

PHYSICIAN-SCIENTIST Fellowship Program

Why We Need PHYSICIAN-SCIENTISTS

Physician-scientists are trained in a multidisciplinary approach that allows them to link the biomedical sciences to the clinical care of patients.

The CZ Biohub Physician-Scientist Fellowship Program gives clinicians the opportunity to work closely with scientists and train in disciplines that promise to transform current paradigms of patient care.

THROUGH THIS PROGRAM, CZ BIOHUB AIMS TO DEVELOP PHYSICIAN-SCIENTISTS CAPABLE OF:

- Posing and answering biological questions with high relevance to medicine
- Conversing fluently in the languages of biology and biochemistry, computational biology, technology and medicine
- Motivating and directing discovery-based research laboratories
- Competing effectively for extramural research funds

ABOUT THE CZ BIOHUB PHYSICIAN-SCIENTIST FELLOWSHIP PROGRAM

The CZ Biohub Physician-Scientist Fellowship Program is a 22- to 36-month, immersive, hands-on experience in biomedical research (laboratory or computational-based) intended as an introduction or as a supplement to prior experience.

Most importantly, no prior research experience is required.

TIMELINE

2019

- **AUGUST 6** Open for submission of applications
- **OCTOBER 1** Applications due
- **NOVEMBER** Interviews and finalist selection
- **DECEMBER** Award notifications

2020

- **JULY 1** Program begins

ELIGIBILITY

Applicants must be enrolled full-time in an accredited post-graduate medical training program at either UCSF or Stanford, hold an M.D., and neither hold nor be pursuing a Ph.D.

HOW TO APPLY

As part of the online application, you will be asked to provide a program director statement of support, submit two personal statements, references and curriculum vitae.

Online applications are due by October 1, 2019, 11:59 p.m. Pacific Daylight Time.

To access the application visit:
<http://bit.ly/psfp-application>.

Why We Need PHYSICIAN-SCIENTISTS

Physician-scientists bridge the ever-widening distance between practicing clinicians and fundamental scientific disciplines. Despite their important role in biomedical discovery, fewer and fewer physicians are dedicating their professional lives to research. Trained in a multidisciplinary approach, physician-scientists are uniquely equipped to pose questions that link the biomedical sciences to the clinical care of patients, leading to discoveries that enhance human health.



HOW TO APPLY

- Complete an application: <http://bit.ly/psfp-application>.
- As part of the online application, you will be asked to:
 - Provide contact information, personal information, and medical training status.
 - Provide a program director statement of support: <http://bit.ly/program-director-statement>.
 - Submit a personal statement of purpose addressing the question: What problem in medicine do you want to solve and how will the CZ Biohub experience help you achieve that goal? (300-word limit).
 - Submit a personal statement addressing the question: How do you envision the CZ Biohub Physician-Scientist Fellowship Program might have a positive impact on your future career? (300-word limit).
 - Submit a curriculum vitae (3-page limit).
 - Provide the names and contact information of 2 references.

Online applications are due by October 1, 2019, 11:59 p.m. Pacific Daylight Time.

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FOR MORE INFORMATION
www.CZBiohub.org/psfp



PHYSICIAN-SCIENTIST Fellowship Program

Connecting the practice of medicine
with basic and clinical research



About the CZ Biohub

PHYSICIAN-SCIENTIST FELLOWSHIP PROGRAM

The Chan Zuckerberg Biohub Physician-Scientist Fellowship Program aims to help clinicians who discover a passion for research during their residency or clinical fellowship by providing an immersive opportunity to develop skills in laboratory or computational biomedical research. Our goal is to help launch the next generation of physician-scientists who have expertise in clinical medicine and a passion for making discoveries and technological innovations that enhance human health.

THROUGH THIS PROGRAM, CZ BIOHUB AIMS TO DEVELOP AND SUPPORT PHYSICIAN-SCIENTISTS CAPABLE OF:

- Posing and answering biological questions with high relevance to medicine
- Conversing fluently in the languages of biology and biochemistry, computational biology, technology and medicine
- Motivating and directing discovery-based research laboratories
- Competing effectively for extramural research funds, especially career development or fellow-to-faculty transition awards

Physician-scientists
will be critical to the
goal of solving problems
previously thought
to be **impossible**.

PROGRAM SCOPE

The Chan Zuckerberg Biohub Physician-Scientist Fellowship program will be an immersive, hands-on experience in biomedical research (laboratory or computational-based) intended as an introduction or as a supplement to prior experience. **Most importantly, no prior research experience is required.** The core aspect of the program will be embedding for 22–36 months in the laboratory of a faculty mentor at one of CZ Biohub's three collaborating campuses (Stanford University, UCSF, or UC Berkeley) – or in one of the intramural research labs at CZ Biohub.

ADDITIONAL PROGRAM FEATURES WILL INCLUDE:

- Orientation before the program begins focusing on expectations, curriculum, and mentor matching
- Laboratory skills boot camps, including both:
 - A traditional skills-based boot camp
 - Project-based team challenges
- Rotations (two weeks each) in potential PI mentor labs
- Support and guidance during mentor selection process
- Program-wide get-togethers for peer-to-peer learning, presentations, and networking

FELLOWSHIP SUPPORT

Chan Zuckerberg Biohub Physician-Scientists will be paid according to their ACGME post-graduate scale and commensurate with other fellows/residents in their respective programs. The cost of salary and benefits will be split evenly between CZ Biohub and the home department/division. Awardees will receive an annual stipend for conference travel and other professional expenses.

CURRICULUM

The CZ Biohub Physician-Scientist Fellowship Program curriculum will be taught in a peer-to-peer fashion. Fellows will determine topics and meeting cadence, with a goal of 35 classes in a calendar year, and can invite faculty members to teach a class up to once per month, with likely topics including:

- Bioinformatics
- Coding
- Management
- Developmental biology
- Gene editing
- Systems biology
- Immunology
- Cell signaling
- Genomics
- Proteomics
- Drug development
- Medical economics
- Models of disease
- Manuscript writing
- Grant writing
- Ethics
- Lab administration
- Negotiation
- Seminar presentations
- Mentoring
- Career development
- Clinical/research/life balance

ELIGIBILITY

Applicants must be enrolled full-time in an accredited post-graduate medical training program at either UCSF or Stanford, hold an M.D., and neither hold nor be pursuing a Ph.D. Applicants must also:

- Participate in a residency or post-residency program during fellowship training
- Commit 100% time to a 24-month program, with an option for another 12 months
- Commit to at least 75% research effort while maintaining at least 20% clinical effort

Awardees will be expected to attend core curricular events, make regular presentations to their peers, and give research-in-progress talks at the annual program retreat.