

[Login](#) to edit your profile (add a photo, awards, links to other websites, etc.)

Takuya Ueno, Ph.D., M.D.

Title Instructor in Medicine
 Institution Brigham and Women's Hospital
 Department Medicine
 Address Brigham and Womens Hospital
 Renal Div - HIM 5
 221 Longwood Ave
 Boston MA 02115
 Phone 617/732-5951
 Email ueno.takuya@mgh.harvard.edu
 vCard [Download vCard](#) (login for email)



Ueno's Networks

Click the **Explore** buttons for more information and interactive visualizations!

Concepts (290)

Graft Survival
 Heart Transplantation
 Graft Rejection
 Renal Replacement Therapy
 HMGB1 Protein

Explore

Co-Authors (46)

Yun, Seok-Hyun
 Najafian, Nader
 Yeung, Melissa
 Sayegh, Mohamed
 Chandraker, Anil

Explore

Similar People (60)

Mehra, Mandeep
 Tullus, Stefan
 Madsen, Joren
 Sayegh, Mohamed
 Sachs, David

Explore

Same Department

Gupta, Navin
 Hundemer, Gregory
 Matsumoto, Takuya
 Robinson, Emily
 Simic, Petra

Explore

Physical Neighbors

Altshuler, David
 Shaw, Stanley
 Preffer, Frederic
 Purcell, Shaun
 Clatworthy, Anne

[awards and honors](#) | [selected publications](#)

Biography

awards and honors

- 2005 ATC Poster of distinction/ American Society of Transplantation
- 2009 ATC Young Investigator Award/ American Society of Transplantation
- 2010 AST Annual Scientific Exchange Young Innovator Award
- 2010 - 2011 NKF Young Investigator Grant Program
- 2011 - 2015 AHA National Scientific Development Grant Program
- 2012 ATC Poster of distinction/ American Society of Transplantation
- 2012 Fellow of the American Heart Association
- 2015 Fellow of the American Society of Transplantation
- 2016 ATC Poster of distinction/ American Society of Transplantation

Bibliographic

selected publications

Publications listed below are automatically derived from MEDLINE/PubMed and other sources, which might result in incorrect or missing publications. Faculty can [login](#) to make corrections and additions.

[Newest](#) | [Oldest](#) | [Most Cited](#) | [Most Discussed](#) | [Timeline](#) | [Field Summary](#) | [Plain Text](#)

PMC Citations indicate the number of times the publication was cited by articles in PubMed Central, and the Altmetric score represents citations in news articles and social media. (Note that publications are often cited in additional ways that are not shown here.) Fields are based on how the National Library of Medicine (NLM) classifies the publication's journal and might not represent the specific topic of the publication. Translation tags are based on the publication type and the MeSH terms NLM assigns to the publication. Some publications (especially newer ones and publications not in PubMed) might not yet be assigned Field or Translation tags. Click a Field or Translation tag to filter the publications.

1. Ueno T, Thomas E, Starzl MD, PhD. Father of Transplantation-March 11, 1926-March 4, 2017. *Artif Organs*. 2017 Jul; 41(7):601-602. PMID: [28703369](#).
Fields: [Tra](#) Translation: [Humans](#)
2. Ueno T. The Roles of Continuous Renal Replacement Therapy in Septic Acute Kidney Injury. *Artif Organs*. 2017 Jul; 41(7):667-672. PMID: [28548696](#).
Citations: [Altmetric](#) 1 Fields: [Tra](#) Translation: [Humans](#)
3. Ueno T, Kim P, McGrath MM, Yeung MY, Shimizu T, Jung K, Sayegh MH, Chandraker AK, Abdol R, Yun SH. Live Images of Donor Dendritic Cells Trafficking via CX3CR1 Pathway. *Front Immunol*. 2016; 7:412. PMID: [27790214](#).
Citations: [Altmetric](#) 1
4. Ueno T, Jung K, Yeung MY, McGrath MM, Shimizu T, Kim P, Sayegh MH, Chandraker A, Yun SH. Imaging cell biology in transplantation. *Transpl Int*. 2016 Dec; 29(12):1349-1351. PMID: [27570933](#).
Citations: [PMC](#) 1 Fields: [Tra](#) Translation: [Animals](#)
5. Ueno T, Ikeda T, Yokoyama T, Kihara Y, Konno O, Nakamura Y, Iwamoto H, Shimizu T, McGrath MM, Chandraker A. Reduction in circulating level of HMGB-1 following continuous renal replacement therapy in sepsis. *Cytokine*. 2016 Oct; 83:206-209. PMID: [27155819](#).
Citations: [PMC](#) 1 Fields: [All](#) Translation: [Humans](#)
6. Iwamoto H, Nakamura Y, Konno O, Tomita K, Ueno T, Yokoyama T, Kihara Y, Kawachi S. Immunosuppressive Therapy for Elderly Kidney Transplant Recipients. *Transplant Proc*. 2016 Apr; 48(3):799-801. PMID: [27234739](#).
Citations: [Altmetric](#) 1 Fields: [Tra](#) Translation: [Humans](#)
7. Nakamura Y, Kihara Y, Iwamoto H, Ozawa Y, Sano T, Tomita K, Yokoyama T, Konno O, Ueno T, Kawachi S. A Novel Assessment of Vascular Regions Using an Intraoperative Near-Infrared Fluorescence. *Transplant Proc*. 2016 Apr; 48(3):710-5. PMID: [27234719](#).
Fields: [Tra](#) Translation: [Humans](#)
8. Ito T, Yamada A, Batal I, Yeung MY, McGrath MM, Sayegh MH, Chandraker A, Ueno T. The Limits of Linked Suppression for Regulatory T Cells. *Front Immunol*. 2016; 7:82. PMID: [27014262](#); PMCID: [PMC4783400](#).
Citations: [PMC](#) 2 [Altmetric](#) 1
9. Batal I, De Serres SA, Safa K, Bijol V, Ueno T, Onozato ML, Iafrate AJ, Herter JM, Lichtman AH, Mayadas TN, Guleria I, Rennek HG, Najafian N, Chandraker A. Dendritic Cells in Kidney Transplant Biopsy Samples Are Associated with T Cell Infiltration and Poor Allograft Survival. *J Am Soc Nephrol*. 2015 Dec; 26(12):3102-13. PMID: [26545598](#); PMCID: [PMC4657833](#).
Citations: [PMC](#) 7 [Altmetric](#) 3 Fields: [Nep](#) Translation: [Humans](#) [Cells](#)
10. Yeung MY, Ding Q, Brooks CR, Xiao S, Workman CJ, Vignali DA, Ueno T, Padera RF, Kuchroo VK, Najafian N, Rothstein DM. TIM-1 signaling is required for maintenance and induction of regulatory B cells. *Am J Transplant*. 2015 Apr; 15(4):942-53. PMID: [25645598](#); PMCID: [PMC4530122](#).
Citations: [PMC](#) 18 Fields: [Tra](#) Translation: [Animals](#) [Cells](#)
11. Ikeda T, Ikeda K, Suda S, Ueno T. Usefulness of the endotoxin activity assay as a biomarker to assess the severity of endotoxicemia in critically ill patients. *Innate Immun*. 2014 Nov; 20(8):881-8. PMID: [24398861](#).
Citations: [PMC](#) 2 [Altmetric](#) 4 Fields: [All](#) [Bac](#) Translation: [Humans](#)
12. Yeung MY, McGrath MM, Nakayama M, Shimizu T, Boenisch O, Magee CN, Abdol R, Akiba H, Ueno T, Turka LA, Najafian N. Interruption of dendrite cell-mediated TIM-4 signaling induces regulatory T cells and promotes skin allograft survival. *J Immunol*. 2013 Oct 15; 191(8):4447-55. PMID: [24038092](#); PMCID: [PMC3804420](#).
Citations: [PMC](#) 10 Fields: [All](#) Translation: [Animals](#) [Cells](#)
13. Ueno T, Dutta P, Keilher E, Leuschner F, Majmudar M, Marinelli B, Iwamoto Y, Figueiredo JL, Christen T, Swirski FK, Libby P, Weissleder R, Nahrendorf M. Nanoparticle PET-CT detects rejection and immunomodulation in cardiac allografts. *Circ Cardiovasc Imaging*. 2013 Jul; 6(4):568-73. PMID: [23771986](#); PMCID: [PMC3734553](#).
Citations: [PMC](#) 9 [Altmetric](#) 1 Fields: [Car](#) [Dia](#) [Vas](#) Translation: [Animals](#) [Cells](#)
14. D'Addio F, Ueno T, Clarkson M, Zhu B, Vergani A, Freeman GJ, Sayegh MH, Ansari MJ, Fiorina P, Habicht A. CD160lg fusion

protein targets a novel costimulatory pathway and prolongs allograft survival. *PLoS One*. 2013; 8(4):e60391. PMID: 23593209; PMCID: PMC3617215.

Citations: 7 Fields: Med Sci Translation: Animals Cells

15. Jung K, Kim P, Leuschner F, Gorbatov R, Kim JK, Ueno T, Nahrendorf M, Yun SH. Endoscopic time-lapse imaging of immune cells in infarcted mouse hearts. *Circ Res*. 2013 Mar 15; 112(6):891-9. PMID: 23392842; PMCID: PMC3834270.

Citations: 45 Fields: Car Vas Translation: Animals Cells

16. Ueno T, Yeung MY, McGrath M, Yang S, Zaman N, Sawnder B, Padera RF, Magee CN, Gorbatov R, Hashiguchi M, Azuma M, Freeman GJ, Sayegh MH, Najafian N. Intact B7-H3 signaling promotes allograft prolongation through preferential suppression of Th1 effector responses. *Eur J Immunol*. 2012 Sep; 42(9):2343-53. PMID: 22733595; PMCID: PMC3822046.

Citations: 7 Fields: All Translation: Animals Cells

17. Atkinson W, Forghani R, Wojtkiewicz GR, Pulli B, Iwamoto Y, Ueno T, Waterman P, Truelove J, Oklu R, Chen JW. Ligation of the jugular veins does not result in brain inflammation or demyelination in mice. *PLoS One*. 2012; 7(3):e33671. PMID: 22457780; PMCID: PMC3310075.

Citations: 5 Altmetric 15 Fields: Med Sci Translation: Animals

18. Lee WW, Marinelli B, van der Laan AM, Sena BF, Gorbatov R, Leuschner F, Dutta P, Iwamoto Y, Ueno T, Begieneman MP, Niessen HW, Plek JJ, Vinegoni C, Pittet MJ, Swirski FK, Tawakol A, DiCarli M, Weissleder R, Nahrendorf M. PET/MRI of inflammation in myocardial infarction. *J Am Coll Cardiol*. 2012 Jan 10; 59(2):153-63. PMID: 22222080; PMCID: PMC3257823.

Citations: 73 Fields: Car Translation: Humans Animals Cells

19. Leuschner F, Rauch PJ, Ueno T, Gorbatov R, Marinelli B, Lee WW, Dutta P, Wei Y, Robbins C, Iwamoto Y, Sena B, Chudnovsky A, Panizzi P, Keliher E, Higgins JM, Libby P, Moskovitz MA, Pittet MJ, Swirski FK, Weissleder R, Nahrendorf M. Rapid monocyte kinetics in acute myocardial infarction are sustained by extramedullary monocytopenesis. *J Exp Med*. 2012 Jan 16; 209(1):123-37. PMID: 22213805; PMCID: PMC3260875.

Citations: 139 Altmetric 13 Fields: All Med Translation: Animals Cells

20. Robbins CS, Chudnovsky A, Rauch PJ, Figueiredo JL, Iwamoto Y, Gorbatov R, Etzrodt M, Weber GF, Ueno T, van Rooijen N, Mulligan-Kehoe MJ, Libby P, Nahrendorf M, Pittet MJ, Weissleder R, Swirski FK. Extramedullary hematopoiesis generates Ly-6C(hi) monocytes that infiltrate atherosclerotic lesions. *Circulation*. 2012 Jan 17; 125(2):364-74. PMID: 22144566; PMCID: PMC3263762.

Citations: 112 Altmetric 1 Fields: Car Vas Translation: Animals Cells

21. Riella LV, Ueno T, Batal I, De Serres SA, Bassil R, Elyaman W, Yagita H, Medina-Pestana JO, Chandraker A, Najafian N. Blockade of Notch ligand d1 promotes allograft survival by inhibiting alloreactive Th1 cells and cytotoxic T cell generation. *J Immunol*. 2011 Nov 01; 187(9):4629-38. PMID: 21949024; PMCID: PMC3197868.

Citations: 10 Fields: All Translation: Animals Cells

22. Ueno T, Yamada A, Ito T, Yeung MY, Gorbatov R, Shimizu T, Abdi R, Sayegh MH, Auchincloss H, Najafian N. Role of nuclear factor of activated T cell (NFAT) transcription factors in skin and vascularized cardiac allograft rejection. *Transplantation*. 2011 Sep 15; 92(5):e26-7. PMID: 21866037.

Citations: 3 Fields: Tra Translation: Animals Cells

23. Jurewicz M, Ueno T, Azzi J, Tanaka K, Murayama T, Yang S, Sayegh MH, Niimi M, Abdi R. Donor antioxidant strategy prolongs cardiac allograft survival by attenuating tissue dendritic cell immunogenicity(†). *Am J Transplant*. 2011 Feb; 11(2):348-55. PMID: 21182586.

Citations: 5 Fields: Tra Translation: Humans Animals Cells

24. Boenisch O, D'Addio F, Watanabe T, Elyaman W, Magee CN, Yeung MY, Padera RF, Rodig SJ, Murayama T, Tanaka K, Yuan X, Ueno T, Jurisch A, Mfarrej B, Akiba H, Yagita H, Najafian N. TIM-3: a novel regulatory molecule of alloimmune activation. *J Immunol*. 2010 Nov 15; 185(10):5806-19. PMID: 20956339; PMCID: PMC3619947.

Citations: 24 Fields: All Translation: Animals Cells

25. Leuschner F, Panizzi P, Chico-Calero I, Lee WW, Ueno T, Cortez-Retamozo V, Waterman P, Gorbatov R, Marinelli B, Iwamoto Y, Chudnovsky A, Figueiredo JL, Sosnowik DE, Pittet MJ, Swirski FK, Weissleder R, Nahrendorf M. Angiotensin-converting enzyme inhibition prevents the release of monocytes from their splenic reservoir in mice with myocardial infarction. *Circ Res*. 2010 Nov 26; 107(11):1364-73. PMID: 20930148; PMCID: PMC2992104.

Citations: 79 Altmetric 3 Fields: Car Vas Translation: Animals Cells

26. Swirski FK, Wildgruber M, Ueno T, Figueiredo JL, Panizzi P, Iwamoto Y, Zhang Y, Stone JR, Rodriguez E, Chen JW, Pittet MJ, Weissleder R, Nahrendorf M. Myeloperoxidase-rich Ly-6C+ myeloid cells infiltrate allografts and contribute to an imaging signature of organ rejection in mice. *J Clin Invest*. 2010 Jul; 120(7):2627-34. PMID: 20577051; PMCID: PMC2898607.

Citations: 33 Fields: Med Translation: Animals Cells

27. Yamaura K, Boenisch O, Watanabe T, Ueno T, Vanguri V, Yang J, Tanaka K, Guleria I, Borst J, Zhai Y, Kupiec-Weglinski JW, Najafian N. Differential requirement of CD27 costimulatory signaling for naïve versus alloantigen-primed effector/memory CD8+ T cells. *Am J Transplant*. 2010 May; 10(5):1210-20. PMID: 20353477; PMCID: PMC2889922.

Citations: 3 Fields: Tra Translation: Animals Cells

28. Izawa A, Schattner T, Frank NY, Ueno T, Yamaura K, Pendse SS, Margaryan A, Grimm M, Gasser M, Waaga-Gasser AM, Sayegh MH, Frank MH. A novel in vivo regulatory role of P-glycoprotein in alloimmunity. *Biochem Biophys Res Commun*. 2010 Apr 09; 394(3):646-52. PMID: 20230790; PMCID: PMC3756468.

Citations: 4 Fields: Bio Bio Translation: Animals Cells

29. Ueno T, Ikeda T, Ikeda K, Tanichi H, Suda S, Yeung MY, Matsuno N. HMGB-1 as a useful prognostic biomarker in sepsis-induced organ failure in patients undergoing PMX-DHP. *J Surg Res*. 2011 Nov; 171(1):183-90. PMID: 20338589.

Citations: 8 Fields: Gen Translation: Humans

30. Ueno T, Tanaka K, Jurewicz M, Murayama T, Guleria I, Florina P, Paez JC, Augello A, Vergani A, Wong M, Smith RN, Abdi R. Divergent role of donor dendritic cells in rejection versus tolerance of allografts. *J Am Soc Nephrol*. 2009 Mar; 20(3):535-44. PMID: 19129312; PMCID: PMC2653678.

Citations: 6 Fields: Nep Translation: Humans Animals Cells

31. Yoshida S, Shimada M, Ueno T, Yoshino M. Exuberant mucosal granulation by a self-expanding metal stent leading to complete closure of esophageal perforation. *Endoscopy*. 2008 Sep; 40 Suppl 2:E244-5. PMID: 18991221.

Fields: Dia The Translation: Humans

32. Yoshida S, Kurokohchi K, Ueno T, Yoshino M, Shimada M, Masaki T. Hepatic von Meyenburg complex: a trigger of severe portal hypertension. *Liver Int*. 2009 Apr; 29(4):614-5. PMID: 19018981; PMCID: PMC2711260.

Fields: Gas Translation: Humans

33. Yoshida S, Shimada M, Ueno T, Kato A, Yoshino M. Latex hand glove: a safe and convenient device for the endoscopic removal of foreign bodies. *Endoscopy*. 2008 Sep; 40 Suppl 2:E195-6. PMID: 18709613.

Fields: Dia The Translation: Humans

34. Yoshida S, Shimada M, Ueno T, Kitamura Y, Matsuzaki S, Nishikubo S, Nagae M, Nakanishi K, Murata J, Yoshino M. Successful endoscopic submucosal dissection of duodenal cancer. *Endoscopy*. 2008 Sep; 40 Suppl 2:E132-3. PMID: 18633861.

Fields: Dia The Translation: Humans

35. Ueno T, Habicht A, Clarkson MR, Albin MJ, Yamaura K, Boenisch O, Popoola J, Wang Y, Yagita H, Akiba H, Ansari MJ, Yang J, Turka LA, Rothstein DM, Padera RF, Najafian N, Sayegh MH. The emerging role of T cell Ig mucin 1 in alloimmune responses in an experimental mouse transplant model. *J Clin Invest*. 2008 Feb; 118(2):742-51. PMID: 18172549; PMCID: PMC2157561.

Citations: 42 Fields: Med Translation: Animals Cells

36. Tanaka K, Albin MJ, Yuan X, Yamaura M, Habicht A, Murayama T, Grimm M, Waaga AM, Ueno T, Padera RF, Yagita H, Azuma M, Shin T, Blazier BR, Rothstein DM, Sayegh MH, Najafian N. PDL1 is required for peripheral transplantation tolerance and protection from chronic allograft rejection. *J Immunol*. 2007 Oct 15; 179(8):5204-10. PMID: 17911605; PMCID: PMC2291549.

Citations: 49 Altmetric 3 Fields: All Translation: Animals

37. Izawa A, Ueno T, Jurewicz M, Ito T, Tanaka K, Takahashi M, Ikeda U, Sobolev O, Florina P, Smith RN, Hynes RO, Abdi R. Importance of donor- and recipient-derived selectins in cardiac allograft rejection. *J Am Soc Nephrol*. 2007 Nov; 18(11):2929-36. PMID: 17928506.

Citations: 8 Fields: Nep Translation: Humans Animals

38. Ansari MJ, Fiorina P, Dada S, Guleria I, Ueno T, Yuan X, Trikudanathan S, Smith RN, Freeman G, Sayegh MH. Role of ICOS pathway in autoimmune and alloimmune responses in NOD mice. *Clin Immunol*. 2008 Feb; 126(2):140-7. PMID: 17889619.
Citations: 26 | Fields: [All](#) | Translation: [Animals](#) [Cells](#)
39. Smith RN, Ueno T, Ito T, Tanaka K, Shea SP, Abdi R. Chemokines and chronic heart allograft rejection. *Transplantation*. 2007 Aug 15; 84(3):442-4. PMID: 17700176.
Citations: 1 | Fields: [Tra](#) | Translation: [Animals](#)
40. Izawa A, Yamaura K, Albin MJ, Jurewicz M, Tanaka K, Clarkson MR, Ueno T, Habicht A, Freeman GJ, Yagita H, Abdi R, Pearson T, Greiner DL, Sayegh MH, Najafian N. A novel alloantigen-specific CD8+PD1+ regulatory T cell induced by ICOS-B7h blockade in vivo. *J Immunol*. 2007 Jul 15; 179(2):786-96. PMID: 17617566.
Citations: 14 | Fields: [All](#) | Translation: [Animals](#) [Cells](#)
41. Lacy-Hulbert A, Ueno T, Ito T, Jurewicz M, Izawa A, Smith RN, Chase CM, Tanaka K, Fiorina P, Russell PS, Auchincloss H, Sayegh MH, Hynes RO, Abdi R. Beta 3 integrins regulate lymphocyte migration and cytokine responses in heart transplant rejection. *Am J Transplant*. 2007 May; 7(5):1080-90. PMID: 17359504.
Citations: 8 | Fields: [Tra](#) | Translation: [Animals](#) [Cells](#)
42. Cruz DN, Perazella MA, Bellomo R, de Cal M, Polanco N, Corradi V, Lentini P, Nalessi F, Ueno T, Ranieri VM, Ronco C. Effectiveness of polymyxin B-immobilized fiber column in sepsis: a systematic review. *Crit Care*. 2007; 11(2):R47. PMID: 17448226; PMCID: PMC2206475.
Citations: 67 | [Altmetric](#) 3 | Fields: [Cri](#) | Translation: [Humans](#)
43. Ueno T, Omura T, Takahashi T, Matsumoto H, Takahashi Y, Kakita A, Yamashina S. Liver transplantation using liver grafts preserved under high pressure. *Artif Organs*. 2005 Oct; 29(10):849-55. PMID: 16185349.
Citations: 1 | Fields: [Tra](#) | Translation: [Animals](#)
44. Ito T, Ueno T, Clarkson MR, Yuan X, Jurewicz MM, Yagita H, Azuma M, Sharpe AH, Auchincloss H, Sayegh MH, Najafian N. Analysis of the role of negative T cell costimulatory pathways in CD4 and CD8 T cell-mediated alloimmune responses in vivo. *J Immunol*. 2005 Jun 01; 174(11):6648-56. PMID: 15905503.
Citations: 52 | Fields: [All](#) | Translation: [Animals](#) [Cells](#)
45. Ueno T, Sugino M, Nemoto H, Shoji H, Kakita A, Watanabe M. Effect over time of endotoxin adsorption therapy in sepsis. *Ther Apher Dial*. 2005 Apr; 9(2):128-36. PMID: 15828924.
Citations: 3 | Fields: [Hem](#) | Translation: [Humans](#) [Cells](#) [CT](#)
46. Sakamoto I, Takahashi T, Ueno T, Kakita A, Hayashi I, Yamashina S. Regeneration of Schwann cells during extrinsic hepatic reinnervation following liver transplantation in rats. *Transplant Proc*. 2003 Feb; 35(1):573-4. PMID: 12591537.
Fields: [Tra](#) | Translation: [Animals](#) [Cells](#)

Local representatives can answer questions about the Profiles website or help with editing a profile or issues with profile data. For assistance with this profile: HMS/HSDM faculty should contact feedback@catalyst.harvard.edu. For faculty or fellow appointment updates and changes, please ask your appointing department to contact HMS. For fellow personal and demographic information, contact HMS Human Resources at human_resources@hms.harvard.edu. For faculty personal and demographic information, contact HMS Office for Faculty Affairs at facapp@hms.harvard.edu.