

Stanford



Carl Keck

Ph.D. Student in Materials Science and Engineering, admitted Autumn 2020

Bio

HONORS AND AWARDS

- NSF GRFP, National Science Foundation (2022)
- NeuroTech Graduate Training Program Fellow, NeuroTech Graduate Training Program (2021)

EDUCATION AND CERTIFICATIONS

- M.S., Stanford University , Materials Science and Engineering (2022)
- B.S., California Institute of Technology , Materials Science (2020)

LINKS

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Publications

PUBLICATIONS

- **Learning from the brain's architecture: bioinspired strategies towards implantable neural interfaces.** *Current opinion in biotechnology*
Rommelfanger, N. J., Keck, C. H., Chen, Y., Hong, G.
2021; 72: 8-12
- **Differential Heating of Metal Nanostructures at Radio Frequencies** *PHYSICAL REVIEW APPLIED*
Rommelfanger, N. J., Ou, Z., Keck, C. C., Hong, G.
2021; 15 (5)
- **Bioinspired nanoantennas for opsin sensitization in optogenetic applications: a theoretical investigation** *Multifunctional Materials*
Keck, C., Rommelfanger, N., Ou, Z., Hong, G.
2021
- **Experimental Model Validation of High Aspect Ratio Through-Hole Filling by Additive-Assisted Copper Electrodeposition** *JOURNAL OF THE ELECTROCHEMICAL SOCIETY*
Johnson, M. T., Keck, C. C., Faber, K. T.
2017; 164 (2): D48-D52