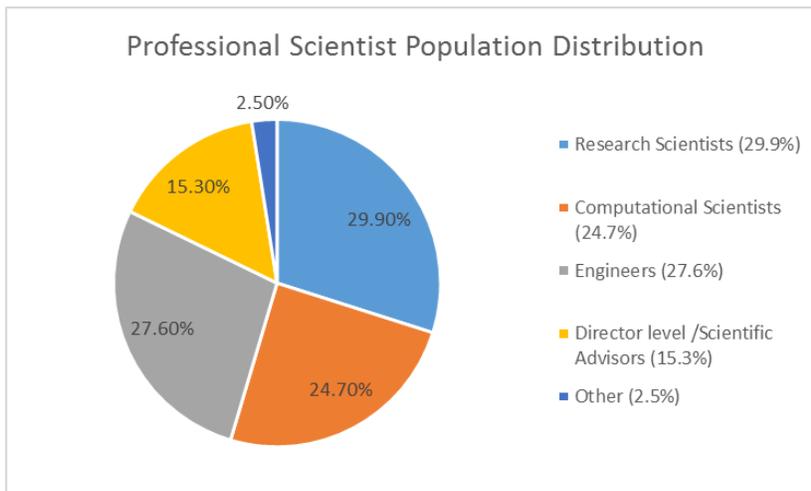


## Professional Scientists at the Broad Institute of MIT and Harvard Population Snapshot July 2017

### *Professional Scientists (Staff Scientists)*

The Broad Institute of MIT and Harvard has one of the largest populations of professional scientists of any academic organization in the world -- a diverse group that includes bench scientists, computational scientists, and software engineers.

Constituting approximately 48% of our 1100 employees (and 13.6% of our total population of employees and affiliates (e.g., Harvard, MIT and Harvard-affiliated hospital faculty, pre and post-doctoral trainees and researchers, and visiting scientific staff)<sup>1</sup>, the Broad Institute's 500+ professional scientists includes a heterogeneous mix of bachelor, masters and doctoral-level scientists and engineers past the training stage of their careers who contribute scientifically to the Broad mission.



<sup>2</sup> See footnote for examples of research and computational scientist roles at the Broad Institute

A subset of this broader population includes Ph.D. level research and computational scientists that arrive at the Broad possessing post-doctoral or industry expertise in a wide range of disciplines.

Of the 47 Ph.D. level research and computational scientists hired into the Broad Institute since July 2016:

- 29 came directly following a post-doctoral research fellowship
- 8 came from industry / non-academic positions
- 8 came from other academic positions (e.g., group leader, principal investigator, research associate, staff scientist)
- 2 came directly from Ph.D. programs

Ph.D. fields include the following: applied mathematics; biochemistry and biophysics; bioinformatics; biological chemistry; biological engineering; biology; biomedical engineering; biostatistics; cancer biology; cell and molecular biology; chemical and biomolecular engineering; chemistry; computational and systems biology; computational biology; computational physics; computer science; developmental biology and molecular genetics; developmental neuroscience; genetics; human biology; immunology; integrative biology; mathematical biology; molecular oncology; molecular physiology and biophysics; neurobiology; neuroscience; organic chemistry; pharmacology; physics; pathology; proteomics; structural biology, molecular biophysics, crystallography

<sup>1</sup> As of March 31, 2017

<sup>2</sup> Research Scientists include biochemists, molecular biologists, process development scientists, research scientists, and group leaders, but exclude junior scientific staff (research associates and technical specialists); Computational Scientists include computational associates / biologists / scientists and group leaders.

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***Institute Scientists***

The Broad Institute [recently named](#) 27 members of the professional scientist community as Institute Scientists, a newly-created role reflecting the importance of professional scientists within the Broad community. As Institute Scientists, these individuals are expected to:

- Catalyze scientific connections across all parts of the Broad community and beyond;
- Engage in key institutional issues, developments and decisions, including shaping scientific priorities;
- Foster the continual renewal of the Broad community by recruiting, mentoring and supporting a new generation of young scientists; and
- Fulfill key citizenship and service roles that strengthen the Broad community.

Selected on the basis of scientific excellence and an extensive track record of stewarding the Broad community, this first cohort of Institute Scientists are emblematic of the type of scientific careers that exist for Ph.D. level scientists and engineers who do not choose to become faculty or spend their entire career in industry. Ranging in discipline, position and career stage, of the 27 Institute Scientists:

- 25 possess a Ph.D., 1 (M.D./Ph.D.) and 1 (M.B.A.). Ph.D. fields include: biochemistry; biology; biophysics; cancer biology; cell biology; chemistry; computational biology; genetics; mathematics; microbiology; molecular and cellular biology; neuroscience/molecular pharmacology; nutritional biochemistry; organic chemistry; organismic and evolutionary biology; pharmacology; physical chemistry
- 6 previously held industry / non-academic positions, 3 held faculty / investigator / other academic science roles, and 18 joined the Broad Institute before or directly following graduate / post-doctoral training.
- 6 have been employed or affiliated with the Broad Institute for 15+ years, 8 (10-14 years), 8 (5-9 years), and 5 (2-4 years).

*See addendum for select Institute Scientist profiles. Biographies of all 27 Institute Scientists are available at <https://www.broadinstitute.org/people/institute-scientists>*

**About the Broad Institute of MIT and Harvard**

Broad Institute of MIT and Harvard was launched in 2004 to empower this generation of creative scientists to transform medicine. The Broad Institute seeks to describe all the molecular components of life and their connections; discover the molecular basis of major human diseases; develop effective new approaches to diagnostics and therapeutics; and disseminate discoveries, tools, methods, and data openly to the entire scientific community.

Founded by MIT, Harvard, Harvard-affiliated hospitals, and the visionary Los Angeles philanthropists Eli and Edythe L. Broad, the Broad Institute includes faculty, professional staff, and students from throughout the MIT and Harvard biomedical research communities and beyond, with collaborations spanning over a hundred private and public institutions in more than 40 countries worldwide. For further information about the Broad Institute, go to <http://www.broadinstitute.org>.