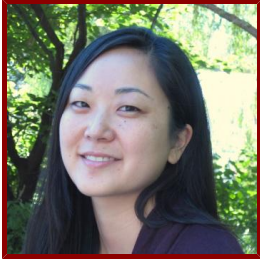


# Stanford

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## Jennifer K. Bando

Assistant Professor of Microbiology and Immunology  
Microbiology & Immunology

### Bio

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#### ACADEMIC APPOINTMENTS

- Assistant Professor, Microbiology & Immunology

#### HONORS AND AWARDS

- Pathway to Independence Award (K99/R00), National Institute of Diabetes and Digestive and Kidney Diseases (2019-current)
- Cancer Research Institute-Irvington Postdoctoral Fellow, Cancer Research Institute (2016-2019)

#### PROFESSIONAL EDUCATION

- Postdoctoral Research Associate, Washington University in St. Louis , Department of Pathology and Immunology (2021)
- Ph.D., University of California - San Francisco , Biomedical Sciences (2014)
- B.S., University of California - Los Angeles , Marine Biology/Biochemistry (2005)

#### LINKS

- Bando Lab Website: <https://www.bandolab.com/>

### Publications

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#### PUBLICATIONS

- **Spatial distribution of LT $\alpha$ -like cells in intestinal mucosa regulates type 3 innate immunity.** *Proceedings of the National Academy of Sciences of the United States of America*  
Secca, C., Bando, J. K., Fachi, J. L., Gilfillan, S., Peng, V., Di Luccia, B., Cella, M., McDonald, K. G., Newberry, R. D., Colonna, M.  
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- **Heterogeneity of meningeal B cells reveals a lymphopoietic niche at the CNS borders.** *Science (New York, N.Y.)*  
Brioschi, S., Wang, W., Peng, V., Wang, M., Shchukina, I., Greenberg, Z. J., Bando, J. K., Jaeger, N., Czepielewski, R. S., Swain, A., Mogilenko, D. A., Beatty, W. L., Bayguinov, et al  
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- **Indole-3-Carbinol-Dependent Aryl Hydrocarbon Receptor Signaling Attenuates the Inflammatory Response in Experimental Necrotizing Enterocolitis.** *ImmunoHorizons*  
Nolan, L. S., Mihi, B. n., Agrawal, P. n., Gong, Q. n., Rimer, J. M., Bidani, S. S., Gale, S. E., Goree, M. n., Hu, E. n., Lanik, W. E., Huang, E. n., Bando, J. K., Liu, et al  
2021; 5 (4): 193–209
- **ILC2s are the predominant source of intestinal ILC-derived IL-10.** *The Journal of experimental medicine*  
Bando, J. K., Gilfillan, S. n., Di Luccia, B. n., Fachi, J. L., Sécca, C. n., Cella, M. n., Colonna, M. n.  
2020; 217 (2)

- **Group 2 Innate Lymphoid Cells Induce Antibody Production in Gastric Tissue.** *Trends in immunology*  
Bando, J. K., Colonna, M. n.  
2020; 41 (8): 643–45
- **STING Gain-of-Function Disrupts Lymph Node Organogenesis and Innate Lymphoid Cell Development in Mice.** *Cell reports*  
Bennion, B. G., Croft, C. A., Ai, T. L., Qian, W. n., Menos, A. M., Miner, C. A., Frémond, M. L., Doisne, J. M., Andhey, P. S., Platt, D. J., Bando, J. K., Wang, E. R., Luksch, et al  
2020; 31 (11): 107771
- **Insulin-Like Growth Factors Are Key Regulators of T Helper 17 Regulatory T Cell Balance in Autoimmunity.** *Immunity*  
DiToro, D. n., Harbour, S. N., Bando, J. K., Benavides, G. n., Witte, S. n., Laufer, V. A., Moseley, C. n., Singer, J. R., Frey, B. n., Turner, H. n., Bruning, J. n., Darley-Usmar, V. n., Gao, et al  
2020; 52 (4): 650–67.e10
- **Subsets of ILC3-ILC1-like cells generate a diversity spectrum of innate lymphoid cells in human mucosal tissues.** *Nature immunology*  
Cella, M. n., Gamini, R. n., Sécca, C. n., Collins, P. L., Zhao, S. n., Peng, V. n., Robinette, M. L., Schettini, J. n., Zaitsev, K. n., Gordon, W. n., Bando, J. K., Yomogida, K. n., Cortez, et al  
2019; 20 (8): 980–91
- **Circadian rhythm-dependent and circadian rhythm-independent impacts of the molecular clock on type 3 innate lymphoid cells.** *Science immunology*  
Wang, Q. n., Robinette, M. L., Billon, C. n., Collins, P. L., Bando, J. K., Fachi, J. L., Sécca, C. n., Porter, S. I., Saini, A. n., Gilfillan, S. n., Solt, L. A., Musiek, E. S., Oltz, et al  
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- **Natural Killer Cells Control Tumor Growth by Sensing a Growth Factor.** *Cell*  
Barrow, A. D., Edeling, M. A., Trifonov, V. n., Luo, J. n., Goyal, P. n., Bohl, B. n., Bando, J. K., Kim, A. H., Walker, J. n., Andahazy, M. n., Bugatti, M. n., Melocchi, L. n., Vermi, et al  
2018; 172 (3): 534–48.e19
- **The Tumor Necrosis Factor Superfamily Member RANKL Suppresses Effector Cytokine Production in Group 3 Innate Lymphoid Cells.** *Immunity*  
Bando, J. K., Gilfillan, S. n., Song, C. n., McDonald, K. G., Huang, S. C., Newberry, R. D., Kobayashi, Y. n., Allan, D. S., Carlyle, J. R., Cella, M. n., Colonna, M. n.  
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- **IL-15 sustains IL-7R-independent ILC2 and ILC3 development.** *Nature communications*  
Robinette, M. L., Bando, J. K., Song, W. n., Ulland, T. K., Gilfillan, S. n., Colonna, M. n.  
2017; 8: 14601
- **SMAD4 impedes the conversion of NK cells into ILC1-like cells by curtailing non-canonical TGF- $\beta$  signaling.** *Nature immunology*  
Cortez, V. S., Ulland, T. K., Cervantes-Barragan, L. n., Bando, J. K., Robinette, M. L., Wang, Q. n., White, A. J., Gilfillan, S. n., Cella, M. n., Colonna, M. n.  
2017; 18 (9): 995–1003
- **Transforming Growth Factor- $\beta$  Signaling Guides the Differentiation of Innate Lymphoid Cells in Salivary Glands.** *Immunity*  
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2016; 44 (5): 1127–39
- **Innate lymphoid cell function in the context of adaptive immunity.** *Nature immunology*  
Bando, J. K., Colonna, M. n.  
2016; 17 (7): 783–89
- **Identification and distribution of developing innate lymphoid cells in the fetal mouse intestine.** *Nature immunology*  
Bando, J. K., Liang, H. E., Locksley, R. M.  
2015; 16 (2): 153–60
- **Leukotriene B4 amplifies eosinophil accumulation in response to nematodes.** *The Journal of experimental medicine*  
Patnode, M. L., Bando, J. K., Krummel, M. F., Locksley, R. M., Rosen, S. D.  
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- **Type 2 innate lymphoid cells constitutively express arginase-I in the naive and inflamed lung** *JOURNAL OF LEUKOCYTE BIOLOGY*  
Bando, J. K., Nussbaum, J. C., Liang, H., Locksley, R. M.

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- **Subsets of Nonclonal Neighboring CD4(+) T Cells Specifically Regulate the Frequency of Individual Antigen-Reactive T Cells** *IMMUNITY*  
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- **Divergent expression patterns of IL-4 and IL-13 define unique functions in allergic immunity** *NATURE IMMUNOLOGY*  
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- **Eosinophils Sustain Adipose Alternatively Activated Macrophages Associated with Glucose Homeostasis** *SCIENCE*  
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- **Lasting neuroendocrine-immune effects of traumatic brain injury in rats** *JOURNAL OF NEUROTRAUMA*  
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- **Differential effects of alcohol consumption and withdrawal on circadian temperature and activity rhythms in Sprague-Dawley, Lewis, and Fischer male and female rats** *ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH*  
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