetics, Stanford University, Advisor: Howard Y. Chang
2014-2017 Medical Resident, Clinical and Molecular Pathology, Stanford University
2006-2014 M.D., Washington University in St. Louis
2008-2013 Ph.D., Immunology, Washington University in St. Louis, Advisor: Kenneth M. Murphy
2004-2005 Visiting Student, Biomedical Sciences, King's College London
2001-2006 B.A., Philosophy, University of Illinois at Urbana-Champaign
B.S., Molecular and Cellular Biology, University of Illinois at Urbana-Champaign

C. LICENSURE

2015- Physician and Surgeon, State of California

D. AWARDS AND HONORS

2019 Cancer Research Institute Technology Impact Award
2018 Bill and Melinda Gates Foundation Innovative Technologies Award
2018 STAT Magazine Wunderkind Award
2018 Burroughs Wellcome Fund Career Award for Medical Scientists
2018 Michelson Prize in Human Immunology and Vaccine Research
2018 Mentored Clinical Scientist Career Development Award (K08), National Cancer Institute
2018 Ray Owen Young Investigator Award, Midwinter Conference of Immunologists
2017 Bridge Scholar Career Development Award, Parker Institute for Cancer Immunotherapy
2016 Pathology Mentored Trainee Award in Precision Health Research
2016 Cancer Research Institute Irvington Postdoctoral Fellowship
2016 Charles B. Carrington Memorial Award, Stanford University
2016 NIH Loan Repayment Award for Physician-Scientists
2013 David M. Kipnis Award for outstanding dissertation, Washington University in St. Louis
2012 American Heart Association Predoctoral Scholar Award
2008 Medical Student Teaching Excellence Award, Washington University in St. Louis
2006 NIH Medical Scientist Training Program Fellowship, Washington University in St. Louis
2006 Highest Distinction for top graduates in Arts and Sciences, University of Illinois
2005 Michael Aiken Visiting Student Fellowship, King's College London

E. PEER-REVIEWED PUBLICATIONS (55)

1. Parker KR*, Migliorini D*, Perkey E, Yost KE, Bagga P, Harris M, Wilson NE, Liu F, Gabunia K, Scholler J, Montine TJ, Bhoj VG, Reddy R, Mohan S, Maillard IP, June CH, Chang HY, Posey Jr. AD[#], **Satpathy AT[#]**. Single-cell RNA profiling nominates human brain mural cells as a target of immunotherapy-associated neurotoxicity. *Cell*. 2020 In Press *contributed equally [#]co-corresponding

2. Affinity-restricted memory B cells dominate recall responses to heterologous flaviviruses. Wong R, Belk JA, Govero J, Uhrlaub JL, Reinartz D, Zhao H, Errico JM, D'Souza L, Ripperger TJ, Nikolich-Zugich J, Schlomchik MJ, **Satpathy AT**, Fremont DH, Diamond MS, Bhattacharya D. *Immunity*. 2020 In Press
3. Human B cell clonal expansion and convergent antibody responses to SARS-CoV-2. Nielsen SCA, Yang F, Jackson KJL, Hoh RA, Roltgen K, Stevens B, Lee JY, Rustagi A, Rogers AJ, Powell AE, Najeeb J, Otrelo-Cardoso AR, Yost KE, Daniel B, Chang HY, **Satpathy AT**, Jardetzky TS, Kim PS, Wang TT, Pinsky BA, Blish CA, Boyd SD. *BioRxiv*. 2020
4. Vardhana SA, Hwee MA, Berisa M, Wells DK, Yost KE, King B, Smith M, Herrera PS, Chang HY, **Satpathy AT**, van den Brink MRM, Cross JR, Thompson CB. Impaired mitochondrial oxidative phosphorylation limits the self-renewal of T cells exposed to persistent antigen. *Nat Immunol*. 2020 Jul 13. Doi: 10.1038/s41590-020-0725-2.
5. Stadtmauer EA, Fraietta JA, Davis MM, Cohen AD, Weber KL, Lancaster E, Mangan PA, Kulikovskaya I, Gupta M, Chen F, Tian L, Gonzalez VE, Xu J, Jung IY, Melenhorst JJ, Plesa G, Shea J, Matlawski T, Cervini A, Gaymon AL, Desjardins S, Lamontagne A, Salas-Mckee J, Fesnak A, Siegel DL, Levine BL, Jadhowsky JK, Young RM, Chew A, Hwang WT, Hexner EO, Carreno BM, Nobles CL, Bushman FD, Parker KR, Qi Y, **Satpathy AT**, Chang HY, Zhao Y, Lacey SF, June CH. *Science*. 2020 Feb 2;367(6481).
6. Yost KE, Chang HY, **Satpathy AT**. Tracking the immune response with single-cell genomics. *Vaccine*. 2019 Dec 16. pii: S0264-410X(19)31560-9.
7. Lynn RC, Weber EW, Gennert D, Sotillo E, Good Z, Anbunathan H, Jones R, Tieu V, DeBourcy C, Xu P, Majzner R, **Satpathy AT**, Quake SR, Chang HY, Mackall CL. c-Jun overexpressing CAR-T cells are exhaustion-resistant and mediate enhancer antitumor immunity. *Nature*. 2019 Dec;576(7786):293-300.
8. Lopez-Isac E, Acosta-Herrera M, Kerick M, Asassi S, **Satpathy AT**, Granja JG, Mumbach MR, Beretta :, Simeon CP, Carreira P, Ortego-Centono N, Castellvi I, the Spanish Scleroderma Group, Bossini-Castillo :, Carmona FD, Orozco G, Hunzelmann N, Distler JHW, Witte T, Kreuter A, Frankel A, Rickemasten G, Lunardi C, Airo P, Moroncini G, Gabrielli A, Vries-Bouwstra J, Magro C, Voskuy AE, Vonk VC, Wijmenga C, Koeleman BPC, Hesselstrand R, Nordin A, Padyukov L, Hoffmann-Vold A, Lie B, Australian Scleroderma Group, Vyse T, Derrick A, Worthington J, Denton CP, Allanore Y, Brown MA, Radstake T, Fonseca C, Chang HY, Mayes MD, Martin J. Identification of novel risk loci, convincing target genes, and pathogenic cell types in systemic sclerosis: a large meta-GWAS. *Nat Commun*. 2019 Oct 31;10(1):4955.
9. Durai V, Bagadia P, Granja JM, **Satpathy AT**, Kulkarni D, Davidson JT, Wu R, Patel S, Iwata A, Liu T, Huang X, Briseno CG, Grajales-Reyes G, Wohner M, Tagoh H, Kee B, Newberry R, Busslinger M, Chang HY, Murphy TL, Murphy KM. Cryptic activation of an Irf8 enhancer reveals the transcriptional mechanisms governing cDC1 specification. *Nat Immunol*. 2019 Sep;20(9):1161-1173.
10. Bagadia P, Huang X, Liu T, Durai V, Grajales-Reyes GE, Nitschke M, Modrusan Z, Granja JM, **Satpathy AT**, Briseno CG, Gargaro M, Iwata A, Kim S, Chang HY, Shaw AS, Murphy TL, Murphy KM. An Nfil3-Zeb2-Id2 pathway imposes Irf8 enhancer switching during cDC1 specification. *Nat Immunol*. 2019 Sep;20(9):1174-1185.
11. **Satpathy AT***, Granja JM*, Yost KE, Qi Y, Meschi F, McDermott GP, Olsen BN, Mumbach MR, Pierce SE, Corces MR, Shah P, Bell JC, Jhutti D, Nemecek CM, Wang J, Wang L, Yin Y, Giresi PG, Chang ALS, Zheng GXY[#], Greenleaf WJ[#], Chang HY[#]. Massively parallel single-cell chromatin landscapes of human immune cell development and intratumoral T cell exhaustion. *Nat Biotechnol*. 2019 Aug;37(8):925-936. *contributed equally [#]co-corresponding
12. Yost KE*, **Satpathy AT***[#], Wells DK, Qi Y, Kageyama R, Sarin KY, Brown RA, Bucktrout S, Davis MM, Chang ALS[#], Chang HY[#]. Clonal replacement of tumor-specific T cells following PD-1 blockade. *Nat Med*. 2019 Aug;25(8):1251-1259. *contributed equally [#]co-corresponding
13. Mumbach MR*, Granja JM*, Flynn RA, **Satpathy AT**, Rubin AJ, Qi Y, Shams S, Louie B, Corces MR, Khavari PA, Atianand MA, Fitzgerald K, Greenleaf WJ[#], Chang HY[#]. HiChIRP reveals RNA-associated chromosome conformation. *Nat Methods*. 2019 Jun;16(6):489-492. *contributed equally [#]co-corresponding

14. Janela B, Patel AA, Lau MC, Goh CC, Msallam R, Kong WT, Fehlings M, Hubert S, Lum J, Simoni Y, Malleret B, Zolezzi F, Chen J, Poidinger M, **Satpathy AT**, Briseno C, Wohn C, Malissen B, Murphy KM, Maini AA, Vanhoutte L, Williams M, Vial E, Hannequin L, Newell E, Ng LG, Musette P, Yona S, Hacini-Rachinel F, Ginhoux F. A subset of type 1 conventional dendritic cells controls cutaneous bacterial infections through VEGFa-mediated recruitment of neutrophils. *Immunity*. 2019 Apr 16;50(4):1069-1083.
15. Ulirsch JC*, Lareau CA*, Bao EL*, Ludwig LS, Guo MH, Benner C, **Satpathy AT**, Salem R, Hirschhorn JN, Finucane HK, Aryee MJ, Buerostro JD[#], Sankaran VG[#]. Interrogation of human hematopoiesis at single-cell and single-variant resolution. *Nat Genet*. 2019 Apr;51(4):683-693. *contributed equally [#]co-corresponding
16. Van Gool F, Nguyen ML, Mumbach MR, **Satpathy AT**, Rosenthal W, Giacometti S, Liu W, Brusko TM, Anderson MS, Rudensky AY, Marson A, Chang HY, Bluestone JA. A FOXP3 mutation controls Th2 effector function in Treg cells. *Immunity*. 2019 Feb 19;50(2):362-377.
17. Rubin AJ*, Parker KR*, **Satpathy AT***, Qi Y, Wu B, Ong AJ, Mumbach MR, Ji AL, Kim DS, Cho SW, Zarnegar BJ, Greenleaf WJ, Chang HY[#], Khavari PA[#]. Coupled single-cell epigenome editing and profiling reveals causal gene regulatory networks. *Cell*. 2019 Jan 10;176(1-2):361-376. *contributed equally [#]co-corresponding
18. Corces MR*, Granja JM*, Shams S, Louie BH, Seoane JA, Zhou W, Silva TC, Groeneveld C, Wong CK, Cho SW, **Satpathy AT**, Mumbach MR, Hoadley KA, Robertson AG, Sheffield NC, Felau I, Castro MA, Berman BP, Staudt LM, Zenklusen JC, Laird PW, Curtis C, The Cancer Genome Atlas Research Network, Greenleaf WJ[#], Chang HY[#]. The chromatin accessibility landscape of primary human cancers. *Science*. 2018 Oct 26; 362(6413). *contributed equally [#]co-corresponding
19. Jeng MY, Mumbach MR, Granja JM, **Satpathy AT**, Chang HY, Chang AL. Enhancer connectome functionally interrogates GWAS-identified intergenic SNPs associated with inflammatory skin conditions. *J Invest Dermatol*. 2018 Oct 10. Pii: S0022-202X(18)32657-5.
20. Briseno CG, **Satpathy AT**, Davidson JT, Durai V, Bagadia P, O'Connor KW, Thiesen DJ, Ferris ST, Murphy TL, Murphy KM. Notch2-dependent DC2 mediate splenic germinal center responses. *Proc Natl Acad Sci U S A*. 2018 Oct 2. 2018 Oct 16;115(42):10726-10731.
21. Chang AL, Cannon JG, Tran DC, Li S, Jeng M, Patel R, Van der Bokke L, Pague A, Brotherton R, Rieger KE, **Satpathy AT**, Yost KE, Reddy S, Sarin KY, Colevas D. Pembrolizumab for advanced basal cell carcinoma: an investigator-initiated, proof-of-concept study. *J Am Acad Dermatol*. 2019 Feb;80(2):564-566.
22. Duren Z*, Chen X*, Zamanighomi M*, Zeng W, **Satpathy AT**, Chang HY, Wang Y, Wong W. Integrative analysis of single cell genomics data by coupled nonnegative matrix factorizations. *Proc Natl Acad Sci U S A*. 2018 Jul 24;115(30):7723-7728. *contributed equally
23. **Satpathy AT***, Saligrama N*, Buenostro JD*, Wei Y, Wu B, Rubin AJ, Granja JM, Li R, Mumbach MR, Lareau CA, Serratelli WS, Gennert DG, Schep AN, Corces MR, Khodadoust MS, Kim YH, Khavari PA, Greenleaf WJ, Davis MM[#], Chang HY[#]. Transcript-indexed ATAC-seq for precision immune profiling. *Nat Med*. 2018 May; 24(5): 580-590. *contributed equally [#]co-corresponding
24. **Satpathy AT***[#], Brown RA*, Gomulia E, Briseno CG, Mumbach MR, Pan Z, Murphy KM, Natkunam Y, Chang HY, Kim J. Expression of the transcription factor ZBTB46 distinguishes human histiocytic disorders of classical dendritic cell origin. *Mod Pathol*. 2018 May 9. doi: 10.1038/s41379-018-0052-4. *contributed equally, [#]corresponding author
25. Mumbach MR*, **Satpathy AT***, Boyle EA*, Dai C*, Wei, Y, Rubin AJ, Nguyen T, Corces MR, Suliman N, Li R, Xu J, Flynn RA, Khavari PA, Quertermous T, Greenleaf WJ[#], Chang HY[#]. Enhancer connectome in primary human cells reveals target genes of disease-associated DNA elements. *Nat Genet*. 2017 Nov; 49(11): 1602-1612. *contributed equally [#]co-corresponding

26. Simeonov DR*, Gowen BG*, Boontanrart M, Roth T, Gagnon JD, Mumbach MR, **Satpathy AT**, Lee Y, Bray NL, Chan A, Lituev DS, Nguyen ML, Gate RE, Subramaniam M, Li Z, Woo JM, Mitros T, Ray GJ, Bray NL, Curie GL, Naddaf N, Chu JS, Ma H, Boyer E, Gool FV, Huang H, Liu R, Tobin VR, Schumann K, Daly MJ, Farh KK, Ansel KM, Ye C, Greenleaf WJ, Anderson MS, Bluestone JA, Chang HY, Corn JE[#], Marson A[#]. Discovery of stimulation-responsive immune enhancers with unbiased CRISPR activation. *Nature*. 2017 Sep 7; 549(7670): 111-115. * contributed equally [#]co-corresponding
27. Corces MR, Trevino AE, Hamilton EG, Greenside PG, Sinnott-Armstrong NA, Vesuna S, **Satpathy AT**, Rubin AJ, Montine KS, Wu B, Kathiria A, Cho SW, Mumbach MR, Carter AC, Kasowski M, Orloff LA, Risca VI, Kundaje A, Khavari PA, Montine TJ, Greenleaf WJ[#], Chang HY[#]. An improved ATAC-seq protocol reduces background and enables interrogation of frozen tissues. *Nat Methods*. 2017 Oct; 14(10): 959-962. [#]co-corresponding
28. Chen YG*, **Satpathy AT***, Chang HY. Gene regulation in the immune system by long noncoding RNAs. *Nat Immunol*. 2017 Aug 22; 18(9):962-972. Review. *contributed equally
29. Anderson DA, Grajales-Reyes GE, **Satpathy AT**, Hueichucura CEV, Murphy TL, Murphy KM. Revisiting the specificity of the MHC class II transactivator CIITA in classical murine dendritic cells in vivo. *Eur J Immunol*. 2017 Aug; 47(8): 1317-1323.
30. Qu K*, Zaba LC*, **Satpathy AT**, Giresi PG, Li R, Jin Y, Armstrong R, Jin C, Schmitt N, Rahbar Z, Ueno H, Greenleaf WJ, Kim YH[#], Chang HY[#]. Chromatin accessibility landscape of cutaneous T cell lymphoma and dynamic response to HDAC inhibitors. *Cancer Cell*. 2017 Jul 10; 32(1): 27-41. *contributed equally [#]co-corresponding
31. Klementowicz JE, Mahne AE, Spence A, Nguyen V, **Satpathy AT**, Murphy KM, Tang Q. Cutting Edge: Origins, recruitment, and regulation of CD11c+ cells in inflamed islets of autoimmune diabetes mice. *J Immunol*. 2017 Jul 1; 199(1): 27-32.
32. Chen X, Shen Y, Draper W, Buenrostro JD, Litzgenberger U, Cho SW, **Satpathy AT**, Carter AC, Ghosh RP, East-Seletsky A, Doudna JA, Greenleaf WJ, Liphardt JT, Chang HY. ATAC-seq reveals the accessible genome by transposase-mediated imaging and sequencing. *Nat Methods*. 2016. Dec; 13(12): 1013-1020.
33. Atianand MK, Hu W, **Satpathy AT**, Shen Y, Ricci EP, Alvarez-Dominguez JR, Bhatta A, McGowan J, Schattgen SA, Blin J, Braun JE, Gandhi P, Moore MJ, Chang HY, Lodish HF, Caffrey DR, Fitzgerald KA. A long noncoding RNA lincRNA-EPS acts as a transcriptional brake to restrain inflammation. *Cell*. 2016 June 16; 165(7): 1672-1685.
34. **Satpathy AT**, Tan BT. Cellular morphology of BRAF V600E-positive Langerhans cell histiocytosis. *Blood*. 2015 Aug 27; 126(9): 320-321.
35. **Satpathy AT**, Chang HY. Long noncoding RNA in Hematopoiesis and Immunity. *Immunity*. 2015 May 19; 42(5): 792-804. Review.
36. **Satpathy AT**, Briseno CG, Cai X, Michael DG, Chou C, Hsiung S, Bhattacharya D, Speck NA, Egawa T. Runx1 and Cbfb regulate the development of Flt3+ dendritic cell progenitors and restrict myeloproliferative disorder. *Blood*. 2014 May 8; 123(19): 2968-77.
37. Haldar M, Kohyama M, So AY, KC W, Wu X, Briseno CG, **Satpathy AT**, Kretzer NM, Arase H, Rajasekaran N, Wang L, Egawa T, Igarashi K, Baltimore D, Murphy TL, Murphy KM. Heme-mediated SPI-C induction promotes monocyte differentiation into iron-recycling macrophages. *Cell*. 2014 Mar 13; 156(6): 1223-34.
38. KC W, **Satpathy AT**, Rapaport AS, Briseno CG, Wu X, Albring JC, Russler-Germain EV, Kretzer NM, Durai V, Persaud SP, Edelson BT, Loschko J, Cella M, Allen PM, Nussenzweig MC, Colonna M, Sleckman BP, Murphy TL, Murphy KM. L-Myc expression by dendritic cells is required for optimal T-cell priming. *Nature*. 2014 Mar 13; 507(7491): 243-7.
39. Epelman S, Lavine KJ, Beaudin AE, Sojka DK, Carrero JA, Calderon B, Brija R, Gautier EL, Ivanov S, **Satpathy AT**, Schilling JD, Schwendener R, Sergin I, Razani B, Forsberg EC, Yokoyama WM, Unanue ER, Colonna M,

Randolph GJ, Mann DL. Embryonic and adult-derived resident cardiac macrophages are maintained through distinct mechanisms at steady state and during inflammation. *Immunity*. 2014 Jan 16; 40(1): 91-104.

40. **Satpathy AT**, Briseno CG, Lee JS, Ng D, Manieri NA, Wu X, Thomas SR, KC W, Lee WL, Turkoz M, McDonald KG, Meredith MM, Guidos CJ, Stappenbeck TS, Ouyang W, Murphy TL, Nussenzweig MC, Gommerman JL, Kopan R, Colonna M, Murphy KM. Notch2-dependent classical dendritic cells orchestrate intestinal immunity to attaching and effacing bacterial pathogens. *Nat Immunol*. 2013 Sep; 14(9): 94-106. (Cover Article)
41. Gardner JM, Metzger TC, McMahon EJ, Au-Yeung BB, Krawisz AK, Lu W, Price JD, Johannes KP, **Satpathy AT**, Murphy KM, Tarbell KV, Weiss A, Anderson MS. Extrathymic Aire-expressing cells are a distinct bone marrow-derived population that induce functional inactivation of CD4⁺ T cells. *Immunity*. 2013 Sep 19; 39(3): 560-72.
42. Wu X*, **Satpathy AT***, KC W*, Liu P, Murphy TL, Murphy KM. Bcl11a controls Flt3 expression in early hematopoietic progenitors and is required for pDC development *in vivo*. *PLoS One*. 2013 May 31; 8(5): e64800.
*contributed equally
43. Zigmund E, Varol C, Farache J, Elmaliah E, **Satpathy AT**, Friedlander G, Mack M, Shpigl N, Boneca IG, Murphy KM, Shakhar G, Halpern Z, Jung S. Ly6Chi monocytes give in the inflamed colon rise to pro-inflammatory effector cells and migratory APCs. *Immunity*. 2012 Dec 14; 37(6): 1076-90.
44. **Satpathy AT**, Wu X, Albring JC, Murphy KM. Re(de)fining the dendritic cell lineage. *Nat Immunol*. 2012 Nov 16; 13(12): 1021-26. Review.
45. Tussiwand R, Lee WL, Murphy TL, Mashayekhi M, KC W, Albring JC, **Satpathy AT**, Rotondo JA, Edelson BT, Kretzer NM, Wu X, Weiss LA, Glasmacher E, Li P, Liao W, Behnke M, Lam SS, Aurthur CT, Leonard WJ, Singh H, Stallings CL, Sibley LD, Schreiber RD, Murphy KM. Compensatory dendritic cell development mediated by BATF-IRF interactions. *Nature*. 2012 Oct 25; 490(7421): 502-7.
46. Li L, Kim S, Herndon JM, Goedegebuure P, Belt BA, **Satpathy AT**, Fleming TP, Hansen TH, Murphy KM, Gillanders WE. Cross-dressed CD8⁺/CD103⁺ dendritic cells prime CD8⁺ T cells following vaccination. *Proc Natl Acad Sci U S A*. 2012 Jul 31; 109(31): 12716-21.
47. Cai M, Langer EM, Gill JG, **Satpathy AT**, Albring JC, KC W, Murphy TL, Murphy KM. Dual actions of *Meis1* inhibit erythroid progenitor development and sustain general hematopoietic cell proliferation. *Blood*. 2012 Jul 12; 120(2): 335-46.
48. **Satpathy AT**, KC W, Albring JC, Edelson BT, Kretzer NM, Bhattacharya D, Murphy TL, Murphy KM. Zbtb46 expression distinguishes classical dendritic cells and their committed progenitors from other immune lineages. *J Exp Med*. 2012 Jun 4; 209(6): 1135-52. (Cover Article)
49. Becker AM, Michael DG, **Satpathy AT**, Sciammas R, Singh H, Bhattacharya D. IRF-8 extinguishes neutrophil production and promotes dendritic cell lineage commitment in both myeloid and lymphoid mouse progenitors. *Blood*. 2012 Mar 1; 119(9): 2003-12.
50. **Satpathy AT**, Murphy KM, KC W. Transcription factor networks in dendritic cell development. *Semin Imm*. 2011 Oct; 23(5): 388-97. Review.
51. Albring JC, Sandau MM, Rapaport AS, Edelson BT, **Satpathy A**, Mashayekhi M, Lathrop SK, Hsieh CS, Stelljes M, Colonna M, Murphy TL, Murphy KM. Targeting of B and T lymphocyte associated (BTLA) prevents graft-versus-host disease without global immunosuppression. *J Exp Med*. 2010 Nov 22; 207(12): 2551-9.
52. Yalcin B, Nicod J, Bhomra A, Davidson S, Cleak J, Farinelli L, Osteras M, Whitley A, Yuan W, Gan X, Goodson M, Klenerman P, **Satpathy A**, Mathis D, Benoist C, Adams D, Mott R, Flint J. Commercially available outbred mice for genome-wide association studies. *PLoS Genetics*. 2010 Sep 2; 6(9). pii: e1001085.

53. Feuerer M, Jiang W, Holler PD, **Satpathy A**, Campbell C, Bogue M, Mathis D, Benoist C. Enhanced thymic selection of FoxP3+ regulatory T cells in the NOD mouse model of autoimmune diabetes. *Proc Natl Acad Sci U S A*. 2007 Nov 13; 104(46): 18181-6.
54. Johnson DR, O'Connor JC, **Satpathy A**, Freund GG. Cytokines in type 2 diabetes. *Vitam Horm*. 2006; 74:405-41. Review.
55. O'Connor JC, **Satpathy A**, Hartman ME, Horvath EM, Kelley KW, Dantzer R, Johnson RW, Freund GG. IL-1beta-mediated innate immunity is amplified in the db/db mouse model of type 2 diabetes. *J Immunol*. 2005 Apr 15; 174(8): 4991-7.

Complete List of publications for Ansuman Satpathy in MyBibliography:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/16Knhwu5xg7Qy/bibliography/52969003/public/?sort=date&direction=ascending>

F. PATENTS

1. Satpathy AT, Saligrama NS, Davis MM, Chang HY. Simultaneous measurement of RNA sequence and accessible chromatin sites in single- and ensemble cells. PCT application US2018/066592
2. Satpathy AT, Chang HY, Parker KP. Reducing neurotoxicity in CD19-directed immunotherapy by preventing pericyte activation. PCT application US078430-511P01
3. Chang HY, Satpathy AT, Parker KP, Posey AD, June CH. Use of inhibitory chimeric receptors to prevent T cell-induced BBB damage. PCT application US2020/9661408

G. TEACHING

- 2019 IMMUNOL206: Introduction to Applied Computational Tools in Immunology (Lecturer)
 2019 IMMUNOL201: Advanced Immunology I (Lecturer)

H. CLINICAL SERVICE/ACTIVITIES

- Aug 2019- Medical Director, Pre-analytical Clinical Pathology Laboratory, Stanford Hospital and Clinics

I. INVITED AND CONFERENCE SEMINARS

- Jul 2020 Association of Pathology Chairs 2020 Annual Conference, San Diego, CA
Single-cell genomics in checkpoint blockade and CAR-T cell immunotherapy
- Jun 2020 Vanderbilt Institute for Infection, Immunology, and Inflammation Annual Retreat, Nashville, TN
Single-cell genomics in checkpoint blockade and CAR-T cell immunotherapy
- Apr 2020 Virtual Cancer Symposium, 10x Genomics
Single-cell genomics in checkpoint blockade and CAR-T cell immunotherapy
- Nov 2019 TrialNet Emerging Technologies Conference, Washington D.C.
Single-cell epigenomics for complex human disease.
- Nov 2019 Stanford Cardiovascular Research Institute, Stanford, CA
Single-cell genome technologies for human disease.
- Nov 2019 Abbvie, San Francisco, CA
Single-cell genomics in cancer immunotherapy.
- Nov 2019 Arsenal Biosciences, San Francisco, CA
Epigenomic technologies for T cell exhaustion.
- Oct 2019 American Society of Human Genetics, Houston, TX
Single-cell genomics in cancer immunotherapy.
- Oct 2019 Parker Institute of Cancer Immunotherapy Annual Conference, Knoxville, TN
Clonal T cell replacement after PD-1 blockade.
- Sep 2019 Stanford Immunology Lecture Series, Stanford, CA
Single-cell genomics in cancer immunotherapy.
- Sep 2019 Immunai Lecture Series, Tel Aviv, Israel
Single-cell technologies for cancer immunotherapy.
- Aug 2019 Cancer Research Institute Immunotherapy Think Tank, New York, NY
Single-cell epigenomics in cancer immunology.
- Aug 2019 Verily Lecture Series, San Francisco, CA

Jun 2019 *Single-cell genomics in cancer immunotherapy.*
 CYTO2019, 34th Congress of the Int. Society for Advancement of Cytometry, Vancouver, Canada

Jun 2019 *Single-cell genomics in cancer immunotherapy.*
 The Federation of Clinical Immunology Societies Annual Meeting, Boston, MA.

Apr 2019 *Single-cell genomics in cancer immunotherapy.*
 10x Genomics Symposium, San Francisco, CA

Apr 2019 *Single-cell genomics in cancer immunotherapy.*
 Parker Institute for Cancer Immunotherapy Annual Conference, St. Helena, CA.

Nov 2018 *Single-cell genomics in cancer immunotherapy.*
 Stanford University, Department of Pathology, Stanford, CA

Oct 2018 *3D and single-cell epigenome technologies for precision immune profiling.*
 University of California, San Francisco, ImmunoX Seminar Series, San Francisco, CA

Sep 2018 *3D and single-cell epigenome technologies for precision immune profiling.*
 Washington University in St. Louis, Department of Pathology and Immunology, St. Louis, MO

Sep 2018 *3D and single-cell epigenome technologies for precision immune profiling.*
 New York University, Department of Pathology, New York, NY

Sep 2018 *3D and single-cell epigenome technologies for precision immune profiling.*
 Yale University, Department of Laboratory Medicine, New Haven, CT

Sep 2018 *3D and single-cell epigenome technologies for precision immune profiling.*
 Columbia University, Department of Pathology and Cell Biology, New York, NY

Aug 2018 *3D and single-cell epigenome technologies for precision immune profiling.*
 BD Synergies Symposium, Advances in Immuno-Oncology Research, San Jose, CA.

Jun 2018 *3D and single-cell epigenome technologies for precision immune profiling.*
 1st Annual Conference on the Future of Vaccine Development, Los Angeles, CA.

Jun 2018 *Precision epigenome technologies for human immunology.*
 University of Pennsylvania, Department of Pathology and Laboratory Medicine, Philadelphia, PA

May 2018 *3D and single-cell epigenome technologies for precision immune profiling.*
 Baylor University, Department of Pathology and Immunology, Houston, TX

Mar 2018 *Epigenome technologies for precision immune profiling.*
 UT Health Center Department of Medicine, Houston, TX.

Feb 2018 *Epigenomic technologies for human autoimmunity.*
 5th Human Genetics in NYC Conference, New York, NY.

Jan 2018 *Enhancer connectome in primary cells reveals targets of disease-associated DNA elements.*
 Midwinter Conference of Immunologists, Asilomar, CA.

Nov 2017 *Enhancer connectome in primary cells reveals targets of disease-associated DNA elements.*
 Parker Institute for Cancer Immunotherapy Annual Conference, Miami, FL.

Oct 2017 *Mapping the enhancer connectome in primary human T cells.*
 Parker Institute Science Club, San Francisco, CA.

Oct 2017 *Epigenome sequencing technologies for cancer immunotherapy applications.*
 Third International Cancer Immunotherapy Conference, Mainz, Germany.

Oct 2017 *Single-cell epigenomics for precision T cell profiling.*
 Stanford Cancer Immunotherapy Symposium, Stanford, CA.

Jun 2017 *Mapping the enhancer connectome in primary human T cells.*
 The Federation of Clinical Immunology Societies Annual Meeting, Chicago, IL.

Sep 2016 *Enhancer connectome in primary T cells reveals targets of disease-associated DNA elements.*
 NIH Center of Excellence in Genomic Science Meeting, Stanford, CA.

Apr 2014 *Regulome dissection of twins divergent for autoimmune disease.*
 10th Annual ASCI/APSA Meeting, Chicago, IL.

Oct 2012 *Zbtb46 expression identifies classical dendritic cells.*
 12th International Dendritic Cell Symposium, Daegu, South Korea.

May 2011 *Zbtb46 expression distinguishes classical dendritic cells from other immune lineages.*
 98th American Association of Immunologists Meeting, San Francisco, CA.

Zbtb46 expression distinguishes classical dendritic cells from other immune lineages.

J. AD HOC SCIENTIFIC REVIEWER

Nature Biotechnology, Nature Immunology, JAMA, Immunity, Cell, Nature, Molecular Cell, Proceedings of the National Academy of Sciences, Nature Cancer, Nature Methods

K. OTHER ACADEMIC SERVICE

June 2020 National Cancer Institute/NIH, Subcommittee I, K99 Study Section Member

Oct 2019 National Cancer Institute/NIH, Subcommittee J, K08/K01 Study Section Member

L. INDUSTRY EXPERIENCE

Scientific Founder, Immunai, New York, NY (Jan 2019-)