

# Benjamin David Solomon

## Education

Washington University, St. Louis, MO

- Ph.D., Immunology Expected May, 2018
- M.D. Expected May, 2018

Cornell University, Ithaca, NY

- B.A., Biological Science, *Magna Cum Laude* May, 2009
- B.A., Philosophy May, 2009
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## Honors and awards

- Angela Zheng and Shawn Hu Graduate Fellowship in Immunology 2014
- NIH F30 Ruth L. Kirschstein NRSA Pre-doctoral Fellowship 2014
- Medical Scientist Training Program Fellow, Washington University 2009-present
- *Magna Cum Laude*, Cornell Biology Department Honors Thesis Program 2009
- Biomedical Research Apprenticeship Program Scholar, Washington University 2008
- First Place Research Presentation, Cornell University BioExpo Research Symposium 2008
- Cornell/HHMI Research Scholar 2007
- HHMI/NIH/MCPS Student Internship Scholar 2004

## Research experience

- Hsieh
- Murphy
- Bynoe
- O'Shea

## Computer skills

- Programming languages: R (proficient), Python (familiar)
- Operating systems: Windows (proficient), Linux (familiar), Macintosh (familiar)
- Web development: HTML (familiar), CSS (familiar), Bootstrap (familiar), Jekyll (familiar)
- Microsoft applications (proficient): Word, Excel, Powerpoint
- Flow cytometry software: FlowJo (proficient), FACSDiva (proficient)
- Adobe applications: Photoshop (proficient), Illustrator (familiar)
- Miscellaneous: Markdown (proficient), Git (familiar), Latex (familiar)

## Publications

- T. L. Ai, **B. D. Solomon**, and C.-S. Hsieh, "T-cell selection and intestinal homeostasis.," Immunol. Rev., vol. 259, no. 1, pp. 60–74, May 2014.
- W.-L. Lo, **B. D. Solomon**, D. L. Donermeyer, C.-S. Hsieh, and P. M. Allen, "T cell immunodominance is dictated by the positively selecting self-peptide.," Elife, vol. 3, p. e01457, Jan. 2014.
- P. P. Ni, **B. Solomon**, C.-S. Hsieh, P. M. Allen, and G. P. Morris, "The Ability To Rearrange Dual TCRs Enhances Positive Selection, Leading to Increased Allo- and Autoreactive T Cell Repertoires.," J. Immunol., vol. 193, no. 4, pp. 1778–86, 2014.
- B. D. Solomon**, C. Mueller, W.-J. Chae, L. M. Alabanza, and M. S. Bynoe, "Neuropilin-1 attenuates autoreactivity in experimental autoimmune encephalomyelitis.," Proc. Natl. Acad. Sci. U. S. A., vol. 108, no. 5, pp. 2040–5, Feb. 2011.
- B. U. Schraml, K. Hildner, W. Ise, W.-L. Lee, W. a-E. Smith, **B. Solomon**, G. Sahota, J. Sim, R. Mukasa, S. Cemerski, R. D. Hatton, G. D. Stormo, C. T. Weaver, J. H. Russell, T. L. Murphy, and K. M. Murphy, "The AP-1 transcription factor Batf controls T(H)17 differentiation.," Nature, vol. 460, no. 7253, pp. 405–9, Jul. 2009.
- W. T. Watford, B. D. Hissong, L. R. Durant, H. Yamane, L. M. Muul, Y. Kanno, C. M. Tato, H. L. Ramos, A. E. Berger, L. Mielke, M. Pesu, **B. Solomon**, D. M. Frucht, W. E. Paul, A. Sher, D. Jankovic, P. N. Tsichlis, and J. J. O'Shea, "Tpl2 kinase regulates T cell interferon-gamma production and host resistance to *Toxoplasma gondii*.," J. Exp. Med., vol. 205, no. 12, pp. 2803–12, Nov. 2008.

## Abstracts

### Teaching experience

- *Neurol 554: Neural Science*, Washington University School of Medicine (Spring '11)
- *VETMI 315: Basic Immunology Teaching Assistant*, Cornell University (Fall '08)
- *BIOBM 330: Principles of Biochemistry Teaching Assistant*, Cornell University (Fall '07- Spring '09)

### Academic positions

- *Medical Scientist Training Program Student Committee*
- *Undergraduate Biology Student Advisor*

## Curriculum Vitae

- *Global Health Minor Advisory Committee* (Fall '06 – present)
- *Cornell Health International* (CHI)– Chief Operating Officer (Fall '06 – Spring'07)