

Curriculum Vitae

1. General information

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| Name | Ajay Chawla, M.D., Ph.D. | | |
| Affiliation | Professor of Physiology and Medicine, University of California San Francisco | | |
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2. Educational background & professional experience

| Year | Affiliation | Position |
|-----------|---|---|
| 2014- | Dept. of Physiology, Cardiovascular Research Institute, University of California San Francisco | Professor |
| 2012-2014 | Dept. of Physiology, Cardiovascular Research Institute, University of California San Francisco | Associate Professor |
| 2003-2010 | Dept. of Medicine, Stanford University School of Medicine | Assistant Professor |
| 2002-2003 | Dept. of Medicine, Stanford University School of Medicine | Acting Assistant Professor |
| 1998-2002 | Gene Expression Laboratory of Dr. Ronald M. Evans, The Salk Institute for Biological Studies, San Diego | Postdoctoral Fellow |
| 1996-2000 | UCSD Medical Center, San Diego | Internal Medicine Residency Endocrinology Fellowship |
| 1989-1996 | University of Pennsylvania, School of Medicine | M.D., Ph.D. |
| 1985-1989 | Johns Hopkins University | B.Sc in Biomedical Engineering |

3. Research interests

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| <ol style="list-style-type: none"> 1. Transcriptional control of innate immune activation 2. Role of innate immunity in thermogenesis and metabolism 3. Immune and metabolic determinants of tissue regeneration |
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4. List of major publications

1. Lee, MW, Odegaard, J.I., Mukundan, L., Qiu, Y., Molofsky, A.B., Nussbaum, J.C., Yun, K., Locksley, R.M., Chawla, A. Activated Type 2 Innate Lymphoid Cells Regulate Beige Fat Biogenesis. **Cell**. 2015 Jan 15;160(1-2):74-87. Epub 2014 Dec 24. PMID: PMC4297518
2. Qiu, Y., Nguyen, K.D., Odegaard, J.I, Cui, X., Tian, X., Locksley, R.M., Palmiter, R.D., Chawla, A. Eosinophils and type 2 cytokine signaling in macrophages orchestrate development of functional beige fat. **Cell**. 2014. Jun 5;157(6):1292-1308. PMID: 24906148.
3. Nguyen, K.D., Fentress, S. J., Qiu, Y., Yun, K., Cox, J.S, Chawla, A. Circadian gene Bmal1 regulates diurnal oscillations of Ly6C^{hi} inflammatory monocytes. **Science**. 2013 Sep 27; 341(6153):1483-8. PMID: 23970558. PMID: PMC3836670.
4. Heredia, J.E., Mukundan, L. Chen, F., Mueller, A.A., Deo, R., Locksley, R.M., Rando, T.A., Chawla, A. Type 2 innate signals stimulate fibro/adipogenic progenitors to facilitate muscle regeneration. **Cell**. 2013 Apr 11;153(2):376-88. PMID: PMC3663598.
5. Nguyen, K.D., Qiu, Y. Cui, X., Goh, Y.P. Sharon, Mwangi, J. David, T., Mukundan, L., Brombacher, F., Locksley, R. M., Chawla, A. Alternatively activated macrophages produce catecholamines to sustain adaptive thermogenesis. **Nature**. 2011 Nov 20. doi: 10.1038/nature10653. PMID: PMC3371761
6. Odegaard, J.I., Ricardo-Gonzalez, R.R., Goforth, M.H., Morel, C.R., Subramanian, V., Mukundan, L., Vats, D., Brombacher, F., Ferrante, A.W., Chawla, A. Macrophage-specific PPAR γ controls alternative activation and improves insulin resistance. **Nature**, 447: 1116-20, 2007. PMID: PMC2587297.
7. Vats, D., Mukundan, L., Odegaard, J.I., Zhang, L., Smith, K.L., Morel, C.R., Greaves, D.R., Murray, P.J., Chawla, A. Oxidative metabolism and PGC-1 β attenuate macrophage-mediated inflammation. **Cell Metabolism**, 4, 13-24, 2006. PMID: PMC1904486.