Anjelica Louise Martin, BS, RLATg

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Education:

2015	BS, University of Connecticut, Animal Science, Mansfield, CT
2014	Study Abroad, International Studies Institute (ISI) Florence, Sustainable Food and Environmental Systems Education Abroad Program, Florence, Tuscany

Certifications:

American Association for Laboratory Animal Science (AALAS)

2020	Laboratory Animal Technologist (LATg)
2017	Laboratory Animal Technician (LAT)
2017	Assistant Laboratory Animal Technician (ALAT)

Professional Honors & Recognition:

2023	*1st place poster award in Neuro-Immune category*, ASAP Collaborative Meeting: London
2021	*Staff Service Recognition Award for Five Years of Service*, Yale University

Professional & Public Service:

2023 - Present	Elected Board Member: Webmaster, Southern New England American Association for Laboratory Animal Science (SNEAALAS)
2020 - Present	Member, Southern New England American Association for Laboratory Animal Science (SNEAALAS)
2016 - Present	Member, American Association for Laboratory Animal Science (AALAS)
2022	Ad Hoc Reviewer, American Association for Laboratory Animal Science
2022 - Present	Volunteer Trombonist, Yale Medical Symphony Orchestra, Yale University School of Medicine
2020 - Present	Volunteer Communications Co-Chair, Yale LGBTQ Affinity Group, Yale University
2020 - Present	Volunteer Co-Chair & Board Member, YSM Dean's Advisory Council on LGBTQIA+ Affairs, Yale University School of Medicine
2022	Volunteer Health Equity Thread Facilitator, Internal Medicine Clerkship Precede, Yale University School of Medicine
2022	Volunteer Focus Group Participant, Office of Public Affairs and Communications: Internal Communications, Yale University
2020	Volunteer, Yale IMPACT Research Team, COVID-19 Biorepository, Yale University
2019	Volunteer Training Focus Group Participant, Institutional Animal Care & Use Committee (IACUC), Yale University
2022, 2023	Volunteer Public School Science Fair Judge, New Haven Public Schools
2020, 2021	Volunteer Haunted Road Participant, New Haven Youth and Recreation Department

Presentations:

2023	Aligning Science Across Parkinson's (ASAP) Collaborative Meeting: London – poster presentation, 1st place award in Neuro-Immune category; *The Effect of Gut Microbiome Transplantation in a Prodromal Parkinson's Model*

Bibliography:

Peer-Reviewed Original Research

1. Gronke K, Nguyen M, Santamaria N, Schumacher J, Yang Y, Sonnert N, Leopold S, **Martin AL**, Hallet R, Richter K, Schubert DA, Daniel GM, Dylus D, Forkel M, Vieira SM, Schwinge D, Schramm C, Lassen KG, Piali L, Palm NW, Bieniossek C, Kriegel MA. Human Th17- and IgG3-associated autoimmunity induced by a translocating gut pathobiont. bioRxiv [Preprint]. 2023 Jul 1:2023.06.29.546430. doi: 10.1101/2023.06.29.546430. PMID: 37425769; PMCID: PMC10327010.

2. Yang Y, Nguyen M, Khetrapal V, Sonnert ND, **Martin AL**, Chen H, Kriegel MA, Palm NW. Within-host evolution of a gut pathobiont facilitates liver translocation. Nature. 2022 Jul;607(7919):563-570. doi: 10.1038/s41586-022-04949-x. Epub 2022 Jul 13. PMID: 35831502; PMCID: PMC9308686.

3. Cao Y, Oh J, Xue M, Huh W, Wang J, Gonzalez-Hernandez J, Rice T, **Martin A**, Song D, Crawford J, Herzon S, Palm N.Commensal microbiota from patients with inflammatory bowel disease produce genotoxic metabolites. Science378, eabm3233(2022). DOI:10.1126/science.abm3233

4. Rice TA, Bielecka AA, Nguyen MT, Rosen CE, Song D, Sonnert ND, Yang Y, Cao Y, Khetrapal V, Catanzaro JR, **Martin AL**, Rashed SA, Leopold SR, Hao L, Yu X, van Dijk D, Ring AM, Flavell RA, de Zoete MR, Palm NW. Interspecies commensal interactions have nonlinear impacts on host immunity. Cell Host Microbe. 2022 Jul 13;30(7):988-1002.e6. doi: 10.1016/j.chom.2022.05.004. Epub 2022 May 30. PMID: 35640610; PMCID: PMC9283318.

5. Lucas C, Wong P, Klein J, Castro TBR, Silva J, Sundaram M, Ellingson MK, Mao T, Oh JE, Israelow B, Takahashi T, Tokuyama M, Lu P, Venkataraman A, Park A, Mohanty S, Wang H, Wyllie AL, Vogels CBF, Earnest R, Lapidus S, Ott IM, Moore AJ, Muenker MC, Fournier JB, Campbell M, Odio CD, Casanovas-Massana A, **Yale IMPACT Team**, Herbst R, Shaw AC, Medzhitov R, Schulz WL, Grubaugh ND, Dela Cruz C, Farhadian S, Ko AI, Omer SB, Iwasaki A. Longitudinal analyses reveal immunological misfiring in severe COVID-19. Nature 2020, 584: 463-469. PMID: 32717743, PMCID: PMC7477538, DOI: 10.1038/s41586-020-2588-y.

6. Takahashi T, Ellingson MK, Wong P, Israelow B, Lucas C, Klein J, Silva J, Mao T, Oh JE, Tokuyama M, Lu P, Venkataraman A, Park A, Liu F, Meir A, Sun J, Wang EY, Casanovas-Massana A, Wyllie AL, Vogels CBF, Earnest R, Lapidus S, Ott IM, Moore AJ, **Yale IMPACT Research Team**, Shaw A, Fournier JB, Odio CD, Farhadian S, Dela Cruz C, Grubaugh ND, Schulz WL, Ring AM, Ko AI, Omer SB, Iwasaki A. Sex differences in immune responses that underlie COVID-19 disease outcomes. Nature 2020, 588: 315-320. PMID: 32846427, PMCID: PMC7725931, DOI: 10.1038/s41586-020-2700-3.

7. Klein J, Brito AF, Trubin P, Lu P, Wong P, Alpert T, Peña-Hernández MA, Haynes W, Kamath K, Liu F, Vogels CBF, Fauver JR, Lucas C, Oh J, Mao T, Silva J, Wyllie AL, Muenker MC, Casanovas-Massana A, Moore AJ, Petrone ME, Kalinich CC, **Yale IMPACT Research Team**, Cruz CD, Farhadian S, Ring A, Shon J, Ko AI, Grubaugh ND, Israelow B, Iwasaki A, Azar MM. Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. MedRxiv : The Preprint Server For Health Sciences 2021 PMID: 33791729, PMCID: PMC8010761, DOI: 10.1101/2021.03.24.21253992.

8. Klein J, Brito A, Trubin P, Lu P, Wong P, Alpert T, Pena-Hernandez M, Haynes W, Kamath K, Liu F, Vogels C, Fauver J, Lucas C, Oh JE, Mao T, Silva J, Wyllie A, Muenker MC, Casanovas-Massana A, Moore A, Petrone M, Kalinich C, **Yale IMPACT Research Team**, Cruz CD, Farhadian S, Ring A, Shon J, Ko A, Grubaugh N, GoldmanIsraelow B, Iwasaki A, Azar M. Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. Research Square 2021 PMID: 34013255, PMCID: PMC8132249, DOI: 10.21203/rs.3.rs-405958/v1.

9. Lucas C, Klein J, Sundaram ME, Liu F, Wong P, Silva J, Mao T, Oh JE, Mohanty S, Huang J, Tokuyama M, Lu P, Venkataraman A, Park A, Israelow B, Vogels CBF, Muenker MC, Chang CH, CasanovasMassana A, Moore AJ, Zell J, Fournier JB, **Yale IMPACT Research Team,** Wyllie AL, Campbell M, Lee AI, Chun HJ, Grubaugh ND, Schulz WL, Farhadian S, Dela Cruz C, Ring AM, Shaw AC, Wisnewski AV, Yildirim I, Ko AI, Omer SB, Iwasaki A. Author Correction: Delayed production of neutralizing antibodies correlates with fatal COVID-19. Nature Medicine 2021, 27: 1309. PMID: 34145437, PMCID: PMC8212078, DOI: 10.1038/s41591-021-01416-4.

10. Cai Y, Kim DJ, Takahashi T, Broadhurst DI, Yan H, Ma S, Rattray NJW, Casanovas-Massana A, Israelow B, Klein J, Lucas C, Mao T, Moore AJ, Muenker MC, Oh JE, Silva J, Wong P, **Yale IMPACT Research Team**, Ko AI, Khan SA, Iwasaki A, Johnson CH. Kynurenic acid may underlie sex-specific immune responses to COVID-19. Science Signaling 2021, 14 PMID: 34230210, PMCID: PMC8432948, DOI: 10.1126/scisignal.abf8483.

11. Haynes WA, Kamath K, Bozekowski J, Baum-Jones E, Campbell M, Casanovas-Massana A, Daugherty PS, Dela Cruz CS, Dhal A, Farhadian SF, Fitzgibbons L, Fournier J, Jhatro M, Jordan G, Klein J, Lucas C, Kessler D, Luchsinger LL, Martinez B, Catherine Muenker M, Pischel L, Reifert J, Sawyer JR, Waitz R, Wunder EA, Zhang M, **Yale IMPACT Team**, Iwasaki A, Ko A, Shon JC. High-resolution epitope mapping and characterization of SARS-CoV-2 antibodies in large cohorts of subjects with COVID-19. Communications Biology 2021, 4: 1317. PMID: 34811480, PMCID: PMC8608966, DOI: 10.1038/s42003-021-02835-2.

12. Kuchroo M, Huang J, Wong P, Grenier JC, Shung D, Tong A, Lucas C, Klein J, Burkhardt DB, Gigante S, Godavarthi A, Rieck B, Israelow B, Simonov M, Mao T, Oh JE, Silva J, Takahashi T, Odio CD, Casanovas-Massana A, Fournier J, **Yale IMPACT Team**, Farhadian S, Dela Cruz CS, Ko AI, Hirn MJ, Wilson FP, Hussin JG, Wolf G, Iwasaki A, Krishnaswamy S. Multiscale PHATE identifies multimodal signatures of COVID19. Nature Biotechnology 2022 PMID: 35228707, DOI: 10.1038/s41587-021-01186-x.