Stanford



# Jeffrey B. Tok

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## Bio

### BIO

Education:

The University of Washington, Seattle, WA, B.Sc. (Chemistry & Biochemistry), 1989-1992

The University of Chicago, Chicago, IL, Ph.D. (Bioorganic Chemistry), 1992-1996

Harvard University, Boston, MA, Postdoctoral Research Fellow (Bioorganic Chemistry), 1997-1999

Work Experience:

Assistant Professor, City University of New York, York College and Graduate Center, 1999-2003

Associate Professor, City University of New York, York College and Graduate Center, 2003-2004

Principal Scientist (Indefinite), Lawrence Livermore National Laboratory, 2004-2008

Chief BioScientist, Micropoint Bioscience Inc, 2008-2010

Senior Research Engineer/Scientist, Stanford University, 2010-present

Manager, Soft & Hybrid Materials Shared Facility, Stanford Nano Shared Facility, 2010-present

Lab Director, Uytengsu Teaching Lab, Stanford School of Engineering, 2010-present

Research Activities (via 'Google Scholar'):

https://scholar.google.com/citations?user=hXSGJC0AAAAJ&hl=en&oi=sra

### LINKS

- Uytengsu Teaching Laboratories at Shriram Center: https://uytengsuteachinglab.stanford.edu/

## Publications

### PUBLICATIONS

- **High-density soft bioelectronic fibres for multimodal sensing and stimulation.** *Nature*
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- **A tissue-like neurotransmitter sensor for the brain and gut.** *Nature*
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- **Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics.** *Science (New York, N.Y.)*
  Jiang, Y., Zhang, Z., Wang, Y. X., Li, D., Coen, C. T., Hwaun, E., Chen, G., Wu, H. C., Zhong, D., Niu, S., Wang, W., Saberi, A., Lai, et al
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- **High-brightness all-polymer stretchable LED with charge-trapping dilution.** *Nature*
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- **Monolithic optical microlithography of high-density elastic circuits.** *Science (New York, N.Y.)*
  Zheng, Y. Q., Liu, Y., Zhong, D., Nikzad, S., Liu, S., Yu, Z., Liu, D., Wu, H. C., Zhu, C., Li, J., Tran, H., Tok, J. B., Bao, et al
  2021; 373 (6550): 88-94
- **Artificial multimodal receptors based on ion relaxation dynamics.** *Science (New York, N.Y.)*
  You, I. n., Mackanic, D. G., Matsuhisa, N. n., Kang, J. n., Kwon, J. n., Beker, L. n., Mun, J. n., Suh, W. n., Kim, T. Y., Tok, J. B., Bao, Z. n., Jeong, U. n.
  2020; 370 (6519): 961–65
- **Genetically targeted chemical assembly of functional materials in living cells, tissues, and animals.** *Science (New York, N.Y.)*
  Liu, J. n., Kim, Y. S., Richardson, C. E., Tom, A. n., Ramakrishnan, C. n., Birey, F. n., Katsumata, T. n., Chen, S. n., Wang, C. n., Wang, X. n., Joubert, L. M., Jiang, Y. n., Wang, et al
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- **Skin electronics from scalable fabrication of an intrinsically stretchable transistor array** *NATURE*
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- **Highly stretchable polymer semiconductor films through the nanoconfinement effect** *SCIENCE*
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- **Intrinsically stretchable and healable semiconducting polymer for organic transistors** *NATURE*
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