

Curriculum Vitae

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Education

8/2014-12/2017	Bachelor of Science, Physics	Emory University
8/2023-6/2027	Doctor of Medicine (Expected)	University of Massachusetts

Professional positions

8/2016-12/2017	Teaching Assistant, Physics	Emory University
1/2017-12/2017	Research Assistant, Experimental Biophysics	Emory University
6/2018-6/2019	Category Specialist, Electronics and Entertainment	Walmart U.S. eCommerce
9/2019-6/2023	Clinical Research Assistant, Infectious Diseases	Brigham and Women's Hospital

Awards, honors, and prizes

2014	Ontario Scholar	Iroquois Ridge High School
2014	Halton District School Board Proficiency Award	Iroquois Ridge High School
2014	Senior Book Award, Physics	Iroquois Ridge High School
2015	Dean's List	Emory University
2015	Emory College Grant	Emory University
2015	W.C. McWhorter Family Grant	Emory University
2017	Sigma Pi Sigma	Emory University
2022	Honorable Mention, Research Staff Excellence Award	Brigham and Women's Hospital
2023	Trainee and Young Faculty ATC 2023 Travel Grant	American Society of Transplantation

Community service, leadership, and outreach

8/2015-12/2017	Volunteer	Emory Clinic
5/2016-8/2017	Volunteer	Newton-Wellesley Urgent Care Center
2/2021-7/2023	Volunteer	Brookline Senior Center Chess Club
3/2022-9/2023	Member, Board of Directors	Boylston Chess Foundation
9/2023-	Member, Interprofessional Trainee Quality Council	University of Massachusetts
9/2023-9/2024	House Representative, Learning Communities	University of Massachusetts
10/2023-	Class Representative, Student Body Committee	University of Massachusetts
1/2024-1/2025	Treasurer, Student Body Committee	University of Massachusetts
1/2024-1/2025	Co-leader, Internal Medicine Interest Group	University of Massachusetts

Professional Societies

2014-	Society of Physics Students	Member
2023-	American Society of Transplantation	Member
2023-	American College of Physicians	Member
2023-	Infectious Diseases Society of America	Member
2023-	American College of Cardiology	Member
2023-	Massachusetts Medical Society	Member
2023-	American Medical Association	Member

Editorial Activities

2023-	Open Forum Infectious Diseases	Ad-hoc reviewer
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Scholarship

Peer reviewed publications in print or other media

1. Weber BN, Zhou G, **Kim A**, Pearson JC, Stone J, DiCarli M, Nikiforow S, Woolley A. Impact of Interleukin-6 Receptor Blockade With Tocilizumab on Cardiac Injury in Patients With COVID-19: A Retrospective Cohort Study. *Open Forum Infect Dis*. 2021;8(2). doi:10.1093/ofid/ofab012
2. Moll M, Zon RL, Sylvester KW, Rimsans J, Chen EC, Ghosh AJ, Abston E, **Kim A**, Rutherford H, Mitre X, Hakim A, Connell NT, Battinelli E, Fredenburgh LE, Baron RM, Hobbs BD, Cho MH, Mittleman MA, Woolley AE, Connors JM. Intermediate versus standard dose heparin prophylaxis in COVID-19 ICU patients: A propensity score-matched analysis. *Thromb Res*. 2021;203:57-60. doi:10.1016/j.thromres.2021.04.009
3. Weber BN, Siddiqi H, Zhou G, Vieira J, **Kim A**, Rutherford H, Mitre X, Feeley M, Oganezova K, Varshney AS, Bhatt AS, Nauffal V, Atri DS, Blankstein R, Karlson EW, Di Carli M, Baden LR, Bhatt DL, Woolley AE. Relationship Between Myocardial Injury During Index Hospitalization for SARS-CoV-2 Infection and Longer-Term Outcomes. *J Am Heart Assoc*. 2022;11:e022010. doi:10.1161/JAHA.121.022010
4. Yen TE, **Kim A**, Benson ME, Ratnaparkhi S, Woolley AE, Mc Causland FR. Serum Sodium, Patient Symptoms, and Clinical Outcomes in Hospitalized Patients with COVID-19. *J Prim Care Community Health*. 2022;13:21501319211067349. doi:10.1177/21501319211067349
5. North CM, Barczak A, Goldstein RH, Healy BC, Finkelstein DM, Ding DD, **Kim A**, Boucau J, Shaw B, Gilbert RF, Vyas T, Reynolds Z, Siddle KJ, MacInnis BL, Regan J, Flynn JP, Choudhary MC, Vyas JM, Laskowski K, Dighe AS, Lemieux JE, Li JZ, Baden LR, Siedner MJ, Woolley AE, Sacks CA. Determining the Incidence of Asymptomatic SARS-CoV-2 among Early Recipients of COVID-19 Vaccines: A Prospective Cohort Study of Healthcare Workers before, during and after Vaccination [DISCOVER-COVID-19]. *Clin Infect Dis*. 2022;74(7):1275-1278. doi:10.1093/CID/CIAB643
6. Naz-McLean S, **Kim A**, Zimmer A, Laibinis H, Lapan J, Tyman P, Hung J, Kelly C, Nagireddy H, Narayanan-Pandit S, McCarthy M, Ratnaparkhi S, Rutherford H, Patel R, Dryden-Peterson S, Hung DT, Woolley AE, Cosimi LA. Feasibility and lessons learned on remote trial implementation from TestBoston, a fully remote, longitudinal, large-scale COVID-19 surveillance study. *PLoS One*. 2022; 17(6):e0269127. doi:10.1371/journal.pone.0269127
7. Woolley AE, Dryden-Peterson S, **Kim A**, Naz-McLean S, Kelly C, Laibinis HH, Bagnall J, Livny J, Ma P, Orzechowski M, Shores N, Gabriel S, Hung DT, Cosimi LA. At-home Testing and Risk Factors for Acquisition of SARS-CoV-2 Infection in a Major US Metropolitan Area. *Open Forum Infect Dis*. 2022; 9(11):ofac505. doi:10.1093/ofid/ofac505
8. Weber B, Parks S, Huck DM, **Kim A**, Bay C, Brown JM, Divakaran S, Hainer J, Bibbo C, Taqueti V, Dorbala S, Blankstein R, Woolley AE, Di Carli MF. Prior SARS-CoV-2 Infection is associated with Coronary Vasomotor Dysfunction as assessed by Coronary Flow Reserve from Cardiac Positron Emission Tomography. *J Am Heart Assoc*. 2022;11(20):e025844. doi:10.1161/JAHA.122.025844
9. Dryden-Peterson S, **Kim A**, Joyce M, Johnson JA, Kim AY, Baden LR, Woolley AE. Bebtelovimab for high-risk outpatients with early COVID-19 in a large US health system. *Open Forum Infect Dis*. 2022; 9(11):ofac565. doi:10.1093/ofid/ofac565
10. Dryden-Peterson S, **Kim A**, Kim AY, Caniglia EC, Lennes I, Patel R, Gainer L, Dutton L, Donahue E, Gandhi RT, Baden LR, Woolley AE. Nirmatrelvir plus ritonavir for early COVID-19 and hospitalization in a large US health system. *Ann Intern Med*. 2022;M22-2141. doi:10.7326/M22-2141
11. Bebell LM, Woolley AE, James KE, **Kim A**, Joyc M, Gray KJ, Radford C, Bassett IV, Boatina AA, Ciaranello AL, Yawetz S, Edlow AG, Goldfarb IT, Diouf K. Eighteen-Month Outcomes Among Pregnant and Nonpregnant Reproductive-Aged People Hospitalized for Coronavirus Disease 2019. *Open Forum Infect Dis*. 2024; 11(7): ofae278. doi:10.1093/ofid/ofae278
12. Kakoullis L, Alonso CD, Burns R, Aleissa MM, Arbona Haddad E, **Kim AJ**, Rooks R, Yates, B, Kanwal U, Morreale NP, Morgan A, Arnaout R, Tong A, Izaguirre NE, Little JS, Hammond SP, Montgomery MW, Sherman AC, Maguire JH, Woolley AE, Baden LR, Issa NC, Harris CE. Comparative Outcomes of Babesiosis in Immunocompromised and Non-Immunocompromised Hosts: A Multicenter Cohort Study. *Clin Infect Dis*. 2025; . doi:10.1093/CID/CIAF034
13. Dryden-Peterson S, **Kim A**, Caniglia EC, Joyce M, Rubins D, Kim AY, Fangman J, Baden LR, Woolley AE. Severe outcomes of COVID-19 among adults with increased risk conditions; a population-based observation study. *PLoS One*. 2025; 20(2): e0316529. doi:10.1371/journal.pone.0316529

Peer-reviewed publications with consortia authorship

1. Stone JH, Frigault MJ, Serling-Boyd NJ, Fernandes AD, Harvey L, Foulkes AS, Horick NK, Healy BC, Shah R, Bansaci AM, Woolley AE, Nikiforow S, Lin N, Sagar M, Schrager H, Huckins DS, Axelrod M, Pincus MD, Fleisher J, Sacks CA, Dougan M, North CM, Halvorsen YD, Thurber TK, Dagher Z, Scherer A, Wallwork RS, Kim AY, Schoenfeld S, Sen P, Neilan TG, Perugino CA, Unizony SH, Collier DS, Matza MA, Tinh JM, Bowman KA, Meyerowitz E, Zafar A, Drobni ZD, Bolster MB, Kohler M, D'Silva KM, Dau J, Lockwood MM, Cubbison C, Weber BN, Mansour MK; **BACC Bay Tocilizumab Trial Investigators**. Efficacy of Tocilizumab in Patients Hospitalized with Covid-19. *N Engl J Med*. 2020;383(24):2333-2344. doi:10.1056/NEJMoa2028836
2. Baden LR, El Sahly HM, Essink B, Kotloff K, Frey S, Novak R, Diemert D, Spector SA, Rouphael N, Creech CB, McGettigan J, Khetan S, Segall N, Solis J, Brosz A, Fierro C, Schwartz H, Neuzil K, Corey L, Gilbert P, Janes H, Follmann D, Marovich M, Mascola J, Polakowski L, Ledgerwood J, Graham BS, Bennett J, Pajon R, Knightly C, Leav B, Deng W, Zhou H, Han S, Ivarsson M, Miller J, Zaks T; **COVE Study Group**. Efficacy and Safety of the mRNA-1273 SARS-CoV-2 Vaccine. *N Engl J Med*. 2021;384(5):403-16. doi:10.1056/NEJMoa2035389
3. El Sahly HM, Baden LR, Essink B, Doblecki-Lewis S, Martin JM, Anderson EJ, Campbell TB, Clark J, Jackson LA, Fichtenbaum CJ, Zervos M, Rankin B, Eder F, Feldman G, Kennelly C, Han-Conrad L, Levin M, Neuzil KM, Corey L, Gilbert P, Janes H, Follmann D, Marovich M, Polakowski L, Mascola JR, Ledgerwood JE, Graham BS, August A, Clouting H, Deng W, Han S, Leav B, Manzo D, Pajon R, Schodel F, Tomassini JE, Zhou H, Miller J; **COVE Study Group**. Efficacy of the mRNA-1273 SARS-CoV-2 Vaccine at Completion of Blinded Phase. *N Engl J Med*. 2021;385(19):1774-85. doi:10.1056/NEJMoa2113017
4. El Sahly HM, Baden LR, Essink B, Montefiori D, McDermont A, Rupp R, Lewis M, Swaminathan S, Griffin C, Fragoso V, Miller VE, Girard B, Paila YD, Deng W, Tomassini JE, Paris R, Schodel F, Das R, August A, Leav B, Miller JM, Zhou H, Pajon R; **Coronavirus Efficacy (COVE) Study Group**. Humoral Immunogenicity of the mRNA-1273 Vaccine in the Phase 3 Coronavirus Efficacy (COVE) Trial. *J Infect Dis*. 2022;226(10):1731-1742. doi:10.1093/infdis/jiac188
5. Lin D, Baden LR, Sahly HM, Essink B, Neuzil KM, Corey L, Miller J; **COVE Study Group**. Durability of Protection Against Symptomatic COVID-19 Among Participants of the mRNA-1273 SARS-CoV-2 Vaccine Trial. *JAMA Netw Open*. 2022;5(6):e2215984. doi:10.1001/jamanetworkopen.2022.15984

Non-peer reviewed publications in print or other media

1. Eraslan B, Brown E, Benson M, Amir-Zilberstein L, Park S, Tusi B, Pokatayev V, Hecht C, Pishesha N, **Kim A**, Zhang S, Gaca A, Chantous F, Delorey T, Livny J, Baden L, Rozanblatt-Rosen O, Graham D, Regev A, Seaman M, Woolley A, Cosimi L, Hung D, Derguine J, Xavier R. Functional analyses and single cell immunoprofiling uncover sex-specific differences in SARS-CoV2 immune memory development. *Res Sq*. 2022;rs.3.rs-1416969. doi:10.21203/RS.3.RS-1416969/V1

Abstracts, poster presentations, and exhibits presented at professional meetings

1. Woolley AE, Goldberg HJ, Singh SK, Givertz MM, Mehra MR, Coppolino A, Cheng V, **Kim J**, Fanikos J, Harrington DP, Mallidi HR, Baden LR. DONATE HCV Trial – 2 Year Update. IDWeek, October 2019. Oral Presentation.
2. Kanjilal S, Baker M, Woolley AE, Rhee C, Petrides AK, **Kim J**, Patel R, Zaffini R, Klompas M, Brigl M. 427. Variation in SARS-CoV-2 molecular diagnostic test performance in symptomatic versus asymptomatic populations. *Open Forum Infect Dis*. 2020;7(Supplement_1):S280. doi:10.1093/ofid/ofaa439.621
3. Woolley AE, Goldberg HJ, Singh SK, Mehra MR, Givertz MM, Coppolino A, Sharma NS, Keshk MA, Rinewalt DE, **Kim A**, Rutherford H, Fankos J, Harrington D, Mallidi HR, Baden LR. Long-Term Outcomes in Heart and Lung Transplants from HCV-Viremic Donors to Uninfected Recipients: The Donate HCV Trial. *J Hear Lung Transplant*. 2021;40(4):S73. doi:10.1016/j.healun.2021.01.1919
4. Weber B, Siddiqi H, Vieira J, Zhou G, **Kim A**, Rutherford H, Mitre X, Feeley M, Oganezova K, Varshney A, Bhatt A, Nauffal V, Atri D, Blankstein R, DeCarli M, Baden L, Bhatt D, Woolley A. RELATIONSHIPS BETWEEN MYOCARDIAL INJURY, INDEX HOSPITALIZATION CHARACTERISTICS, AND LONGER-TERM OUTCOMES IN SARS-COV-2 INFECTION. *J Am Coll Cardiol*. 2021;77(18):3025. doi:10.1016/S0735-1097(21)04380-1
5. Siddiqi H, Vieira J, Zhou G, Weber B, **Kim A**, Rutherford H, Varshney A, Bhatt A, Woolley A, Nohria A. CARDIOVASCULAR COMPLICATIONS IN HOSPITALIZED PATIENTS WITH SARS-COV-2 INFECTION AND HISTORY OF CANCER. *J Am Coll Cardiol*. 2021;77(18):3097. doi:10.1016/S0735-1097(21)04452-1

6. Siddiqi H, Vieira J, Weber B, **Kim A**, Rutherford H, Varshney A, Bhatt A, Mehra M, Woolley A, Stewart G. STATIN USE AND OUTCOMES IN HOSPITALIZED PATIENTS WITH SARS-COV-2 INFECTION. *J Am Coll Cardiol*. 2021;77(18):3091. doi:10.1016/S0735-1097(21)04446-6
7. Powell M, Sherman AC, Klopfer J, Desjardins M, Cheng C, Gilboa T, Senussi Y, Ratnaparkhi S, Mitre X, Feeley M, Avila Paz A, **Kim AJ**, Rutherford H, Cauley J, Kim A, Park J, Liakos A, Woolley A, Walt D, Baden L. Longitudinal Assessment of Humoral Responses to COVID-19 Vaccines in Solid Organ Transplant Recipients. *Open Forum Infect Dis*. 2021;8(Supplement_2):S16-S17. doi:10.1093/ofid/ofab466.024
8. Weber B, Parks S, **Kim A**, Bay C, Brown J, Divakaran S, Hainer J, Bibbo C, Taqueti VR, Dorbala S, Blankstein R, Woolley A, DiCarli M. PRIOR SARS-COV-2 INFECTION IS ASSOCIATED CORONARY VASOMOTOR DYSFUNCTION AS ASSESSED BY CORONARY FLOW RESERVE FROM CARDIAC POSITRON EMISSION TOMOGRAPHY. *J Nucl Cardiol*. 2021;28(5):2451. doi:10.1007/s12350-021-02760-1
9. Yen TE, **Kim A**, Rutherford H, Ratnaparkhi S, Woolley AE, McCausland FR. Serum Sodium and Patient Symptoms in COVID-19 Hospitalizations. *J Am Soc Nephrol*. 2021;32(Supplement):106.
10. Harris CE, Coakley L, Zhou G, Frankel K, Matiello E, Melanson F, Montoya K, Hickey M, **Kim A**, Rinewalt D, Givertz MM, Stewart G, Mallidi HR, Mehra MR, Baden LR, Woolley AE. The Impact of Left Ventricular Assist Device Infections on Clinical Outcomes. *J Hear Lung Transplant*. 2022;41(4):S283. doi:10.1016/j.healun.2021.01.695
11. Jering K, **Kim A**, Frankel K, Coakley L, Weber B, Harris C, Ellis EJ, Givertz MM, Mallidi HR, Baden LR, Mehra MR, Woolley AE. Antibody Responses to COVID-19 Vaccination in Patients with Left Ventricular Assist Devices. *J Hear Lung Transplant*. 2022;41(4):S77. doi:10.1016/j.healun.2022.01.177
12. Woolley AE, Sharma N, Zhou G, **Kim A**, Ryan E, Joyce M, Goldberg H, Givertz M, Mehra M, Woodcome E, Durney V, Marshall S, Townsend K, Coppolino A, Tullius S, Malek S, Mallidi H, Baden L, Chandraker A. Humoral Response After a Third Dose of SARS-CoV-2 mRNA Vaccine in Transplant Recipients. ATC, June 2022. Oral Presentation.
13. **Kim AJ**, Goldberg HJ, Thaniyavarn T, Kennedy JC, Coppolino A, Mallidi HR, Lee SF, Joyce MM, Kovac V, Issa NC, Harris CE, LaCasce AS, Sharma NS, Baden LR, Woolley AE. Epstein-Barr Virus Surveillance in Lung Transplantation: Post-transplant Lymphoproliferative Disorder and Impact on Survival. *Open Forum Infect Dis*. 2022;9(Supplement_2):S150. doi:10.1093/ofid/ofac492.286
14. Harris CE, Mehta A, **Kim AJ**, Goldberg HJ, Mallidi HR, Townsend K, Coppolino A, Thaniyavarn T, Kennedy JC, Lee SF, Durney V, Marshall S, Fenty-Scotland J, Cosimi LA, Kovac V, Issa NC, Baden LR, Sharma NS, Woolley AE. The Impact of Staphylococcus aureus Peri-transplant Cultures on Six-Month Outcomes in Lung Transplantation. *Open Forum Infect Dis*. 2022;9(Supplement_2):S856. doi:10.1093/ofid/ofac492.1744
15. **Kim A**, Joyce MR, Sharma NS, Goldberg HJ, Mehra MR, Givertz MM, Mallidi HR, Itoh A, Coppolino A, Keshk MA, Woodcome EL, Durney V, Harris CE, Kovac V, Issa NC, LaCasce AS, Baden LR, Woolley AE. Optimizing Epstein-Barr Virus Surveillance in Thoracic Transplantation for Early Diagnosis of Post-Transplant Lymphoproliferative Disorder. ATC, June 2023. Oral Presentation.
16. Pries-Heje MM, **Kim AJ**, Joyce MM, Hartman DJ, Connolly EM, Itoh A, Cunningham M, O’Gara P, Sun Y, Maguire J, Aghayev A, Weber BN, Di Carli M, Suzuki J, Buenrostro Ramirez Y, Iversen KK, Baden LR, Bundgaard H, Woolley AE. Potential candidates for partial oral treatment in patients with endocarditis at a US center. *Open Forum Infect Dis*. 2023;10(Supplement_2):S1037. doi:10.1093/ofid/ofad500.2029
17. Harris CE, Kakoullis L, Aleissa MM, Arbona Haddad E, **Kim AJ**, Rooks R, Yates B, Kanwal U, Izaguirre NE, Little JS, Hammond SP, Montgomery MW, Sherman AC, Maguire J, Woolley AE, Baden LR, Issa NC. Complications of Babesiosis in Immunocompromised and Asplenic/Hyposplenic Patients. *Open Forum Infect Dis*. 2023;10(Supplement_2):S1187-S1188. doi:10.1093/ofid/ofad500.2325
18. Kovac V, Goldberg HJ, **Kim AJ**, Joyce MM, Mallidi HR, Coppolino A, Townsend K, Thaniyavarn T, Kennedy JC, Lee SF, Durney V, Liakos A, Harris CE, Little JS, Sherman AC, Issa NC, Baden LR, Sharma NS, Woolley AE. Invasive Fungal Disease in Lung Transplant Recipients: Incidence, Risk Factors, and Outcomes. *Open Forum Infect Dis*. 2023;10(Supplement_2):S1192-S1193. doi:10.1093/ofid/ofad500.2325
19. **Kim A**, Garg A, Michaelidis C. Designing and Planning for Equity in Hospital at Home. UMass Chan Medical Student Summer Program Poster Session, August 2024. Poster Presentation.

20. Nikooie R, **Kim A**, Hegde S, Chen K. Zero Coronary Artery Calcium Score: Implication of Gender. ACC 2025, March 2025. Poster Presentation.