

Curriculum Vitae

Prof. Dr. Erika L. Pearce

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Positions

Since 2015	Director, Max Planck Institute of Immunobiology and Epigenetics, Freiburg im Breisgau, Germany
2014–2015	Associate Professor (with tenure), Department of Pathology and Immunology, Washington University School of Medicine, St. Louis, MO, USA
2011–2014	Assistant Professor, Department of Pathology and Immunology, Washington University School of Medicine, St. Louis, MO, USA
2009–2011	Assistant Member, Trudeau Institute, Saranac Lake, NY, USA

Educations

2005	PhD Cell and Molecular Biology University of Pennsylvania, School of Medicine Philadelphia, Pennsylvania, USA
1998	B.A. Biological Sciences Cornell University, College of Arts and Sciences, Ithaca, New York, USA

Selected Professional Activities and Service

Since 2017	Member of the Advisory Editorial Board for Journal of Experimental Medicine
Since 2016	Member of the Editorial Board for Cell
Since 2016	Member of the Editorial Board for Cell Metabolism

Selected Scientific Advisory Boards and Consulting Activities

Since 2017	Steering Committee for Immunometabolism, Janssen Pharmaceuticals
Since 2016	External Immunology Board member, Immunology Network, GlaxoSmithKline
Since 2015	Scientific Advisory Board member, ImmunoMet Therapeutics

Selected Publications

1. Klein Geltink RI, O'Sullivan D, Corrado M, Bremser A, Buck MD, Buescher JM, Firat E, Zhu X, Niedermann G, Caputa G, Kelly B, Warthorst U, Rensing-Ehl A, Kyle RL, Vandersarren L, Curtis JD, Patterson AE, Lawless S, Grzes K, Qiu J, Sanin DE, Kretz O, Huber TB, Janssens S, Lambrecht BN, Rambold AS, Pearce EJ, and **Pearce EL**. Mitochondrial Priming by CD28. *Cell*. 2017 Sep 1 S0092-8674(17)30943-1.
2. Buck MD, Sowell R, Kaech SM, and **Pearce EL**. Metabolic Instruction of Immunity. *Cell*. 2017 May 4; 169(4): 570-586.
3. Buck MD, O'Sullivan D, Klein Geltink RI, Curtis JD, Chang CH, Sanin DE, Qiu J, Kretz O, Braas D, van der Windt GJW, Chen Q, Huang S, O'Neill CM, Edelson BT, Pearce EJ, Sesaki H, Huber TB, Rambold AS, and **Pearce EL**. Mitochondrial Dynamics Controls T Cell Fate Through Metabolic Reprogramming. *Cell*. 2016 Jun 30; 166(1): 63-76. Epub 2016 Jun 8.
4. Chang CH*, Qiu J*, O'Sullivan D, Buck MD, Noguchi T, Curtis JD, Chen Q, Gindin M, Gubin MM, van der Windt GJW, Tonc E, Schreiber RD, Pearce EJ, and **Pearce EL**. Metabolic competition in the tumor microenvironment is a driver of cancer progression. Equal contribution*. *Cell*. 2015 Sep 10; 162(6): 1229-41. Epub 2015 Aug 27.
5. O'Sullivan D and **Pearce EL**. Targeting T Cell Metabolism for Therapy. *Trends Immunol*. 2015 Jan 15. pii: S1471-4906(14)00229-4.
6. Chang CH, Curtis JD, Maggi Jr. LB, Faubert B, Villarino AV, O'Sullivan D, Huang SC, van der Windt GJW, Blagih J, Qiu J, Weber JD, Pearce EJ, Jones RG, and **Pearce EL**. 2013. Post-Transcriptional Control Of T Cell Effector Function By Aerobic Glycolysis. *Cell*. 2013 Jun 6; 153(6): 1239-51. PMID: PMC3804311.
7. **Pearce EL**, Walsh MC, Cejas PJ, Harms GM, Shen H, Wang LS, Jones RG, Choi Y. Enhancing CD8 T-cell memory by modulating fatty acid metabolism. *Nature*. 2009 Jul 2; 460(7251): 103-7. Epub 2009 Jun 3. PMID: PMC2803086.