

Curriculum Vitae
Daniel J. Campbell, PhD

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1201 9th Avenue
Seattle, WA 98101

Education

1989-1993 BS in Chemistry, University of Michigan, Ann Arbor MI
1993-1998 PhD in Immunology, University of California, Berkeley CA

Professional Positions

1994-1998 Graduate student in Nilabh Shastri's lab, Department of Molecular and Cell Biology, University of California. Thesis: Bacterial T cell antigens: Identification and processing
1999-2003 Postdoctoral fellow in Eugene C. Butcher's lab, Department of Pathology, Stanford University
2003-2008 Assistant Member, Benaroya Research Institute at Virginia Mason, Seattle, WA
2004-2008 Affiliate Assistant Professor, Department of Immunology, University of Washington, Seattle, WA
2007-2013 Visiting Associate Professor, Chiba University School of Medicine, Chiba, Japan
2009-Present Associate Member, Benaroya Research Institute at Virginia Mason, Seattle, WA
2009-Present Affiliate Associate Professor, Department of Immunology, University of Washington, Seattle, WA

Honors

1993 Received Merck Index Award for excellence in chemistry – University of Michigan.
1993 Received Claude W. Plase Class of 1901 Graduate Fellowship – University of California.

Peer-Review

2006-2008 Member of Arthritis Foundation Molecular Immunology Study Section
Ad hoc referee for NIH Hypersensitivity, Autoimmune, and Immune-mediated Diseases (HAI) study section.
2011-Present Standing member, Transplantation, Tolerance and Tumor Immunology (TTT) study section, NIH

Journal

2010-2014 Associate Editor, *Journal of Immunology*

2014-Present Member, Editorial board, *Trends in Immunology*

Served as peer reviewer for leading immunology journals such as the *Journal of Immunology*, *Journal of Experimental Medicine*, *Blood*, *Nature Immunology*, *Immunity*, and the *Journal of Clinical Investigation*.

Meeting Organization

2010 Co-chair, 'Immunoregulatory Networks', Napa Valley, CA

2011-Present Abstract Programing Chair, Annual AAI meeting

2013-Present Council Member, Midwinter Conference of Immunologists, Asilomar, CA

2014 Co-chair, 'Immunoregulatory Networks', Seattle, WA

2014-Present Elected to Program Committee, Annual AAI meeting

Select Invited Lectures

2006 (May) University of Connecticut Department of Immunology

2007 (Feb) Amgen Inc., Thousand Oaks, CA

2007 (Oct) University of Georgia Department of Cell Biology

2008 (Jan) Keystone Symposium on Chemokines and Chemokine Receptors, Keystone, CO

2008 (Feb) University of Minnesota Center for Immunology

2008 (May) Rush University Medical Center Department of Immunology and Microbiology

2008 (May) Medical College of Wisconsin Department of Molecular Genetics

2008 (Sep) Gordon Research Conference on Chemotactic Cytokines, France

2009 (Mar) Keystone Symposium on Regulatory T cells

2010 (Dec) University of California, Berkeley Department of Molecular and Cell Biology

2011 (Feb) National Institutes of Health, Laboratory of Parasitic Diseases

2011 (May) University of California, San Francisco

2011 (June) FASEB Meeting , Biology of the Immune System, Carefree, AZ

2012 (Jan) Midwinter Conference of Immunologists, Asilomar, CA

2012 (Feb) University of Pennsylvania Institute for Immunology

2012 (May) American Association of Immunologists Annual Meeting, Boston, MA

2012 (June) Gordon Research Conference on Chemotactic Cytokines, Italy

2012 (Oct) 3rd International Conference of Regulatory T cells, Shanghai, China

2012 (Nov) University of British Columbia Biomedical Research Centre Seminar

2013 (March) University of Toronto Department of Immunology

2013 (March) Massachusetts General Hospital

2013 (June) University of California, San Diego, Immunology Seminar

2013 (Nov) MD Anderson Cancer Center

2014 (Feb) Student Invited Speaker, Johns Hopkins Medical School Department of Immunology

2014 (March) Scripps Research Institute Department of Immunology

2014 (May) American Society of Transplantation Symposium, Annual AAI meeting, Pittsburgh, PA

- 2014 (Sept) 3rd International Conference of Immune Tolerance, Amsterdam, NL
 2014 (Oct) Tufts University Graduate Program in Immunology
 2014 (Nov) University of Georgia Department of Cell Biology

Teaching

- 2004-Present Presented lectures in both basic and advanced Immunology courses taught through the Department of Immunology, University of Washington School of Medicine.
 2014-Present Chair of 'Selected Topics in Immunology' course, Department of Immunology, University of Washington School of Medicine.
 2013-Present Graduate Student Advisor, Department of Immunology, University of Washington School of Medicine.
 2013-Present Member, Curriculum Committee, Department of Immunology, University of Washington School of Medicine.

Graduate Students and Postdoctoral Fellows Mentored

- Katie Newhall*, Postdoctoral Fellow – Scientist, Amgen, Inc., Seattle, WA
Blythe Sather, Graduate Student (2007)– Scientist, Juno, Inc. Seattle, WA
Jan Dudda, Postdoctoral Fellow – Faculty, University of Lausanne, Switzerland
Johnna Wesley, Postdoctoral Fellow – Scientist, Novo Nordisk, Seattle, WA
Todd Suscovich, Postdoctoral Fellow - Research Scientist, Harvard University, Boston, MA
Meghan Koch, Graduate Student (2010) - Postdoctoral Fellow, Barton Lab, UC-Berkeley, CA
Justin Killebrew, Graduate Student (2011) – Scientist, Zymogenetics/BMS, Seattle, WA
Kate Smigiel, Graduate Student (2014) – Postdoctoral Fellow, Parks Lab, Cedars-Sinai, Los Angeles, CA
Shivani Srivastava, Graduate Student (2014) – Postdoctoral Fellow, Riddell Lab, FHCRC, Seattle, WA
Thomas Duhon, Postdoctoral Fellow – Scientist, Agonox, Inc., Portland, OR
J. Michael Stolley, Graduate Student – *Current*
Jenna Sullivan, Graduate Student – *Current*
Mark Singh, Postdoctoral Fellow – *Current*

Publications

1. Sanderson S, **Campbell DJ**, Shastri N (1995) Identification of a CD4+ T cell-stimulating antigen of pathogenic bacteria by expression cloning. *J Exp Med*, 182 (6), 1751-7.
2. **Campbell DJ**, Shastri N (1998) Bacterial surface proteins recognized by CD4+ T cells during murine infection with *Listeria monocytogenes*. *J Immunol*, 161 (5), 2339-47
3. **Campbell DJ**, Serwold T, Shastri N (2000) Bacterial proteins can be processed by macrophages in a transporter associated with antigen processing-independent, cysteine protease-dependent manner for presentation by MHC class I molecules. *J Immunol*, 164 (1), 168-75
4. Kim CH, Rott LS, Clark-Lewis I, **Campbell DJ**, Wu L, Butcher EC (2001) Subspecialization of CXCR5+ T cells: B helper activity is focused in a germinal center-localized subset of CXCR5+ T cells. *J Exp Med*, 193 (12), 1373-81
5. **Campbell DJ**, Kim CH, Butcher EC (2001) Separable effector T cell populations specialized for B cell help or tissue inflammation. *Nat Immunol*, 2 (9), 876-81

6. Kim CH, **Campbell DJ**, Butcher EC (2001) Nonpolarized memory T cells., *Trends in immunology*, 22 (10), 527-30
7. **Campbell DJ**, Butcher EC (2002) Rapid acquisition of tissue-specific homing phenotypes by CD4(+) T cells activated in cutaneous or mucosal lymphoid tissues., *J Exp Med*, 195 (1), 135-41
8. **Campbell DJ**, Butcher EC (2002) Intestinal attraction: CCL25 functions in effector lymphocyte recruitment to the small intestine., *J Clin Invest*, 110 (8), 1079-81
9. **Campbell DJ**, Debes GF, Johnston B, Wilson E, Butcher EC (2003) Targeting T cell responses by selective chemokine receptor expression., *Semin Immunol*, 15 (5), 277-86
10. Staton TL, Johnston B, Butcher EC, **Campbell DJ** (2004) Murine CD8+ recent thymic emigrants are alphaE integrin-positive and CC chemokine ligand 25 responsive., *J Immunol*, 172 (12), 7282-8
11. Arnold CN, Butcher EC, **Campbell DJ** (2004) Antigen-specific lymphocyte sequestration in lymphoid organs: lack of essential roles for alphaL and alpha4 integrin-dependent adhesion or Galphai protein-coupled receptor signaling., *J Immunol*, 173 (2), 866-73
12. Yoo J, Omori M, Gyarmati D, Zhou B, Aye T, Brewer A, Comeau MR, **Campbell DJ**, Ziegler SF (2005) Spontaneous atopic dermatitis in mice expressing an inducible thymic stromal lymphopoietin transgene specifically in the skin., *J Exp Med*, 202 (4), 541-9
13. Zhou B, Comeau MR, De Smedt T, Liggitt HD, Dahl ME, Lewis DB, Gyarmati D, Aye T, **Campbell DJ**, Ziegler SF (2005) Thymic stromal lymphopoietin as a key initiator of allergic airway inflammation in mice., *Nat Immunol*, 6 (10), 1047-53
14. Debes GF, Dahl ME, Mahiny AJ, Bonhagen K, **Campbell DJ**, Siegmund K, Erb KJ, Lewis DB, Kamradt T, Hamann A (2006) Chemotactic responses of IL-4-, IL-10-, and IFN-gamma-producing CD4+ T cells depend on tissue origin and microbial stimulus., *J Immunol*, 176 (1), 557-66
15. Arnold CN, **Campbell DJ**, Lipp M, Butcher EC (2007) The germinal center response is impaired in the absence of T cell-expressed CXCR5., *Eur J Immunol*, 37 (1), 100-9
16. Humblet-Baron S, Sather B, Anover S, Becker-Herman S, Kasprovicz DJ, Khim S, Nguyen T, Hudkins-Loya K, Alpers CE, Ziegler SF, Ochs H, Torgerson T, **Campbell DJ**, Rawlings DJ (2007) Wiskott-Aldrich syndrome protein is required for regulatory T cell homeostasis., *J Clin Invest*, 117 (2), 407-18
17. **Campbell DJ**, Ziegler SF (2007) FOXP3 modifies the phenotypic and functional properties of regulatory T cells., *Nat Rev Immunol*, 7 (4), 305-10
18. Siewert C, Menning A, Dudda J, Siegmund K, Lauer U, Floess S, **Campbell DJ**, Hamann A, Huehn J (2007) Induction of organ-selective CD4+ regulatory T cell homing., *Eur J Immunol*, 37 (4), 978-89
19. Sather BD, Treuting P, Perdue N, Miazgovicz M, Fontenot JD, Rudensky AY, **Campbell DJ** (2007) Altering the distribution of Foxp3(+) regulatory T cells results in tissue-specific inflammatory disease., *J Exp Med*, 204 (6), 1335-47
20. Dudda JC, Perdue N, Bachtanian E, **Campbell DJ** (2008) Foxp3+ regulatory T cells maintain immune homeostasis in the skin., *J Exp Med*, 205 (7), 1559-65
21. Koch MA, Tucker-Heard G, Perdue NR, Killebrew JR, Urdahl KB, **Campbell DJ** (2009) The transcription factor T-bet controls regulatory T cell homeostasis and function during type 1 inflammation. *Nat Immunol*. 10 (6), 595-602
22. Igyarto BZ, Jenison MC, Dudda JC, Roers A, Müller W, Koni PA, **Campbell DJ**, Shlomchik MJ, Kaplan DH (2009) Langerhans cells suppress contact hypersensitivity responses via cognate CD4 interaction and langerhans cell-derived IL-10., *J Immunol*. 183 (8), 5085-93

23. Wesley JD, Sather BD, Perdue NR, Ziegler SF, and **Campbell DJ** (2010) Cellular requirements for diabetes induction in DO11.10xRIPmOVA mice J. Immunol. 185:4760-4768
24. **Campbell DJ** and Koch MA (2011) Phenotypical and functional specialization of FOXP3(+) regulatory T cells Nat. Rev. Immunol. 11:119-130
25. **Campbell DJ** and Koch MA. T(reg) cells: patrolling a dangerous neighborhood Nat. Med. 17:929-930, 2011
26. **Campbell DJ**. Regulatory T cells GATA have it. Immunity. 35:313-315, 2011
27. Killebrew JR, Perdue N, Kwan A, Thornton AM, Shevach EM, and **Campbell DJ**. A Self-Reactive TCR Drives the Development of Foxp3+ Regulatory T Cells That Prevent Autoimmune Disease J. Immunol. 187:861-869, 2011
28. Duhon T, Duhon R, Lanzavecchia A, Sallusto F, **Campbell DJ**. Functionally distinct subsets of human FOXP3+ Treg cells that phenotypically mirror effector Th cells. Blood. 2012 May 10;119(19):4430-40
29. Naik S, Bouladoux N, Wilhelm C, Molloy MJ, Salcedo R, Kastenmuller W, Deming C, Quinones M, Koo L, Conlan S, Spencer S, Hall JA, Dzutsev A, Kong H, **Campbell DJ**, Trinchieri G, Segre JA, Belkaid Y. Compartmentalized control of skin immunity by resident commensals. Science. 2012 Aug 31;337(6098):1115-9
30. Suscovich TJ, Perdue NR, **Campbell DJ**. Type-1 immunity drives early lethality in scurfy mice. Eur J Immunol. 2012 Sep;42(9): 2305-10
31. Koch MA, Thomas KR, Perdue NR, Smigiel KS, Srivastava S, **Campbell DJ**. T-bet(+) Treg cells undergo abortive Th1 cell differentiation due to impaired expression of IL-12 receptor $\beta 2$. Immunity. 2012 Sep 21;37(3):501-10
32. Abbas AK, Benoist C, Bluestone JA, **Campbell DJ**, Ghosh S, Hori S, Jiang S, Kuchroo VK, Mathis D, Roncarolo MG, Rudensky A, Sakaguchi S, Shevach EM, Vignali DA, Ziegler SF. Regulatory T cells: recommendations to simplify the nomenclature. Nat Immunol. 2013 Apr;14(4):307-8
33. Shafiani S, Dinh C, Ertelt JM, Moguche AO, Siddiqui I, Smigiel KS, Sharma P, **Campbell DJ**, Way SS, Urdahl KB. Pathogen-specific Treg cells expand early during mycobacterium tuberculosis infection but are later eliminated in response to Interleukin-12. Immunity. 2013 Jun 27;38(6):1261-70
34. Smigiel KS, Richards E, Srivastava S, Thomas KR, Dudda JC, Klonowski KD, **Campbell DJ**. CCR7 provides localized access to IL-2 and defines homeostatically distinct regulatory T cell subsets. J Exp Med. 2014 Jan 13;211(1):121-36
35. **Campbell DJ**. MyD88 and IL-1: loosening T(reg) cells' firm grip. Trends Immunol. 2014 Mar;35(3):95-6
36. Smigiel KS, Srivastava S, Stolley JM, **Campbell DJ**. Regulatory T-cell homeostasis: steady-state maintenance and modulation during inflammation. Immunol Rev. 2014 May;259(1):40-59
37. Srivastava S, Koch MA, Pepper M, **Campbell DJ**. Type I interferons directly inhibit regulatory T cells to allow optimal antiviral T cell responses during acute LCMV infection. J Exp Med. 2014 May 5;211(5):961-74
38. Duhon T, **Campbell DJ**. IL-1 β promotes the differentiation of polyfunctional human CR6+CXCR3+ Th1/17 cells that are specific for pathogenic and commensal microbes. J Immunol. 2014 Jul 1;193(1):120-9
39. Gratz IK, **Campbell DJ**. Organ-specific and memory Treg cells: specificity, development, function, and maintenance. Front Immunol. 2014 Jul 15;5:333.

40. Srivastava S, Koch LK, **Campbell DJ**. IFN α R Signaling in Effector but Not Regulatory T Cells Is Required for Immune Dysregulation during Type I IFN-Dependent Inflammatory Disease. *J Immunol*. 2014 Sep 15;193(6):2733-42.