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Continuous Health Monitoring -  
Wei Gao - 10/25/2019 **Wearable  
Tech Detects Stress  
Skin-Interfaced Wearable  
Sweat Biosensors - Wei Gao**  
*Skin Interfaced Wearable Sweat  
Biosensors for Personalized  
Healthcare - Wei Gao A sweat  
sensor to monitor your health Wei*

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Gao on Skin-Interfaced Wearable  
Sweat Bioensors MIT vs Caltech  
2020 Printing Life on a Microchip,  
Cutting Edge Biohacking, Harvard  
Asst. Prof. Yu Shrike Zhang, Ph D  
Caltech Neuroscience *A Day in  
the Life: Caltech PhD Student  
Video CV of Wei Gao* **Caltech**

## **Student Tour Introduction**

~~study hack from a neuroscience  
student (me) How smart is  
Caltech How I Got In: Caltech (Ep.  
2 Josh) Cal Tech Campus Tour  
Caltech Student Houses~~ **The**

## **World's Top 10 Universities A day in the life of a Bioengineering student**

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Ethan Buchman - Philosophical  
Perspective on the Engineering of  
Web 3 Top 5 Engineering Schools  
in the U.S. *A Day in the Life: MIT  
PhD Student* **The Caltech**

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**Effect: Katie Bouman on CS + Astronomy, Civil Engineering, Medicine, Seismology ...**

**President Rosenbaum on Coronavirus and the Caltech Community** Teaching at Caltech

~~AI Weekly Update - May 20th,~~

~~2020 (#21) COLLOQUIUM: The~~

Commensal Radio Astronomy

FAST Survey - Di Li - 9/30/20 ICCV

2015 Video Spotlights: Sessions

O-1A, P-1A

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Caltech Strategic Identity Project:

Telling the Caltech Story - 2014

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"Explore Caltech" Talks - May

20, 2020

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Wei Gao Caltech For Web

Research Overview. Professor

Gao's primary research interest is

in the development of novel

bioelectronic devices for

personalized and precision

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medicine: wearable and flexible biosensors that can analyze the various biomarkers in body fluids for real-time continuous health monitoring and early diagnosis, and synthetic micro/nanomachines for rapid drug delivery and precision surgery.

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Caltech Division of Engineering and Applied Science | Wei Gao  
Caltech Department of Applied Physics and Materials Science is home to academic and research programs in Applied Physics and in Materials Science. Research in Applied Physics is built on the foundations of quantum mechanics, statistical physics, electromagnetic theory,

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mechanics, and advanced mathematics. Materials Science research uses these same tools of physics and mathematics and adds to ...

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Caltech Materials Science | Wei Gao

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Institute of Technology Email:  
weigao@caltech.edu Pasadena,  
CA, 91125 Webpage:  
www.gao.caltech.edu Professional  
Experience 08/2017 - Assistant  
Professor of Medical Engineering  
Division of Engineering and  
Applied Science

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Wei Gao-CV-Mar 2020 for Web -  
Caltech

View Wei Gao's profile on  
LinkedIn, the world's largest  
professional community. Wei has  
3 jobs listed on their profile. See  
the complete profile on LinkedIn  
and discover Wei's connections ...

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Wei Gao - Assistant Professor -  
Caltech | LinkedIn  
Research Overview. Professor  
Gao's primary research interest is  
in the development of novel  
bioelectronic devices for  
personalized and precision  
medicine: wearable and flexible  
biosensors that can analyze the  
various biomarkers in body fluids  
for real-time continuous health  
monitoring and early diagnosis,

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and synthetic  
micro/nanomachines for rapid  
drug delivery and precision  
surgery.

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Andrew and Peggy Cherng  
Department of Medical  
Engineering ...

Wei Gao Receives IEEE EMBS  
Academic Early Career  
Achievement Award. 06-16-20  
Wei Gao, Assistant Professor of  
Medical Engineering, has won the  
2020 IEEE EMBS Academic Early  
Career Achievement Award for  
innovative and pioneering  
contributions in the field of  
bioelectronic devices from  
wearable biosensors for  
continuous personalized health  
monitoring to synthetic



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micro/nanorobotics for in vivo ...

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Caltech Division of Engineering  
and Applied Science | News  
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weigao@caltech.edu Pasadena,  
CA, 91125 Webpage:  
www.gao.caltech.edu Professional  
Experience 08/2017 – Assistant  
Professor of Medical Engineering  
Division of Engineering and  
Applied Science

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Wei Gao-Caltech for Web  
The Gao Research Group at the  
California Institute of Technology  
is a highly interdisciplinary

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research team devoted to developing versatile bioelectronic devices for fundamental and applied biomedical studies. Our research thrusts include fundamental materials and chemistry innovations as well as important device and system level applications toward personalized and precision medicine.

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Gao Research Group @ Caltech - Home

New Caltech faculty member Wei Gao is interested in the future of personalized and precision medicine, and is engineering the next generation of wearable health monitors and nanomachines that could enable

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rapid and hyper-localized drug  
delivery and surgery.

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The Science of Sweat: An  
Interview with Wei Gao | www ...  
Wei Gao. California Institute of  
Technology. Verified email at  
caltech.edu - Homepage.  
Wearable Sensors Digital  
Medicine Microrobotics  
Bioelectronics. Articles Cited by.  
Title. Sort. Sort by citations Sort  
by year Sort by title.

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Wei Gao - Google Scholar  
Wei Gao Receives IEEE EMBS  
Academic Early Career  
Achievement Award. 06-16-20  
Wei Gao, Assistant Professor of  
Medical Engineering, has won the

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2020 IEEE EMBS Academic Early Career Achievement Award for innovative and pioneering contributions in the field of bioelectronic devices from wearable biosensors for continuous personalized health monitoring to synthetic micro/nanorobotics for in vivo ...

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Andrew and Peggy Cherng  
Department of Medical  
Engineering ...

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www.weigaonano.com  
Professional Experience 08/2017 -

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Assistant professor of Medical  
Engineering Division of  
Engineering and Applied Science

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Wei Gao-Caltech for Web - Gao  
Research Group @ Caltech  
According to the official Caltech  
website, Gao's work usually  
revolves around the research and  
development of novel  
bioelectronic devices with  
practical biomedical applications.  
His work furthers...

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Caltech's Sweat-Powered E-Skin  
Could be Used to Power ...  
Wei Gao Receives IEEE EMBS  
Academic Early Career  
Achievement Award. 06-16-20  
Wei Gao, Assistant Professor of

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Medical Engineering, has won the 2020 IEEE EMBS Academic Early Career Achievement Award for innovative and pioneering contributions in the field of bioelectronic devices from wearable biosensors for continuous personalized health monitoring to synthetic micro/nanorobotics for in vivo ...

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Wei Gao - Andrew and Peggy Cherng Department of Medical ...  
Caltech's Wei Gao, assistant professor of medical engineering in the Andrew and Peggy Cherng Department of Medical Engineering, has been developing these sensors as well as novel approaches to power them using the human body itself. Previously,

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he created a sensor that could monitor health indicators in human sweat that is powered by sweat itself.

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New Device Powers Wearable Sensors ... - [www.caltech.edu](http://www.caltech.edu)  
Caltech Researcher Unveils Sensor that Rapidly Detects COVID-19 Infection Status, Severity, and Immunity October 01, 2020 One feature of the COVID-19 virus that makes it so difficult to contain is that it can be easily spread to others by a person who has yet to show any signs of infection.

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Caltech Researcher Unveils Sensor that Rapidly Detects ...

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Wei Gao, Assistant Professor of Medical Engineering, has won the 2020 IEEE EMBS Academic Early Career Achievement Award for innovative and pioneering contributions in the field of bioelectronic devices from wearable biosensors for continuous personalized health monitoring to synthetic micro/nanorobotics for in vivo biomedical applications. This award is given annually to an individual for ...

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Wei Gao Receives IEEE EMBS  
Academic Early Career ...

This laser-etched sensor developed by Caltech's Wei Gao can detect a COVID-19 infection in three ways. Credit: Caltech



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When attached to supporting electronics, the sensor can wirelessly transmit data to the user's cell phone through Bluetooth.

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