

Krishna V. Komanduri, M.D.
Curriculum Vitae

I. Personal

Name: Krishna V. Komanduri
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Home Address: 7600 SW 160th Terrace, Palmetto Bay, FL 33157
Current Academic Rank: Professor of Medicine
Current Track of Appointment: Tenure
Primary Department: Medicine
Secondary or Joint Departmental Appointments: Microbiology and Immunology
Citizenship: USA
Visa Type (if non-citizen): N/A

II. Higher Education

Institutional

Degree-Granting Education

Massachusetts Institute of Technology, Cambridge, Massachusetts, SB, 1987, Biology with humanities concentration in English Literature

University of Minnesota Medical School, Minneapolis, Minnesota, MD, 1991, Medicine

Postgraduate Training

Internship and Residency in Internal Medicine, University of California, Los Angeles, California, 6/1991–6/1994

Clinical Fellowship, University of California, San Francisco, California, 7/1994–6/1997

Postdoctoral Fellowship, Gladstone Institute of Virology & Immunology, UCSF, San Francisco, California, Joseph (Mike) McCune, M.D., Ph.D., 6/1996–8/1999

Board Certification

American Board of Internal Medicine, 8/1994

ABIM Certification in Medical Oncology, 11/1997

ABIM Certification in Hematology, 11/1998

ABIM Hematology Recertification 2009 (exp. 12/31/2019)

Licensures

Active:

Florida Medical License, ME103316, 01/20/2017–1/31/2019

Inactive:

Texas Medical License, L7780, 12/2010–11/2012

California, G77378, 1/1993–1/2000

III. Experience

Academic

Laboratory Teaching Assistant, Introduction to Experimental Biology, Massachusetts Institute of Technology, Cambridge, Massachusetts, 9/1985–5/1987

Course Faculty, Hematology Section, Introduction to Clinical Medicine, University of California-San Francisco School of Medicine, San Francisco, California, 1/1996–1/1999

Assistant Professor, UCSF School of Medicine, San Francisco, California, 1/1997–8/1999

Assistant Professor, Department of Stem Cell Transplantation, Division of Cancer Medicine, UT M.D. Anderson Cancer Center, Houston, Texas, 7/1999–9/2006

Associate Director of Cell Processing Laboratory, Department of Stem Cell Transplantation - Research, Division of Cancer Medicine, UT M.D. Anderson Cancer Center, Houston, Texas, 9/1999–8/2000

Director of Clinical Fellowship Program, Department of Stem Cell Transplantation, Division of Cancer Medicine, UT M.D. Anderson Cancer Center, Houston, Texas, 1/2000–2008

Associate Director of Hematology/Oncology Fellowship Program, Department of Stem Cell Transplantation, Division of Cancer Medicine, UT M.D. Anderson Cancer Center, Houston, Texas, 1/2005–2008

Associate Professor, Department of Stem Cell Transplantation, Division of Cancer Medicine, University of Texas, Houston, Texas, 9/2006–2008

Director, Adult Stem Cell Transplant Program – Department of Medicine, Hematology/Oncology, University of Miami Sylvester Cancer Center Miami, FL 7/2008–Present

Co-leader, Sylvester Cancer Center Tumor Immunology Program, 2010–2012

Sylvester Cancer Center Administrative Committees: Past Member, Sylvester Executive Committee, Scientific Steering Committee and Recruitment Oversight Committee.

Medical Director, Experimental and Clinical Therapies Lab (cGMP and cGTP laboratories supporting research and clinical cell therapies). University of Miami

Interdisciplinary Stem Cell Institute and Sylvester Cancer Center, Miami, FL, 2/2010–Present

Hospital Appointments:

Associate Director for Clinical Innovation, Sylvester Comprehensive Cancer Center, University of Miami, Miami, Florida 2015–Present

Medical Director Stem Cell Transplant Program, Sylvester Comprehensive Cancer Center, University of Miami, Miami, Florida 2008–Present

IV. Publications

Books and monographs published

1. Kleiner G, Kritzer-Cheren M, Phillip Ruiz P, Komanduri KV, Lekakis L.
2. Textbook: Transplantation Pathology: Pathology of Hematopoietic Stem Cell Transplantation, 2013.
3. Lekakis L, Komanduri KV. Immunologic outcomes of allogeneic stem cell transplantation: graft-versus-host and graft-versus-leukemia responses and implications for future therapy, in *Advances in tumor immunology and immunotherapy*, 2013.
4. Komanduri KV Gajewski J. Immune Reconstitution after Stem Cell Transplantation. In: *Cellular Therapy: A Physician's Handbook*. American Association of Blood Banks, 2004.
5. Komanduri KV McCune JM. Development and Reconstitution of T Lymphoid Immunity. In: *Retroviral Immunology*. Humana Press, 2001.
6. Solomon S Komanduri KV. The Immune System. In: *Biotherapy: A Comprehensive Overview*. Jones and Bartlett, 38-63, 2000.

Juried or refereed journal articles or exhibitions

1. Neelapu SS, Locke FL, Bartlett NL, Lekakis LJ, Miklos DB, Jacobson CA, Braunschweig I, Oluwole OO, Siddiqi T, Lin Y, Timmerman JM, Stiff PJ, Friedberg JW, Flinn IW, Goy A, Hill BT, Smith MR, Deol A, Farooq U, McSweeney P, Munoz J, Avivi I, Castro JE, Westin JR, Chavez JC, Ghobadi A, Komanduri KV, Levy R, Jacobsen ED, Witzig TE, Reagan P, Bot A, Rossi J, Navale L, Jiang Y, Aycock J, Elias M, Chang D, Wieszorek J, Go WY. Axicabtagene Ciloleucel CAR T-Cell Therapy in Refractory Large B-Cell Lymphoma. *N Engl J Med*. 2017 Dec 28;377(26):2531-2544. doi: 10.1056/NEJMoa1707447. Epub 2017 Dec 10.
2. Malpica L, Pimentel A, Reis IM, Gotuzzo E, Lekakis L, Komanduri K, Harrington T, Barber GN, Ramos JC. Epidemiology, clinical features, and outcome of HTLV-1-related ATLL in an area of prevalence in the United States. *Blood Adv*. 2018 Mar 27;2(6):607-620. doi: 10.1182/bloodadvances.2017011106.
3. Jones RB, Martinez C, Majhail NS, Prestegard M, Maiers M, Horwitz M, Komanduri K. Stem Cell Transplantation and Informatics: Current Considerations. *Biol Blood Marrow Transplant*. 2017 Dec 27. pii: S1083-8791(17)31822-0. doi: 10.1016/j.bbmt.2017.12.792.
4. Camargo JF, Kimble E, Rosa R, Shimose LA, Bueno MX, Jeyakumar N, Morris MI, Abbo LM, Simkins J, Alencar MC, Benjamin C, Wieder E, Jimenez A, Beitinjaneh A, Goodman M, Byrnes JJ, Lekakis LJ, Pereira D, Komanduri KV. Impact of Cytomegalovirus Viral Load on Probability of Spontaneous Clearance and Response

to Preemptive Therapy in Allogeneic Stem Cell Transplantation Recipients. *Biol Blood Marrow Transplant*. 2017 Dec 5. pii: S1083-8791(17)30885-6. doi: 10.1016/j.bbmt.2017.11.038

5. Gajewski JL, McClellan MB, Majhail NS, Hari PN, Bredeson CN, Maziarz RT, LeMaistre CF, Lill MC, Farnia SH, Komanduri KV, Boo MJ. Payment and Care for Hematopoietic Cell Transplantation Patients: Toward a Specialized Medical Home for Complex Care Patients. *Biol Blood Marrow Transplant*. 2018 Jan;24(1):4-12. doi: 10.1016/j.bbmt.2017.09.012. Epub 2017 Sep 28.
6. Neelapu SS, Tummala S, Kebriaei P, Wierda W, Gutierrez C, Locke FL, Komanduri KV, Lin Y, Jain N, Daver N, Westin J, Gulbis AM, Loghin ME, de Groot JF, Adkins S, Davis SE, Rezvani K, Hwu P, Shpall EJ. Chimeric antigen receptor T-cell therapy - assessment and management of toxicities. *Nat Rev Clin Oncol*. 2018 Jan;15(1):47-62. doi: 10.1038/nrclinonc.2017.148. Epub 2017 Sep 19.
7. Camargo JF, Komanduri KV. Emerging concepts in cytomegalovirus infection following hematopoietic stem cell transplantation. *Hematol Oncol Stem Cell Ther*. 2017 Dec;10(4):233-238. doi: 10.1016/j.hemonc.2017.05.001. Epub 2017 Jun 14.
8. Wolf D, Barreras H, Bader CS, Copsel S, Lightbourn CO, Pfeiffer BJ, Altman NH, Podack ER, Komanduri KV, Levy RB. Marked in Vivo Donor Regulatory T Cell Expansion via Interleukin-2 and TL1A-Ig Stimulation Ameliorates Graft-versus-Host Disease but Preserves Graft-versus-Leukemia in Recipients after Hematopoietic Stem Cell Transplantation. *Biol Blood Marrow Transplant*. 2017 May;23(5):757-766. doi: 10.1016/j.bbmt.2017.02.013. Epub 2017 Feb 20.
9. Khushman M, Morris MI, Diaz L, Goodman M, Pereira D, Fuller K, Garcia-Buitrago M, Moshiree B, Zelaya S, Nayer 7, Benjamin CL, Komanduri KV. Syndrome of Inappropriate Anti-Diuretic Hormone Secretion Secondary to *Strongyloides stercoralis* Infection in an Allogeneic Stem Cell Transplant Patient: A Case Report and Literature Review. *Transplant Proc*. 2017 Mar;49(2):373-377. doi: 10.1016/j.transproceed.2016.12.012.
10. Qazilbash MH, Wieder E, Thall PF, Wang X, Rios R, Lu S, Kanodia S, Ruisaard KE, Giralt SA, Estey EH, Cortes J, Komanduri KV, Clise-Dwyer K, Alatrash G, Ma Q, Champlin RE, Molldrem JJ. PR1 peptide vaccine induces specific immunity with clinical responses in myeloid malignancies. *Leukemia*. 2017. 31:3, 697-704.
11. Camargo JF, Morris MI, Abbo LM, Simkins J, Saneeyemehri S, Alencar MC, Lekakis LJ, Komanduri KV. The use of brincidofovir for the treatment of mixed dsDNA viral infection. *Journal of Clinical Virology*. 2016. 83: 1-4.
12. Perez VL, Barsam A, Duffort S, Urbietta M, Barreras H, Lightbourn C, Komanduri KV, Levy RB. Novel Scoring Criteria for the Evaluation of Ocular Graft-versus-Host Disease in a Preclinical Allogeneic Hematopoietic Stem Cell Transplantation Animal Model. *Biology of Blood and Marrow Transplantation*. 2016. 22(10): 1765-1772.
13. Benjamin CL, Stowe RP, St. John L, Sams CF, Mehta SK, Crucian BE, Pierson DL, Komanduri KV. Decreases in thymopoiesis of astronauts returning from space flight. *JCI Insight*. 2016;1(12):e88787. doi:10.1172/jci.insight.88787
14. Itamura H, Shindo T, Tawara I, Kubota Y, Kariya R, Okada S, Komanduri KV, Kimura S. The MEK inhibitor trametinib separates murine graft-versus-host disease from graft-versus-tumor effects *JCI Insight*. 2016;1(10):e86331. doi:10.1172/jci.insight.86331.
15. Ballen K, Woo Ahn K, Chen M, Abdel-Azim H, Ahmed I, Aljurf M, Antin J, Bhatt AS, Boeckh M, Chen G, Dandoy C, George B, Laughlin MJ, Lazarus HM, MacMillan ML, Margolis DA, Marks DI, Norkin M, Rosenthal J, Saad A, Savani B, Schouten HC, Storek J, Szabolcs P, Ustun C, Verneris MR, Waller EK, Weisdorf DJ, Williams KM, Wingard JR, Wirk B, Wolfs T, Young JH, Auletta J, Komanduri KV, Lindemans C, Riches ML. Infection Rates among Acute Leukemia Patients Receiving Alternative Donor Hematopoietic Cell Transplantation. *Biol Blood Marrow Transplant*. 2016 Jun

22. pii: S1083-8791(16)30147-1. doi: 10.1016/j.bbmt.2016.06.012. [Epub ahead ofprint] PubMed PMID: 27343716.
16. Barba P, Burns LJ, Litzow MR, Juckett MB, Komanduri KV, Lee SJ, Devlin SM, Costa LJ, Khan S, King A, Klein A, Krishnan A, Malone A, Mir MA, Moravec C, Selby G, Roy V, Cochran M, Stricherz MK, Westmoreland MD, Perales MA, Wood WA; American Society for Blood and Marrow Transplantation Committee on Education. Success of an International Learning Health Care System in Hematopoietic Cell Transplantation: The American Society of Blood and Marrow Transplantation Clinical Case Forum. *Biol Blood Marrow Transplant*. 2016 Mar;22(3):564-70. doi: 10.1016/j.bbmt.2015.12.008. Epub 2015 Dec 21. PubMed PMID: 26718665; PubMed Central PMCID: PMC4965270.
17. Komanduri KV, Levine RL. Diagnosis and Therapy of Acute Myeloid Leukemia in the Era of Molecular Risk Stratification. *Annu Rev Med*. 2016;67:59-72. doi: 10.1146/annurev-med-051914-021329. Epub 2015 Oct 16. PubMed PMID: 26473413.
18. Komanduri KV. A maturing understanding of naive T cells. *Blood*. 125(18):2742-3, 19. 4/2015. PMID: 25931580
20. Herretes S, Ross DB, Duffort S, Barreras H, Yaohong T, Saeed AM, Murillo JC, Komanduri KV, Levy RB, Perez VL. Recruitment of Donor T Cells to the Eyes during Ocular GVHD in Recipients of MHC-Matched Allogeneic Hematopoietic Stem Cell Transplants. *Invest Ophthalmol Vis Sci*. 56(4):2348-57, 4/2015. PMID: 25655798 PMCID: PMC4406104.
21. Komanduri KV, Veys P. Selected Reviews from the 2015 BMT Tandem Meetings. *Biol Blood Marrow Transplant*. 21(2 Suppl):S1-2, 2/2015. PMID: 25534537.
22. Maziarz RT, Farnia S, Martin P, Komanduri KV. Optimal benefits for
23. hematopoietic stem cell transplantation: a consensus opinion. *Biol Blood Marrow Transplant*. 20(11):1671-6, 11/2014. PMID: 25020102.
24. Parikh SH, Mendizabal A, Benjamin CL, Komanduri KV, Antony J, Petrovic A, Hale G, Driscoll TA, Martin PL, Page K, Flickinger K, Moffet J, Niedzwiecki D, Kurtzberg J, Szabolcs P. A novel reduced intensity conditioning regimen for unrelated umbilical cord blood transplantation in children with non-malignant diseases. *Biol Blood Marrow Transplant*. 2013 Nov 29. doi:pii: S1083-8791(13)00558-2. 10.1016/j.bbmt.2013.11.021.
25. Newman RG, Ross DB, Barreras H, Herretes S, Podack ER, Komanduri KV, Perez VL, Levy RB. The allure and peril of hematopoietic stem cell transplantation: overcoming immune challenges to improve success. *Immunol Res*. 57(1-3):125-39, 12/2013. PMID: 24272856.
26. Komanduri KV, Wieder ED, Benjamin CL, Levy RB. The evolving art of hematopoietic stem cell transplantation: translational research in post-transplant immune reconstitution and immunosuppression. *Immunol Res*. 57(1-3):140-50, 12/2013. PMID: 24242818.
27. Díaz-Montero CM, Zidan AA, Pallin MF, Anagnostopoulos V, Salem ML, Wieder E, Komanduri K, Montero AJ, Lichtenheld MG. Understanding the biology of ex vivo-expanded CD8 T cells for adoptive cell therapy: role of CD62L. *Immunol Res*. 57(1-3):23-33, 12/2013. PMID: 24218360.
28. Ross D, Jones M, Komanduri K, Levy RB. Antigen and lymphopenia-driven donor T cells are differentially diminished by post-transplantation administration of cyclophosphamide after hematopoietic cell transplantation. *Biol Blood Marrow Transplant*. 19(10):1430-8, 10/2013. PMID: 23819914.
29. Shindo T, Kim TK, Benjamin CL, Wieder ED, Levy RB, Komanduri KV. MEK inhibitors selectively suppress alloreactivity and graft-versus-host disease in a memory stage-dependent manner. *Blood*. 121(23):4617-26, 6/2013. PMID: 23575444 PMCID: PMC3674663.

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