

Stanford

Khoa D Nguyen

Casual - Non-Exempt, Pathology Sponsored Projects

Bio

HONORS AND AWARDS

- Stanford Graduate Fellowship, Stanford University (2009-2012)
- AHA Research Award, American Heart Association (2012)
- AHA Fellowship, American Heart Association (2012-2013)
- Dean's Fellowship, Stanford University (2014-2015)
- APDA Fellowship, American Parkinson's Disease Foundation (2014-2015)
- Hugh McDevitt Prize, Stanford University (2014)
- SPARK's Award, Stanford University (2014-present)
- Charles Carrington Memorial Prize, Stanford University (2015)
- LLHF Fellowship, Larry L. Hillblom Foundation (2015-2018)

Publications

PUBLICATIONS

- **Circadian Gene *Bmal1* Regulates Diurnal Oscillations of Ly6C(hi) Inflammatory Monocytes** *SCIENCE*
Nguyen, K. D., Fentress, S. J., Qiu, Y., Yun, K., Cox, J. S., Chawla, A.
2013; 341 (6153): 1483-1488
- **Alternatively activated macrophages produce catecholamines to sustain adaptive thermogenesis** *NATURE*
Nguyen, K. D., Qiu, Y., Cui, X., Goh, Y. P., Mwangi, J., David, T., Mukundan, L., Brombacher, F., Locksley, R. M., Chawla, A.
2011; 480 (7375): 104-U272
- **Macrophage-mediated inflammation in metabolic disease** *NATURE REVIEWS IMMUNOLOGY*
Chawla, A., Nguyen, K. D., Goh, Y. P.
2011; 11 (11): 738-749
- **Myeloid sphingosine-1-phosphate receptor 1 is important for CNS autoimmunity and neuroinflammation.** *Journal of autoimmunity*
Tsai, H. C., Nguyen, K., Hashemi, E., Engleman, E., Hla, T., Han, M. H.
2019
- **In vitro and in vivo metabolite identification of a novel benzimidazole compound ZLN005 by LC-MS/MS.** *Rapid communications in mass spectrometry : RCM*
Sun, W., Nguyen, K. D., Fitch, W. L., Banister, S. D., Tang, H., Zhang, X., Yu, L., Engleman, E. G., Rajadas, J.
2018
- **Altered signaling in systemic juvenile idiopathic arthritis monocytes** *CLINICAL IMMUNOLOGY*
Macaubas, C., Wong, E., Zhang, Y., Nguyen, K. D., Lee, J., Milojevic, D., Sheno, S., Stevens, A. M., Ilowite, N., Saper, V., Lee, T., Mellins, E. D.
2016; 163: 66-74
- **Thermoneutral Housing Accelerates Metabolic Inflammation to Potentiate Atherosclerosis but Not Insulin Resistance.** *Cell metabolism*
Tian, X. Y., Ganeshan, K., Hong, C., Nguyen, K. D., Qiu, Y., Kim, J., Tangirala, R. K., Tontonoz, P., Chawla, A.

2016; 23 (1): 165–78

- **Functional cortical neurons and astrocytes from human pluripotent stem cells in 3D culture.** *Nature methods*
Pasca, A. M., Sloan, S. A., Clarke, L. E., Tian, Y., Makinson, C. D., Huber, N., Kim, C. H., Park, J., O'Rourke, N. A., Nguyen, K. D., Smith, S. J., Huguenard, J. R., Geschwind, et al
2015; 12 (7): 671-678
- **Adaptive Immunity and Antigen-Specific Activation in Obesity-Associated Insulin Resistance** *MEDIATORS OF INFLAMMATION*
Chng, M. H., Alonso, M. N., Barnes, S. E., Nguyen, K. D., Engleman, E. G.
2015
- **Functional cortical neurons and astrocytes from human pluripotent stem cells in 3D cultures.** *Nature Methods*
Pasca, A. M., Sloan, S., Clarke, L. E., Tian, Y., Makinson, C., Huber, N., Kim, C., Park, J., O'Rourke, N., Nguyen, K., Smith, S. J., Huguenard, J., Geschwind, et al
2015: 671–78
- **Serum amyloid A induces mitogenic signals in regulatory T cells via monocyte activation.** *Molecular immunology*
Nguyen, K. D., Macaubas, C., Truong, P., Wang, N., Hou, T., Yoon, T., Mellins, E. D.
2014; 59 (2): 172-179
- **Serum amyloid A induces mitogenic signals in regulatory T cells via monocyte activation** *MOLECULAR IMMUNOLOGY*
Nguyen, K. D., Macaubas, C., Phi Truong, P., Wang, N., Hou, T., Yoon, T., Mellins, E. D.
2014; 59 (2): 172-179
- **Eosinophils and type 2 cytokine signaling in macrophages orchestrate development of functional beige fat.** *Cell*
Qiu, Y., Nguyen, K. D., Odegaard, J. I., Cui, X., Tian, X., Locksley, R. M., Palmiter, R. D., Chawla, A.
2014; 157 (6): 1292–1308
- **Signaling by IL-6 promotes alternative activation of macrophages to limit endotoxemia and obesity-associated resistance to insulin.** *Nature immunology*
Mauer, J., Chaurasia, B., Goldau, J., Vogt, M. C., Ruud, J., Nguyen, K. D., Theurich, S., Hausen, A. C., Schmitz, J., Brönneke, H. S., Estevez, E., Allen, T. L., Mesaros, et al
2014; 15 (5): 423–30
- **Eosinophils secrete IL-4 to facilitate liver regeneration.** *Proceedings of the National Academy of Sciences of the United States of America*
Goh, Y. P., Henderson, N. C., Heredia, J. E., Red Eagle, A., Odegaard, J. I., Lehwald, N., Nguyen, K. D., Sheppard, D., Mukundan, L., Locksley, R. M., Chawla, A.
2013; 110 (24): 9914-9919
- **Eosinophils secrete IL-4 to facilitate liver regeneration.** *Proceedings of the National Academy of Sciences of the United States of America*
Goh, Y. P., Henderson, N. C., Heredia, J. E., Red Eagle, A., Odegaard, J. I., Lehwald, N., Nguyen, K. D., Sheppard, D., Mukundan, L., Locksley, R. M., Chawla, A.
2013; 110 (24): 9914-9919
- **Alternative activation in systemic juvenile idiopathic arthritis monocytes** *CLINICAL IMMUNOLOGY*
Macaubas, C., Nguyen, K. D., Peck, A., Buckingham, J., Deshpande, C., Wong, E., Alexander, H. C., Chang, S., Begovich, A., Sun, Y., Park, J. L., Pan, K., Lin, et al
2012; 142 (3): 362-372
- **Serum amyloid A overrides T-reg anergy via monocyte-dependent and T-reg-intrinsic, SOCS3-associated pathways** *BLOOD*
Nguyen, K. D., Macaubas, C., Nadeau, K. C., Phi Truong, T., Yoon, T., Lee, T., Park, J. L., Mellins, E. D.
2011; 117 (14): 3793-3798
- **Plasma profiles in active systemic juvenile idiopathic arthritis: Biomarkers and biological implications** *PROTEOMICS*
Ling, X. B., Park, J. L., Carroll, T., Nguyen, K. D., Lau, K., Macaubas, C., Chen, E., Lee, T., Sandborg, C., Milojevic, D., Kanegaye, J. T., Gao, S., Burns, et al
2010; 10 (24): 4415-4430
- **Individual Variation in the Germline Ig Gene Repertoire Inferred from Variable Region Gene Rearrangements** *JOURNAL OF IMMUNOLOGY*
Boyd, S. D., Gaeta, B. A., Jackson, K. J., Fire, A. Z., Marshall, E. L., Merker, J. D., Maniar, J. M., Zhang, L. N., Sahaf, B., Jones, C. D., Simen, B. B., Hanczaruk, B., Nguyen, et al
2010; 184 (12): 6986-6992
- **Distribution of circulating cells in systemic juvenile idiopathic arthritis across disease activity states** *CLINICAL IMMUNOLOGY*
Macaubas, C., Nguyen, K., Deshpande, C., Phillips, C., Peck, A., Lee, T., Park, J. L., Sandborg, C., Mellins, E. D.
2010; 134 (2): 206-216

- **TSLP directly impairs pulmonary Treg function: association with aberrant tolerogenic immunity in asthmatic airway.** *Allergy, asthma, and clinical immunology : official journal of the Canadian Society of Allergy and Clinical Immunology*
Nguyen, K. D., Vanichsarn, C., Nadeau, K. C.
2010; 6 (1): 4-?
- **Measurement and Clinical Monitoring of Human Lymphocyte Clonality by Massively Parallel V-D-J Pyrosequencing** *SCIENCE TRANSLATIONAL MEDICINE*
Boyd, S. D., Marshall, E. L., Merker, J. D., Maniar, J. M., Zhang, L. N., Sahaf, B., Jones, C. D., Simen, B. B., Hanczaruk, B., Nguyen, K. D., Nadeau, K. C., Egholm, M., Miklos, et al
2009; 1 (12)
- **Oligoarticular and polyarticular JIA: epidemiology and pathogenesis** *NATURE REVIEWS RHEUMATOLOGY*
Macaubas, C., Nguyen, K., Milojevic, D., Park, J. L., Mellins, E. D.
2009; 5 (11): 616-626
- **Impaired IL-10-dependent Induction of Tolerogenic Dendritic Cells by CD4(+)CD25(hi)CD127(lo-) Natural Regulatory T Cells in Human Allergic Asthma** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Nguyen, K. D., Vanichsarn, C., Nadeau, K. C.
2009; 180 (9): 823-833
- **PPAR-delta senses and orchestrates clearance of apoptotic cells to promote tolerance** *NATURE MEDICINE*
Mukundan, L., Odegaard, J. I., Morel, C. R., Heredia, J. E., Mwangi, J. W., Ricardo-Gonzalez, R. R., Goh, Y. P., Eagle, A. R., Dunn, S. E., Awakuni, J. U., Nguyen, K. D., Steinman, L., Michie, et al
2009; 15 (11): 1266-U59
- **Selective deregulation in chemokine signaling pathways of CD4(+)CD25(hi)CD127(lo-) regulatory T cells in human allergic asthma** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Nguyen, K. D., Vanichsarn, C., Fohner, A., Nadeau, K. C.
2009; 123 (4): 933-939
- **XCL1 enhances regulatory activities of CD4(+)CD25(high)CD127(low-) T cells in human allergic asthma** *JOURNAL OF IMMUNOLOGY*
Nguyen, K. D., Fohner, A., Booker, J. D., Dong, C., Krensky, A. M., Nadeau, K. C.
2008; 181 (8): 5386-5395
- **Increased cytotoxicity of CD4(+) invariant NKT cells against CD4(+)CD25(hi)CD127(lo-) regulatory T cells in allergic asthma** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Nguyen, K. D., Vanichsarn, C., Nadeau, K. C.
2008; 38 (7): 2034-2045
- **Regulatory T cells and their role in rheumatic diseases: a potential target for novel therapeutic development.** *Pediatric rheumatology online journal*
Milojevic, D., Nguyen, K. D., Wara, D., Mellins, E. D.
2008; 6: 20-?
- **Altered phosphorylated signal transducer and activator of transcription profile of CD4(+)CD161(+) T cells in asthma: Modulation by allergic status and oral corticosteroids** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Gernez, Y., Tirouvanziam, R., Nguyen, K. D., Herzenberg, L. A., Krensky, A. M., Nadeau, K. C.
2007; 120 (6): 1441-1448
- **Lymphotoxin improves treg function in asthmatics via the STAT5 pathway** *7th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
Fohner, A., Nguyen, K., Krensky, A. M., Nadeau, K. C.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2007: S77-S77
- **Distinct molecular and cellular aspects of systemic juvenile idiopathic arthritis (SJIA) and polyarticular (PolyJIA)** *7th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
Macaubas, C., Nguyen, K., Pan, K., Lee, T., Deshpande, C., Sandborg, C., Cohen, S., Mellins, E.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2007: S94-S95