



## Hyongsok Tom Soh

W. M. Keck Foundation Professor of Electrical Engineering, Professor of Radiology (Diagnostic Sciences Laboratory) and of Bioengineering

### CONTACT INFORMATION

- **Administrative Contact**

Ms. Elizabeth Bagley - Admin Assistant

**Email** ebagley@stanford.edu

### Bio

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#### BIO

Dr. Soh received his B.S. with a double major in Mechanical Engineering and Materials Science with Distinction from Cornell University and his Ph.D. in Electrical Engineering from Stanford University. From 1999 to 2003, Dr. Soh served as the technical manager of MEMS Device Research Group at Bell Laboratories and Agere Systems. He was a faculty member at UCSB before joining Stanford in 2015. His current research interests are in analytical biotechnology, especially in high-throughput screening, directed evolution, and integrated biosensors.

#### ACADEMIC APPOINTMENTS

- Professor, Radiology
- Professor, Electrical Engineering
- Professor, Bioengineering
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

#### HONORS AND AWARDS

- Fellow, National Academy of Inventors (NAI) (2017)
- Investigator, Chan-Zuckerberg Biohub (2017)
- Fellow, American Institute for Medical and Biological Engineering (AIMBE) (2014)
- Humboldt Fellowship, Alexander von Humboldt Foundation (2012)
- Edward Nagy Award, NIH (2011)
- Guggenheim Fellowship, John Simon Guggenheim Foundation (2010)
- Directors Transformative Research Award (TR01), NIH (2009)
- The Innovator Award, Society for Laboratory Automation and Screening (2009)

- Beckman Young Investigator Award, Arnold and Mabel Beckman Foundation (2005)
- ONR Young Investigator Award, Office of Naval Research (2004)
- World's Top 100 Young Innovator Award (TR100), MIT Review (2002)

## PROFESSIONAL EDUCATION

- Ph.D., Stanford University , Electrical Engineering (1999)
- M.S., Stanford University , Electrical Engineering (1995)
- B.S., Cornell University , Mechanical Engineering and Materials Science and Engineering (Double Major) (1992)

## LINKS

- H.T. Soh Research Lab: <https://sohlab.stanford.edu>

## Teaching

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### COURSES

#### 2025-26

- Molecular and Cellular Engineering Lab: BIOE 301A, EE 235 (Win)
- Science of Sensing: Exploring Biosensors and Devices: BIOS 434 (Spr)

#### 2024-25

- Molecular and Cellular Engineering Lab: BIOE 301A, EE 235 (Win)

#### 2023-24

- Analytical Methods in Biotechnology I: EE 235A (Win)

#### 2022-23

- Analytical Methods in Biotechnology I: EE 235A (Win)

### STANFORD ADVISEES

#### Doctoral Dissertation Reader (AC)

Kai Chang, Madeline Hays, AJ Phillips, Samantha van Rijs

#### Postdoctoral Faculty Sponsor

Yahao Dai, Qitao Hu, Jean Kwak, Edward Pimentel, Yujia Sun, Helen Wu, Zijian Yang

#### Doctoral Dissertation Advisor (AC)

Lexie Adams, Hajime Fujita, Deepak Gopalan, Linus Hein, Jenny Ji, Emma Kranich, Caoimhe Lyons, Grace Maddocks, Jason Saunders, Benj Wollant, Max Yates, Steven Yee

#### Master's Program Advisor

Edison Altamirano, Yousef Helal, Joshua Kim, Coco Layton, Edric Khai Jieh Ong, Riya Varma, Yuxuan Wu

#### Doctoral (Program)

Leen Abdul Razzak, Nahal Bagheri, Kai Chang, Karl Chen, Sergio Cordero, Roman Dimov, Sayra Gorgani, Lorenzo Magni, Jocasta Manasseh-Lewis, Kyle McLelland, Anna Miller, Kamila Thompson, Max Yates, Tomasz Zaluska