

# Daniel Bryan Goodman, PhD

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## Scientific Interests and Goals

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**My work focuses on developing high-throughput approaches to understand and engineer the human immune system.** In particular, I am interested in using tools from synthetic biology to both understand and control immune cell differentiation, activation, expansion, and homeostasis for therapeutic applications, with an emphasis on cell therapies for cancer. To this end I use generative computational models to design new receptors, circuits and other genetic elements at scale, and then synthesize, deliver, and measure the function of these DNA sequences in high-throughput pooled single-cell functional assays.

## Academic Positions

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2025-  
present

*Assistant Professor*, Department of Cancer Biology, University of Pennsylvania

## Areas of specialization

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Synthetic Biology · Cancer Immunotherapy · Immunology · Systems Biology · Genome Engineering · Bioinformatics · Computational Biology · Technology Development for Molecular Biology · Oligonucleotide Libraries · Pooled genetic selections and screens · Comparative Genomics and Evolution · Data Visualization

## Education

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2017-2025

Postdoctoral Fellowship, University of California at San Francisco

— Advisors: *Kole T. Roybal*, *Alex Marson*, *Jeff A. Bluestone*

— Jane Coffin Childs Postdoctoral Fellow

2009-2016

PhD in Bioinformatics and Integrative Genomics,  
Massachusetts Institute of Technology

— Thesis: *Understanding Genetic Systems through Multiplexed Design, Synthesis, and Measurement*

— Advisor: *George M. Church*

— NSF Graduate Research Fellow

2008-2009

Whitaker International Bioengineering Fellow, University of Cambridge.

— Project: *Image Recognition and Microfluidics for Bead-based DNA Sequencing*

— Advisor: *Simon Tavaré*

2003-2008

BS in Bioengineering w/ specialization in Bioinformatics,  
University of California at San Diego

— Senior Thesis: *Viral Genome Rearrangements in Baculoviridae inform phylogeny and function*

— Advisor: *Pavel A. Pevzner*

## Honors & awards

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2023	Irving Cancer Immunology Symposium Fellow
2021	Fifty Years: 50 Fifty 50 top early-career scientists at the intersection of Academia and entrepreneurship
2017	Jane Coffin Childs Memorial Postdoctoral Fellowship
2015	Martha Gray Prize for Excellence in Research, Harvard-MIT Division of Health Science and Technology
2012	SynBERC Practices Fellow, Six Parties Synthetic Biology Symposium
2009-2014	National Science Foundation Graduate Research Fellowship
2008-2009	Whitaker International Bioengineering Fellow
2003-2007	Provost Honors, Eleanor Roosevelt College at UCSD
2006	Pacific Rim Undergraduate Experience (PRIME) Award Recipient
2005	Google Summer of Code Award

## Consulting and Scientific Advisory Roles

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2022-present	Retro Bio, Scientific Advisor T Cell Therapy Program
2021-present	Manifold Bio, Scientific Advisor Immunology and Library Methods Development
2020-present	NeXTNet Inc., Scientific Advisor Bioinformatics, Immuno-oncology, Machine Learning
2019-2020	Arsenal Bio, Scientific Consultant Inventor on foundational IP, assisted with early implementation of T cell screening technology
2018-2019	HelixNano, Scientific Consultant Computational Biology and Human Transcriptomics for RNA Therapy

## Funding Awarded

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2021	Longevity Impetus Grant \$250,000; written, applied for, and awarded as independent PI
2021	Parker Institute Project Grant \$250,000; written with Kole Roybal

First and co-first author journal articles

1. **Goodman\***, D. B., Azimi\*, C. S., Kearns, K., Talbot, A., Garakani, K., Garcia, J., Patel, N., Hwang, B., Lee, D., Park, E., Vykunta, V. S., Shy, B. R., Ye, C. J., Eyquem, J., Marson, A., Bluestone, J. A. & Roybal, K. T. Pooled screening of CAR T cells identifies diverse immune signaling domains for next-generation immunotherapies. **Science Translational Medicine** **14**. eabm1463 (2022).
2. Schubert\*, M. G., **Goodman\***, D. B., Wannier, T. M., Kaur, D., Farzadfard, F., Lu, T. K., Shipman, S. L. & Church, G. M. High-throughput functional variant screens via in vivo production of single-stranded DNA. **Proceedings of the National Academy of Sciences** **118**. e2018181118 (2021).
3. **Goodman\***, D. B., Kuznetsov\*, G., Lajoie, M. J., Ahern, B. W., Napolitano, M. G., Chen, K. Y., Chen, C. & Church, G. M. Millstone: software for multiplex microbial genome analysis and engineering. **Genome Biology** **18**. 1–7 (2017).
4. Kuznetsov\*, G., **Goodman\***, D. B., Filsinger, G. T., Landon, M., Rohland, N., Aach, J., Lajoie, M. J. & Church, G. M. Optimizing complex phenotypes through model-guided multiplex genome engineering. **Genome Biology** **18**. 1–12 (2017).
5. **Goodman, D. B.**, Church, G. M. & Kosuri, S. Causes and effects of N-terminal codon bias in bacterial genes. **Science** **342**. 475–479 (2013).
6. Kosuri\*, S., **Goodman\***, D. B., Cambray, G., Mutalik, V. K., Gao, Y., Arkin, A. P., Endy, D. & Church, G. M. Composability of regulatory sequences controlling transcription and translation in Escherichia coli. **Proceedings of the National Academy of Sciences** **110**. 14024–14029 (2013).

All journal articles

1. Garcia\*, J., Daniels\*, J., Lee, Y., Zhu, I., Cheng, K., Liu, Q., **Goodman, D.**, Burnett, C., Law, C., Thienpont, C., Alavi, J., Azimi, C., Montgomery, G., Roybal, K. T. & Choi, J. Naturally occurring T cell mutations enhance engineered T cell therapies. en. **Nature** **626**. 626–634 (2024).
2. Blaeschke, F., Chen, Y. Y., Apathy, R., Daniel, B., Chen, A. Y., Chen, P. A., Sandor, K., Zhang, W., Li, Z., Mowery, C. T., Yamamoto, T. N., Nyberg, W. A., To, A., Yu, R., Bueno, R., Kim, M. C., Schmidt, R., **Goodman, D. B.**, Feuchtinger, T., Eyquem, J., Jimmie Ye, C., Carnevale, J., Satpathy, A. T., Shifrut, E., Roth, T. L. & Marson, A. Modular pooled discovery of synthetic knockin sequences to program durable cell therapies. en. **Cell** **186**. 4216–4234.e33 (2023).
3. Christmas, M. J., Kaplow, I. M., Genereux, D. P., Dong, M. X., Hughes, G. M., Li, X., Sullivan, P. F., Hindle, A. G., Andrews, G., Armstrong, J. C., Bianchi, M., Breit, A. M., Diekhans, M., Fanter, C., Foley, N. M., **Goodman, D. B.**, Goodman, L., Keough, K. C., Kirilenko, B., Kowalczyk, A., Lawless, C., Lind, A. L., Meadows, J. R. S., Moreira, L. R., Redlich, R. W., Ryan, L., Swofford, R., Valenzuela, A., Wagner, F., Wallerman, O., Brown, A. R., Damas, J., Fan, K., Gatesy, J., Grimshaw, J., Johnson, J., Kozyrev, S. V., Lawler, A. J., Marinescu, V. D., Morrill, K. M., Osmanski, A., Paulat, N. S., Phan, B. N., Reilly, S. K., Schäffer, D. E., Steiner, C., Supple, M. A., Wilder, A. P., Wirthlin, M. E., Xue, J. R., Zoonomia Consortium§, Birren, B. W., Gazal, S., Hubley, R. M., Koepfli, K.-P., Marques-Bonet, T., Meyer, W. K., Nweeia, M., Sabeti, P. C., Shapiro, B., Smit, A. F. A., Springer, M. S., Teeling, E. C., Weng, Z., Hiller, M., Levesque, D. L., Lewin, H. A., Murphy, W. J., Navarro, A., Paten, B., Pollard, K. S., Ray, D. A.,

Ruf, I., Ryder, O. A., Pfenning, A. R., Lindblad-Toh, K. & Karlsson, E. K. Evolutionary constraint and innovation across hundreds of placental mammals. **Science** **380**. eabn3943 (2023).

1. **Goodman\***, D. B., Azimi\*, C. S., Kearns, K., Talbot, A., Garakani, K., Garcia, J., Patel, N., Hwang, B., Lee, D., Park, E., Vykunta, V. S., Shy, B. R., Ye, C. J., Eyquem, J., Marson, A., Bluestone, J. A. & Roybal, K. T. Pooled screening of CAR T cells identifies diverse immune signaling domains for next-generation immunotherapies. **Science Translational Medicine** **14**. eabm1463 (2022).
2. Schubert\*, M. G., **Goodman\***, D. B., Wannier, T. M., Kaur, D., Farzadfard, F., Lu, T. K., Shipman, S. L. & Church, G. M. High-throughput functional variant screens via in vivo production of single-stranded DNA. **Proceedings of the National Academy of Sciences** **118**. e2018181118 (2021).
4. Nguyen, D. N., Roth, T. L., Li, P. J., Chen, P. A., Apathy, R., Mamedov, M. R., Vo, L. T., Tobin, V. R., **Goodman, D. B.**, Shifrut, E., Bluestone, J. A., Puck, J. M., Szoka, F. C. & Marson, A. Polymer-stabilized Cas9 nanoparticles and modified repair templates increase genome editing efficiency. **Nature Biotechnology** **38**. 44–49 (2020).
5. Roth, T. L., Li, P. J., Blaesche, F., Nies, J. F., Apathy, R., Mowery, C., Yu, R., Nguyen, M. L. T., Lee, Y., Truong, A., Hiatt, J., Wu, D., Nguyen, D. N., **Goodman, D. B.**, Bluestone, J. A., Ye, C. J., Roybal, K., Shifrut, E. & Marson, A. Pooled Knockin Targeting for Genome Engineering of Cellular Immunotherapies. **Cell** **181**. 728–744.e21 (2020).
6. Cheung, R., Insigne, K. D., Yao, D., Burghard, C. P., Wang, J., Hsiao, Y.-H. E., Jones, E. M., **Goodman, D. B.**, Xiao, X. & Kosuri, S. A multiplexed assay for exon recognition reveals that an unappreciated fraction of rare genetic variants cause large-effect splicing disruptions. **Molecular Cell** **73**. 183–194 (2019).
7. Chan, Y., Chan, Y. K., **Goodman, D. B.**, Guo, X., Chavez, A., Lim, E. T. & Church, G. M. Enabling multiplexed testing of pooled donor cells through whole-genome sequencing. **Genome Medicine** **10**. 1–11 (2018).
8. Der, B. S., Glassey, E., Bartley, B. A., Enghuus, C., **Goodman, D. B.**, Gordon, D. B., Voigt, C. A. & Gorochofski, T. E. DNAPlotlib: programmable visualization of genetic designs and associated data. **ACS Synthetic Biology** **6**. 1115–1119 (2017).
3. **Goodman\***, D. B., Kuznetsov\*, G., Lajoie, M. J., Ahern, B. W., Napolitano, M. G., Chen, K. Y., Chen, C. & Church, G. M. Millstone: software for multiplex microbial genome analysis and engineering. **Genome Biology** **18**. 1–7 (2017).
4. Kuznetsov\*, G., **Goodman\***, D. B., Filsinger, G. T., Landon, M., Rohland, N., Aach, J., Lajoie, M. J. & Church, G. M. Optimizing complex phenotypes through model-guided multiplex genome engineering. **Genome Biology** **18**. 1–12 (2017).
9. Ostrov, N., Landon, M., Guell, M., Kuznetsov, G., Teramoto, J., Cervantes, N., Zhou, M., Singh, K., Napolitano, M. G., Moosburner, M., Shrock, E., Pruitt, B. W., Conway, N., **Goodman, D. B.**, Gardner, C. L., Tyree, G., Gonzales, A., Wanner, B. L., Norville, J. E., Lajoie, M. J. & Church, G. M. Design, synthesis, and testing toward a 57-codon genome. **Science** **353**. 819–822 (2016).
10. Yang, L., Briggs, A. W., Chew, W. L., Mali, P., Guell, M., Aach, J., **Goodman, D. B.**, Cox, D., Kan, Y., Lesha, E., Soundararajan, V., Zhang, F. & Church, G. Engineering and optimising deaminase fusions for genome editing. **Nature Communications** **7**. 13330 (2016).

11. Gregg, C. J., Lajoie, M. J., Napolitano, M. G., Mosberg, J. A., **Goodman, D. B.**, Aach, J., Isaacs, F. J. & Church, G. M. Rational optimization of tolC as a powerful dual selectable marker for genome engineering. **Nucleic Acids Research** **42**. 4779–4790 (2014).
5. **Goodman, D. B.**, Church, G. M. & Kosuri, S. Causes and effects of N-terminal codon bias in bacterial genes. **Science** **342**. 475–479 (2013).
6. Kosuri\*, S., **Goodman\***, **D. B.**, Cambray, G., Mutalik, V. K., Gao, Y., Arkin, A. P., Endy, D. & Church, G. M. Composability of regulatory sequences controlling transcription and translation in Escherichia coli. **Proceedings of the National Academy of Sciences** **110**. 14024–14029 (2013).
12. Lajoie\*, M. J., Rovner\*, A. J., **Goodman, D. B.**, Aerni, H.-R., Haimovich, A. D., Kuznetsov, G., Mercer, J. A., Wang, H. H., Carr, P. A., Mosberg, J. A., Rohland, N., Schultz, P. G., Jacobson, J. M., Rinehart, J., Church, G. M. & Isaacs, F. J. Genomically recoded organisms expand biological functions. **Science** **342**. 357–360 (2013).
13. Isaacs, F. J., Carr, P. A., Wang, H. H., Lajoie, M. J., Sterling, B., Kraal, L., Tolonen, A. C., Gianoulis, T. A., **Goodman, D. B.**, Reppas, N. B., Emig, C. J., Bang, D., Hwang, S. J., Jewett, M. C., Jacobson, J. M. & Church, G. M. Precise manipulation of chromosomes in vivo enables genome-wide codon replacement. **Science** **333**. 348–353 (2011).
14. Tiemann-Boege, I., Curtis, C., Shinde, D. N., **Goodman, D. B.**, Tavaré, S. & Arnheim, N. Product length, dye choice, and detection chemistry in the bead-emulsion amplification of millions of single DNA molecules in parallel. **Analytical Chemistry** **81**. 5770–5776 (2009).
15. Gupta, N., Benhamida, J., Bhargava, V., **Goodman, D. B.**, Kain, E., Kerman, I., Nguyen, N., Ollikainen, N., Rodriguez, J., Wang, J., Lipton, M. S., Romine, M., Bafna, V., Smith, R. D. & Pevzner, P. A. Comparative proteogenomics: combining mass spectrometry and comparative genomics to analyze multiple genomes. **Genome Research** **18**. 1133–1142 (2008).

#### Preprints

1. Chang, C. R., Vykunta, V. S., **Goodman, D. B.**, Muldoon, J. J., Nyberg, W. A., Liu, C., Allain, V., Rothrock, A., Wang, C. H., Marson, A., Shy, B. R. & Eyquem, J. Ultra-high efficiency T cell reprogramming at multiple loci with SEED-Selection. **bioRxiv** (2024).

#### Reviews

1. Bucktrout, S. L., Banovich, N. E., Butterfield, L. H., Cimen-Bozkus, C., Giles, J. R., Good, Z., **Goodman, D. B.**, Jonsson, V. D., Lareau, C., Marson, A., Maurer, D. M., Munson, P. V., Stubbington, M., Taylor, S. & Cutchin, A. Advancing T cell-based cancer therapy with single-cell technologies. **Nature Medicine** **28**. 1761–1764 (2022).

#### Conference papers

1. Ferreira, L., Muller, Y. D., Kaul, A. M., Shaikh, H., Guerrero-Moreno, R., Yao, L. E., **Goodman, D. B.**, Bluestone, J. A. & Tang, Q. Chimeric antigen receptor signaling confers antitumor activity to human regulatory T cells. **AAI 2020** **204**. 238–1 (2020).

2. **Goodman\***, **D. B.**, Enghuus\*, C. & Church, G. M. *Design and Characterization of Genetic Circuits using Multiplex DNA Synthesis 7th International Workshop on Bio-Design Automation* (2015).
3. Kuznetsov\*, G., **Goodman\***, **D. B.**, Lajoie\*, M. J. & Church, G. M. *Millstone: Software for iterative genome engineering 7th International Workshop on Bio-Design Automation* (2015).
4. **Goodman\***, **D. B.**, Ollikainen, N. & Sholley, C. *Baculovirus phylogeny based on genome rearrangements Comparative Genomics: RECOMB 2007 International Workshop, RECOMB-CG 2007, San Diego, CA, USA, September 16-18, 2007. Proceedings 5* (2007), 69–82.

#### Invited talks

1. **Goodman, D. B.** *Multiplexed Synthetic Immunology: Scaling the design and measurement of engineered immune cells for new biological insights and therapies* Gordian Biotechnology Happy-hour Seminar Series. 2024.
2. **Goodman, D. B.** *Technologies to clonally track and measure libraries of engineered T cells* Manifold Bio Invited Speaker Series. 2023.
3. **Goodman, D. B.** *Engineering the Immune System in High-Throughput* Retro Bio Salon, 41st Annual J.P. Morgan Healthcare Conference. 2023.
4. **Goodman, D. B.** *Using Multiplexed Synthetic Biology to Meet the Data Demands of AI Models* Lux Capital & 50 Years, AI+Bio Hackathon. 2023.
5. **Goodman, D. B.** *Pooled screening of CAR T cells identifies diverse immune signaling domains for next-generation immunotherapies* International Mammalian Synthetic Biology Workshop (mSBW). 2021.
6. **Goodman, D. B.** & Azimi, C. A. *Pooled screening of CAR T cells identifies diverse immune signaling domains for next-generation immunotherapies* Keystone Symposium: Emerging Cellular Therapies, Cancer and Beyond. 2020.
7. **Goodman, D. B.** *Millstone: A cloud-based genome engineering platform* Synthetic Biology Engineering Research Council 2014 Spring Retreat. UC Berkeley, Berkeley, CA, USA. 2014.
8. **Goodman, D. B.** *Design and Interrogation of Genetic Elements using Megabase-scale DNA Synthesis* Wyss Institute Annual Retreat. Boston, MA, USA. 2013.
9. **Goodman, D. B.**, Kosuri, S., Cambray, G., Mutalik, V. K., Gao, Y., Arkin, A. P., Endy, D. & Church, G. M. *Composability of regulatory sequences controlling transcription and translation in E. coli.* Synthetic Biology 6.0 Conference, University College London, London, UK. 2013.
10. **Goodman, D. B.** *Multiplex Synthesis and Characterization of Transcriptional and Translational Regulatory Elements in E. coli* Synthetic Biology Engineering Research Council 2012 Spring Retreat. UC Berkeley, Berkeley, CA, USA. 2012.
11. Boettger, L., **Goodman, D.**, O'Neill, E. & Yan, X. *Cambridge iBrain: Foundations for an Artificial Nervous System using Organizing Electrical Patterning* iGEM Jamboree 2008. Cambridge, MA, USA. 2008.
12. **Goodman, D.**, Xie, L., Wang, J., Chung, J., Ollikainen, N. & Bourne, P. E. *Genome Wide Identification of Off-site Protein Targets for Major Pharmaceuticals using Functional Site Similarity and Protein-Ligand Docking.* Intelligent Systems for Molecular Biology 2007. Vienna, Austria. 2007.

13. **Goodman, D.** & Levesque, M. *High-Throughput Virtual Screening of a Novel Kinase on the Grid: Homology Modeling and Template-based techniques*. Supercomputing 2006. Tampa Bay, FL, USA. 2006.
14. **Goodman, D.**, Ollikainen, N. & Sholley, C. *Genome Rearrangements In Baculovirus Genomes*. Algorithmic Biology 2006. La Jolla, CA, USA. 2006.

#### Patents

1. **Goodman, D. B.**, Azimi, C. S., Roybal, K. T., Bluestone, J. A. & Marson, A. *Method for making CAR-T libraries* US Patent App. US2022/014436. 2022.
2. Kuznetsov, G., Lajoie, M. J., Landon, M. M., Napolitano, M. G., **Goodman, D. B.**, Gregg, C. J., Church, G. M. & Ostrov, N. *Methods for rule-based genome design* US Patent 11,361,845. 2022.
3. Marson, A., Roth, T. L., **Goodman, D.**, Nguyen, D.-H. N. & Szoka, F. C. *Compositions and methods for modifying a target nucleic acid* US Patent App. 17/312,191. 2022.
4. Roybal, K. T., **Goodman, D. B.**, Azimi, C., Marson, A. & Bluestone, J. A. *Chimeric receptors with diverse co-regulatory sequences* 2022.

#### Press

1. AACR. *What we're reading: Article Recommendations from Our Deputy and Senior Editors* 2023. <https://cancerimmunolres.aacrjournals.org/content/canimarch/11/1/1.full-text.pdf>.
2. Cheng, N., Dainow, S., **Goodman, D. B.** & Kajderowicz, K. *SynBio for Human Health: Synergizing Synthetic Biology and Longevity* Panel at SynbioBeta & Translating Aging Podcast. 2023. <https://twitter.com/BioAgePodcast/status/1663946045469110272?s=20>.
3. Chavez, M., Teng, A. & **Goodman, D.** *Cell Therapies of the Future with Dan Goodman* Translation Podcast - Fifty Years. 2022. <https://translation.simplecast.com/episodes/cell-therapies-of-the-future-with-dan-goodman-qb5iesV4>.
4. Peltan, E., Elkington, J. & **Goodman, D.** *Breakthroughs in Cell Therapies, CRISPR, and Synbio* DNA Tie Club Podcast. 2021. <https://www.clubhouse.com/join/dnatie/S0AhDdZu/xoNRjlk5>.
5. Hamilton, K. *Science Magazine Podcast* September 27. 2013. <http://www.sciencemag.org/content/342/6157/475/suppl/DC2>.
6. Wade, N. *Synthetic Biology at the Megabase Scale* GetSynBio.com. October 22. 2013. <http://www.getsynbio.com/laboratory-george-church-synthetic-biology-megabase-scale/>.
7. Wade, N. *Genetic Code of E. Coli Is Hijacked by Biologists* New York Times. July 14. 2011. <http://www.nytimes.com/2011/07/15/health/15genome.html>.
8. Watts, G. *BBC Radio: Leading Edge* National Radio Program. Broadcast November 8. 2008. [http://www.bbc.co.uk/radio4/science/leadingedge\\_20081106.shtml](http://www.bbc.co.uk/radio4/science/leadingedge_20081106.shtml).

#### Teaching

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2023	Guest Lecturer, Genomic Systems Engineering Course, Johns Hopkins University
2018-2019	Guest Lecturer, Cellular Design 1 Course, Bristol University

2017	Guest Lecturer, SynBio CDT Course, Oxford University
2016	Judge, International Genetically Engineered Machines (iGEM), World Finals, Boston, MA
2015	Lecturer, ENG-SCI 222: Advanced Cellular Engineering, School of Engineering and Applied Sciences, Harvard University
2011	Head Teaching Fellow, International Genetically Engineered Machines (iGEM) Team, Harvard University Recruited & led team of 9 undergraduate students in synthetic biology project; presentation at an international competition; received gold medal
2007-2008	Salk Mobile Science Laboratory Taught underrepresented/underserved high school students basic molecular biology and science literacy
2007	Biology Teaching Assistant, University of California at San Diego. Section Leader for Upper Division Undergraduate Cellular Biology Course

#### Mentoring

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2022-2024	Mentored technician Clarity Chua, UCSF
2022-2024	Mentored technician Majo Duran, UCSF
2023	Mentored MD/PhD Student Ankit Salhotra, UCSF
2023	Mentored PhD Student Kamyar Yazdani, UCSF
2019-2020	Mentored research associate Somya Khare, Arsenal Biosciences Currently PhD Student, OHSU
2018	Mentored PhD student Ivana Vasic, UCSF Currently CEO, Vitra Labs
2018-2022	Mentored PhD student Camillia Azimi, UCSF Currently Post-doctoral Researcher at Mount Sinai, NYC
2017-2020	Mentored technician Emily Park, UCSF Currently PhD Student, Fred Hutchinson Cancer Center
2018-2020	Mentored technician Kendall Kearns, UCSF Currently PhD Student, UCSD
2015-2016	Mentored technician Divjot Kaur, Harvard University Currently Post-doctoral Researcher at University of Oxford
2013-2020	Mentored PhD student Max Schubert, Harvard University Currently Founder/Lead Project Scientist at BioBloom
2013-2015	Mentored undergraduate student Changping Chen, MIT Currently Software Engineer at Samsara



- 2013-2015    Mentored undergraduate student Woody Ahern, MIT  
                  Currently Graduate Student in Baker Lab, UW
- 2013-2015    Mentored MS student Casper Enghuus, Harvard University  
                  Currently Partner at BCG
- 2012-2014    Mentored PhD Student Gleb Kuznetsov, Harvard University  
                  Currently CEO, Manifold Bio

## References

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### Prof. Kole Roybal, PhD

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Papers, source code, and more information about past research can be found at my website:

<http://www.dbgoodman.com>