

I. Personal Information:

Polly Morrell Fordyce
Assistant Professor, Departments of Genetics and Bioengineering
Fellow, ChEM-H Institute
Investigator, Chan Zuckerberg Biohub
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Stanford University
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II. Educational Background:

9/2000-1/2007 **Ph.D., Physics**, Stanford University, Stanford, CA. Advisor: Steven M. Block. Thesis topic: Optical trapping and single-molecule fluorescence studies of kinesin proteins
9/1998-6/2000 **B.A., Physics; B.A. Biology**. University of Colorado at Boulder, Boulder, CO. Advisor: Anthony R. Barker. Thesis topic: Determination of the form factor and branching ratio of $K_L \rightarrow e^+ e^- \gamma$.

III. Professional Appointments:

3/1/2017-present **Investigator**, Chan Zuckerberg Biohub
9/1/2014-present **Co-Director**, Stanford Microfluidics Foundry
9/1/2014-present **Fellow**, Stanford ChEM-H
9/1/2014-present **Assistant Professor**, Department of Genetics, Stanford University
9/1/2015-present **Assistant Professor**, Department of Bioengineering, Stanford University
1/2007-8/2014 **Postdoctoral Training**, Department of Biochemistry & Biophysics, University of California San Francisco (Laboratory of Joseph L. DeRisi)
Microfluidic affinity assays for characterizing transcription factor binding
Microfluidic production of spectrally encoded beads
2011-2012 **Consultant**, GigaGen Inc., San Francisco, CA

IV. Honors and Awards:

2017-2022 Chan Zuckerberg Biohub Investigator
2017-2019 Alfred P. Sloan Foundation Research Fellow
2016-2021 NIH New Innovator Award (DP2)
2016, 2017 Research Corporation/Gordon & Betty Moore Foundation Scialog Fellow
2015-2017 Stanford University McCormick and Gabilan Fellowship
2012-2017 NIH Pathway to Independence Award (K99/R00)
2013 Gordon Research Conference poster competition, first prize
2008-2011 Helen Hay Whitney Postdoctoral Fellowship
2007 NIH Kirschstein NRSA Award (declined)
2003-2004 G.J. Lieberman Fellow
2002-2005 National Science Foundation Graduate Research Fellow
2002 Centennial Teaching Award
2001 National Science Foundation REU Grant Recipient
2000 *Phi Beta Kappa*, University of Colorado at Boulder

V. Scholarly Publications:

Peer-reviewed journal articles (original research):

1. Le, D.D., Shimko, T.C., Aditham, A.K., Keys, A.M., Orenstein, Y., and **Fordyce, P.M.** “Comprehensive, high-resolution binding energy landscapes reveal context dependencies of transcription factor binding”, bioRxiv 193904; <https://doi.org/10.1101/193904> (under review at PNAS).
2. Brower, K., Puccinelli, R., Markin, C.J., Shimko, T.C., Longwell, S.A., Cruz, B., Gomez-Sjoberg, R., and **Fordyce, P.M.** “An open-source, programmable pneumatic setup for operation and automated control of single- and multi-layer microfluidic devices”, *HardwareX*, *in press*.
3. Orenstein, Y., Puccinelli, R., Kim, R., **Fordyce, P.M.**, & Berger, B. “Optimized sequence library design for efficient in vitro interaction mapping”, *Cell Systems* 5:230-236 (2017).
4. Brower, K.*, White, A.K., and **Fordyce, P.M.** “Multi-step variable height photolithography for valved multilayer microfluidic devices”, *Journal of Visualized Experiments* 119, e55276 (2017). (* denotes equal authorship).
5. Nguyen, H.Q., Baxter, B.C., Brower, K., Diaz-Botia, C.A., DeRisi, J.L., **Fordyce, P.M.***, and Thorn, K.S.*. “Programmable microfluidic synthesis of over one thousand uniquely identifiable spectral codes”, *Advanced Optical Materials* 5(3), 1600548 (2017). (* denotes co-corresponding authors)
6. Perez, J.C., **Fordyce, P.M.**, Lohse, M.B., Hanson-Smith, V., DeRisi, J.L., and Johnson, A.J. “How duplicated transcription regulators can diversify to govern the expression of non-overlapping sets of genes”, *Genes & Development* 28:1272-7 (2014).
7. Dybbro, E., **Fordyce, P.M.**, Ponte, M., and Arron, S.T. “Hydraulic expulsion of Tumbu fly larvae”, *JAMA Derm.* 150:791-2 (2014).
8. Lohse, M.B., Hernday, A.D., **Fordyce, P.M.**, Noiman, L., Sorrells, T.R., Hanson-Smith, V., Nobile, C.J., DeRisi, J.L. and Johnson, A.D. “Identification and characterization of a recently evolved, novel class of sequence-specific DNA binding domains”, *PNAS* 110:7660-5 (2013).
9. Hernday, A.D., Lohse, M.B.*, **Fordyce, P.M.***, Nobile, C.J., DeRisi, J.L., and Johnson, A.D. “Structure of the transcriptional network controlling white-opaque switching in *Candida albicans*”, *Molecular Microbiology* [Epub ahead of print] (2013). (* denotes equal authorship)
10. Nelson, C.S., Fuller, C.K., **Fordyce, P.M.**, Greninger, A.L., Li, H., and DeRisi, J.L. “Microfluidic affinity and ChIP-seq analyses converge on a conserved FOXP2 binding motif that enables the detection of evolutionarily novel regulatory targets”, *Nucleic Acids Research*, 41:5991-6004 (2013).
11. **Fordyce, P.M.**, Pincus, D., Kimmig, P., Nelson, C., El-Samad, H., Walter, P., and DeRisi, J.L. “Basic leucine zipper transcription factor Hac1 binds DNA in two distinct modes as revealed by microfluidic analyses”, *PNAS* 109:E3084-93 (2012).
12. Gerver, R.E.*, Gomez-Sjoberg, R.*, Baxter, B.C.*, Thorn, K.S.*, **Fordyce, P.M.***, Diaz-Botia, C.A., Helms, B.A., and DeRisi, J.L. “Programmable microfluidic synthesis of spectrally encoded microspheres”. *Lab on a Chip* 12:4716-23 (2012). (* denotes equal authorship; author order was chosen by random draw)
13. **Fordyce, P.M.**, Diaz-Botia, C.A., Gomez-Sjoberg, R., and DeRisi, J.L. “Systematic characterization of feature dimensions and closing pressures for microfluidic valves produced via photoresist reflow”. *Lab on a Chip*, 12:4287-95 (2012).
14. **Fordyce, P.M.***, Gerber, D.*, Tran, D., Zheng, J., Li, H., DeRisi, J.L., and Quake, S.R., “*De novo* identification and biophysical characterization of transcription factor binding with microfluidic affinity analysis”, *Nature Biotechnology* 28:970-5 (2010). (* denotes equal authorship)
15. Valentine, M.T.*, **Fordyce, P.M.***, Krzysiak, T.C., Gilbert, S.P., and Block, S.M., “Individual dimers of the mitotic kinesin motor Eg5 step processively and support substantial loads in vitro”, *Nature Cell Biology* 8:470-476 (2006). (* denotes equal authorship)
16. Lang, M.J.*, **Fordyce, P.M.***, Engh, A.M., Neuman, K.C., and Block, S.M., “Simultaneous, coincident optical trapping and single-molecule fluorescence”, *Nature Methods* 1:133-139 (2004). (* denotes equal authorship)

17. Rosenfeld, S.S., **Fordyce, P.M.**, Jefferson, G.M., King, P.H., and Block, S.M., “Stepping and stretching – how kinesin uses internal strain to walk processively”, *Journal of Biological Chemistry* 278:18550-18556 (2003).
18. Lang, M.J., **Fordyce, P.M.**, and Block, S.M., “Combined optical trapping and single-molecule fluorescence”, *Journal of Biology* 2:6-10 (2003).
19. Alavi-Harati, A. et al., “Search for the decay $K_L \rightarrow \pi^0 e^+ e^-$ ”, *Physical Review Letters* 86:397-401 (2001).
20. Alavi-Harati, A., et al., “Measurement of the branching ratio of $K_L \rightarrow e^+ e^- \gamma$ ”, *Physical Review D* 64:1-4 (2001).

Peer-reviewed reviews and editorials:

1. Doudna, J., Bar-Ziv, R., Elf, J., Noireaux, V., Berro, J., Saiz, L., Vavylonis, D., Faulon, J.L., and **Fordyce, P.** “How will kinetics and thermodynamics inform our future efforts to understand and build biological systems?”, *Cell Systems* 4:144-146 (2017).
2. **Fordyce, P.**, and Ingolia, N. “Integrating systems biology data to yield functional genomics insights”, *Genome Biology* 12:302 (2011).
3. Valentine, M.T., **Fordyce, P.M.**, and Block, S.M., “Eg5 steps it up!”, *Cell Division* 1:31-39 (2006).

Book chapters:

21. **Fordyce, P.M.***, Valentine, M.T.*, and Block, S.M., “Advances in surface-based assays for single molecules”, in “Single-Molecule Techniques: A Laboratory Manual” (Cold Spring Harbor Monograph Series, 2008). (* denotes equal authorship)

Abstracts not published in other forms:

1. Nguyen, H.Q, Brower, K., Harink, B., Baxter, B., Thorn, K.S., & **Fordyce, P.M.** “Peptide library synthesis on spectrally encoded beads for multiplexed protein/peptide bioassays”, *Progress in Biomedical Optics and Imaging – Proceedings of SPIE* 10061, 100610Z (2017).

VI. Editorial Service:

Referee: Science, Nature Biotechnology, PNAS, Nature Methods, ACS Synthetic Biology, Journal of Laboratory Automation, Biophysical Journal, Lab on a Chip, Scientific Advances

VII. Grants:

Ongoing Research Support:

- | | |
|---|-------------------------|
| 1. NIH R00 GM099848-03, Role: PI, Type: R00 | 02/15/2015-12/31/2017 |
| “Using microfluidic affinity analysis to probe transcriptional regulation” | |
| 2. NIH R01 GM117106-03, Role: Co-I (PI: Gordan), Type: R01, subcontract | 09/25/2015-08/31/2020 |
| “New methods of quantitative modeling of protein-DNA interactions” | |
| 3. NIH 1DP2 GM123641-01, Role: PI, Type: DP2 | 09/30/2016 - 06/30/2021 |
| “Leveraging spectral encoding for high dimensional biological multiplexing.” | |
| 4. NIH R01 GM107132-01, Role: Co-I (PI: Dorsey), Type: R01, subcontract | 05/01/2017-08/31/2019 |
| “ A novel platform for synthesis of programmable proteome-scale peptide bead arrays” | |
| 5. Beckman Technology Development Grant, Role: PI (w/ Gephardt) | 04/01/2016-03/31/2018 |
| “TRAP-Seq: Leveraging spectrally encoded beads to enable high-throughput Tandem RNA and Protein | |
| 6. JIMB/NIST Metrology Seed Grant, Role: PI (w/ Herschlag) | 06/01/2016-05/31/2018 |
| “Developing and deploying a novel microfluidic platform for high-throughput quantitative enzymology” | |
| 7. Stanford Bio-X IIP, Role: PI (w/ Herschlag) | 09/01/2016-08/31/2018 |
| “Developing and deploying a novel microfluidic platform for high-throughput quantitative enzymology” | |
| 8. Stanford Bio-X IIP, Role: PI (w/ Cyert) | 09/01/2016-08/31/2018 |
| “ Deciphering the language of cellular protein interaction networks using spectrally encoded peptide-bead libraries.” | |

9. Chan Zuckerberg Biohub Investigator, Role: PI 03/01/2017-03/01/2022
"High-throughput assays to link protein variation with its functional effect"
10. Sloan Foundation, Role: PI 09/15/2017-09/14/2018
"Developing new microfluidic tools for quantitative, systems-scale biophysical measurements of molecular interactions."
11. Gordon and Betty Moore Foundation, Role: PI (w/ Ozkan) 08/01/2017-07/31/2018
"Unravelling the second secret of life: are all proteins allosteric?"
12. Precourt Institute for Energy Seed Grant, Role: PI (w/ Wakatsuki) 09/01/2017-08/31/2018
"Ecosystem-inspired biosystems design of energy-efficient enzymatic CO₂ fixation"

Completed Research Support:

1. K99 GM099848-02, Role: PI, Type: K99 09/15/2012-08/31/2014
"Using microfluidic affinity analysis to probe transcriptional regulation"
2. Stanford ChEM-H Microbiome Seed Grant, Role: PI 02/01/2016-01/31/2017
"Molecular analysis and engineering of the human microbiome"

VIII. Service as Grant Review

Served on NIH Study Section for a U01 grant application in 10/2017 and as a reviewer for internal seed grant applications to both NIST/JIMB and ChEM-H.

IX. Patents:

1. U.S. Patent Application 61/692,618. "Spectrally encoded microbeads and methods and devices for making and using same". B. Baxter, J. DeRisi, **P. Fordyce**, R. Gerver, R. Gomez-Sjoberg, K. Thorn. (2013).

X. University Administrative Service

Stanford Affiliations:

ChEM-H
Bio-X
Biophysics Program

University Committee Service:

2016-present Stanford ChEM-H Executive Committee
2014-present Stanford Bioengineering Graduate Admissions Committee
2014-present Stanford Genetics Graduate Program First Year Graduate Student Advisor
2014-present Stanford Bioengineering Graduate Program First Year Graduate Student Advisor
2015-present Stanford Genetics Retreat Planning Committee
2015-present Stanford Bioengineering Undergraduate Program Student Advisor

Thesis Committees:

2016- Kalli Kappel (R. Das), Biophysics
2016- Johnny Israeli (A. Kundaje), Biophysics
2017- Nikki Teran (A. Straight), Genetics
2016 Chelsea Kliebert (J. Cochran), Chemical & Systems Biology

Qualifying Examination Committees:

2015 Bojan Milic (S. Block), Applied Physics
2015 Daniel Hogan (S. Block), Applied Physics
2015 Kimberly Tsui (M. Bassik), Genetics
2015 Jessica Ribado (A. Bhatt), Genetics
2016 Arthur Meng (S. Block), Chemistry
2016 Eli Moss (A. Bhatt), Genetics

2016 Johnny Israeli (A. Kundaje), Biophysics
2016 Aaron Cravens (C. Smolke), Bioengineering
2016 Kalli Kappel (R. Das), Biophysics
2016 Chris Darryl Still II (S. Qi), Bioengineering
2016 K.C. Farrell (T. Stearns), Biology
2016 Athena Ierokomos (Z. Bryant), Bioengineering
2016 Nikki Teran (A. Straight), Genetics
2016 Surya Murty (S. Gambhir), Bioengineering
2017 Amalia Hadjitheodorou (J. Theriot), Bioengineering
2017 David Gennert (H. Chang), Genetics
2017 Binbin Chen (R. Altman & A. Alizadeh), Genetics
2017 Matias Kaplan (C. Smolke), Bioengineering

Upcoming:

2017 Nicole Xu (J. Dabiri), Mechanical Engineering
2017 Robert Coukos (A. Ting), Genetics
2017 Rolando Perez (A. Endy), Bioengineering
2017 Shreya Deshmukh (U. DeMirci), Bioengineering
2017 Abhiram Rao (S. Montgomery), Bioengineering

Thesis Defense Committees:

2015 Van Duesterberg (S. Block), Biophysics (Committee Chair)
2015 Christopher Emig (S. Quake), Bioengineering (Reader)
2015 Valentina del Olmo Toledo (C. Perez), Institute of Molecular Infection Biology (IMIB), Wurzburg
2015 Ariel Afek (D. Lukatsky), Kreitman School of Advanced Graduate Students, Israel
2016 Arthur Meng (S. Block), Chemistry (Committee Chair)
2016 Adam Backer (W.E. Moerner), ICME (Committee Chair)
2016 Siqi Tian (R. Das), Biochemistry (Committee Chair)
2016 Anthony Ho (W. Greenleaf), Applied Physics
2017 Michael Wisser (J. Dionne), Materials Science and Engineering

XI. Service to Professional Organizations

Membership: Biophysical Society, American Physical Society

XII. Presentations:

National and Regional Meetings:

1. **Biology and Mathematics in the Bay Area.** San Francisco, CA (2017) (invited speaker).
2. **Cold Spring Harbor Laboratories: Single Cell Analysis.** Cold Spring Harbor, NY (2017) (invited speaker).
3. **Stanford|EMBL Conference on Personalized Health.** Stanford, CA (2017) (invited speaker).
4. **UCSF Spring Mutation Workshop.** San Francisco, CA (2017) (invited speaker).
5. **Moore Foundation Scialog: Molecules Come to Life** (Participant). Tucson, AZ (2017) (invited participant).
6. **EMBS Micro and Nanotechnology in Medicine Conference.** Waikoloa, HI (2016) (invited speaker).
7. **Moore Foundation Scialog: Molecules Come to Life** (Participant). Tucson, AZ (2016) (invited participant).
8. **Epigenomics 2016.** San Juan, Puerto Rico (2016) (invited speaker).
9. **University of Utah: Rising Stars Symposium in Chemical Biology.** Salt Lake City, UT (2013) (invited speaker).
10. **Aspen Conference on Single-Molecule Biophysics.** Aspen, CO (2003) (selected talk).

International Meetings:

11. **OIST Microfluidics Compartmentalization Workshop.** Okinawa, Japan (2017) (invited speaker).

12. **EMBL Conference: Personalized Health.** Heidelberg, Germany (2015) (invited speaker).
13. **BIRS Conference: Rules of Protein-DNA Recognition, Computational and Experimental Advances.** Oaxaca, Mexico (2015) (invited speaker).
14. **Gordon Research Conference: Physics and Chemistry of Microfluidics.** Barga, Italy (2013) (invited flash talk).
15. **EMBL Conference: From Functional Genomics to Systems Biology.** Heidelberg, Germany (2010) (selected talk).

Extramural Seminars:

16. **University of California Berkeley Bioengineering Seminar.** Berkeley, CA (2017) (invited speaker).
17. **University of California Berkeley Nutrition Science and Technology Seminar.** Berkeley, CA (2017) (invited speaker).
18. **University of Minnesota Academic Health Center Duluth Research Seminar.** Duluth, MN (2016) (invited speaker).
19. **Memorial Sloane Kettering Computational Biology Seminar.** New York, NY (2016) (invited speaker).
20. **Princeton University Biophysics Seminar.** Princeton, NJ (2016) (invited speaker).
21. **Rice University Bioengineering Seminar.** Houston, TX (2015) (invited speaker).
22. **University of California Santa Barbara Junior Nanotech Network Workshop.** Santa Barbara, CA (2015) (invited speaker).
23. **University of California San Diego Department of Bioengineering Seminar.** San Diego, CA (2014) (invited speaker).
24. **University of California San Francisco Cardiovascular Research Institute Seminar.** San Francisco, CA (2014) (invited speaker).
25. **Princeton University Lewis-Sigler Institute Seminar.** Princeton, NJ (2014) (invited speaker).
26. **University of Washington Department of Bioengineering Seminar.** Seattle, WA (2014) (invited speaker).
27. **Stanford University Department of Genetics Seminar.** Stanford, CA (2014) (invited speaker).
28. **Harvard Medical School Department of Biological Chemistry & Molecular Pharmacology Seminar.** Boston, MA (2014) (invited speaker).
29. **Northwestern University Department of Molecular Biosciences Seminar.** Evanston, IL (2014) (invited speaker).
30. **University of California San Diego Department of Chemistry and Biochemistry Seminar.** La Jolla, CA (2014) (invited speaker).
31. **Harvard University FAS Center for Systems Biology Seminar.** Cambridge, MA (2014) (invited speaker).
32. **University of Colorado at Boulder Department of Biochemistry Seminar.** Boulder, CO (2014) (invited speaker).
33. **California Institute of Technology Department of Bioengineering Seminar.** Pasadena, CA (2014) (invited speaker).
34. **University of California Berkeley Department of Bioengineering Seminar.** Berkeley, CA (2014) (invited speaker).
35. **University of California Berkeley Department of Chemical Engineering Seminar.** Berkeley, CA (2014) (invited speaker).
36. **Cornell University Department of Molecular Biology and Genetics Seminar.** Ithaca, NY (2014) (invited speaker).
37. **Stanford University Department of Bioengineering Seminar.** Stanford, CA (2014) (invited speaker).
38. **University of Maryland Department of Bioengineering Seminar.** College Park, MD (2014) (invited speaker).
39. **University of Washington Genome Sciences Department Seminar.** Seattle, WA (2014) (invited speaker).
40. **Bio-Rad Seminar.** Pleasanton, CA (2013) (invited speaker).
41. **University of California Davis Chemistry Department Seminar.** Davis, CA (2013) (invited speaker).

42. **University of Santa Clara Chemistry Department Seminar.** Santa Clara, CA (2013) (invited speaker).
43. **Agilent Technologies Seminar.** Santa Clara, CA (2010) (invited speaker).
44. **Lawrence Berkeley National Laboratories Molecular Foundry Seminar.** Berkeley, CA (2008) (invited speaker).
45. **University of Colorado Optical Science and Engineering Seminar.** Boulder, CO (2006) (invited speaker).

XIII. Teaching:

Major Teaching Responsibilities:

- 2016 BIOE301D/GENE207 Microfluidics Device Laboratory (developed and taught new course)
Highlighted in Stanford Alumni Magazine:
https://alumni.stanford.edu/get/page/magazine/article/?article_id=92942
Highlighted in Stanford Report:
<http://news.stanford.edu/2017/08/16/engineering-students-help-geneticists-study-coral-bleaching/>
- 2015 GENE 241 (Biological Macromolecules) (led weekly discussion sections)

Other Teaching Responsibilities:

- 2014 BIOPHYS 250 (Seminar in Biophysics), Guest Lecturer
- 2014 BIOE393 (Bioengineering Departmental Research Colloquium), Guest Lecture
- 2015 Genetics Boot Camp, Instructor
- 2015 BIOE393 (Bioengineering 393), Guest Lecturer
- 2015 BIOP250 (Seminar in Biophysics), Guest Lecturer
- 2016 MI215 (Principles of Biological Techniques), Guest Lecturer
- 2016 BIOE393 (Bioengineering 393), Guest Lecturer
- 2017 INDE 217 (MSTP Physician Scientist Hour), Guest Lecturer
- 2017 BIOE393 (Bioengineering 393), Guest Lecturer

Other Mentoring:

- 2014 Keynote Speaker, Bioscience Welcome Dinner
- 2015 Faculty Mentor, Career Mentoring Lunch, Geneticists for Diversity in Science
- 2015 Faculty Mentor, ChEM-H Postdoctoral Retreat
- 2015 Faculty Mentor, Academic Career Discussion Chat, Genetics Department
- 2015 Faculty Mentor, Biology Postdoc Organization Meeting
- 2015 Faculty Mentor, Bioengineering Postdoc Organization Meeting
- 2015 Faculty Mentor, NIST postdoctoral seminar ("Applying to Faculty Positions")
- 2015 Faculty Mentor, School of Medicine Career Center capstone course
- 2016 Faculty Mentor, Biosciences Orientation Panel
- 2016 Faculty Mentor, Career Exploration Opportunities course
- 2016 Faculty Mentor, GradSWE Roundtable Lunch
- 2017 Faculty Mentor, SIMR Bioengineering Boot Camp
- 2017 Faculty Mentor, Biosciences Orientation Panel

XIV. Mentorship:

Postdoctoral Fellow Trainees:

- 2015- Craig Markin, Postdoctoral Fellow (joint with Herschlag Lab)
- 2015-2017 Dan Le, Postdoctoral Fellow (now at Dovetail Genomics)
- 2015- Adam White, Postdoctoral Fellow (joint with Quake Lab)
- 2016- Huy Nguyen, Postdoctoral Fellow
- 2017- Bjorn Harink, Postdoctoral Fellow

Graduate Students:

2017- Alexandra Sockell, Graduate Student (Genetics)
2015- Kara Brower, Graduate Student (Bioengineering)
2016- Tyler Shimko, Graduate Student (Genetics)
2016- Scott Longwell, Graduate Student (Bioengineering)
2016- Arjun Aditham, Graduate Student (Bioengineering)

Undergraduate Students:

2016-2017 Rebecca Bromley-Dulfano, Undergraduate Student (Physics)
2017- Alli Keyes, Undergraduate Student (Chemistry, ChEM-H program)
2017 Bianca Cruz, Undergraduate Student (Cal Poly Pomona, CAMPARE program)

Technicians:

2017- Michael Madsen, Research Specialist
2014-2017 Robert Puccinelli, Research Specialist (now at Chan Zuckerberg Biohub)
2015-2016 Chantal Guegler, Research Specialist (now a graduate student at MIT)

Rotation Students:

2015 David Morgens, Rotation Student (Genetics)
2015 Eli Moss, Rotation Student (Genetics)
2015 Naomi Genuth, Rotation Student (Biology)
2015 Christopher Probert, Rotation Student (Genetics)
2015 Linfeng Yang, Rotation Student (Bioengineering)
2015 Theo Susanto, Rotation Student (Genetics)
2016 David Gennert, Rotation Student (Genetics)
2016 Anton Jackson-Smith, Rotation Student (Bioengineering)
2016 Mira Mouffarej, Rotation Student (Bioengineering)
2017 Nelson Hall, Rotation Student (Bioengineering)

High School Students:

2016 Varun Venkatesh, High School Student
2017 Vedika Shenoy, High School Student