
Berkeley BioEnginuity Impact Grant Congratulations

BioEnginuity Impact Grant <bioenginuityimpact@berkeley.edu>
To: Gracehu <gracehu@berkeley.edu>

Tue, Jul 16, 2024 at 1:31 PM

Dear Grace,

We are pleased to inform you that you have been selected as a recipient of the Berkeley BioEnginuity Impact Grant. Your project, "Programming 4D-Bioprinted Tissue via Cellular Self-Organization," is very inspiring, demonstrating your unwavering dedication to STEM research and your commitment to addressing intricate societal issues through using a multidisciplinary approach to tackling a significant societal challenge. Your project exemplifies the kind of innovative thinking that sets you apart and aligns perfectly with the goals of the Berkeley BioEnginuity Impact Grant.

As a member of this year's cohort of the Berkeley BioEnginuity Impact Grant, you will receive two years of support, each year offering a stipend of \$40,000, which will facilitate your innovative research and help you to focus on interdisciplinary directions that aim to tackle societal issues. We are especially excited about the intellectual freedom this Impact Grant provides, enabling you to explore uncharted territory and develop applications that hold the potential to bring about lasting change.

We kindly request that you notify us of your decision to accept this prestigious Impact Grant opportunity. Please respond to this email to confirm your acceptance and provide us with the name and contact details of your Graduate Affairs Officer and your Research Assistant who will serve as a point of contact for coordinating the details of your Impact Grant. In addition to this letter, you will also receive a Research Project Implementing Letter (RPIL) with more details on program structure, and expectations of recipients.

Once again, congratulations on being selected for the Berkeley BioEnginuity Impact Grant and we look forward to hearing from you and officially welcoming you to the Berkeley BioEnginuity Impact Grant community. We believe that you have the potential to make a significant impact, and we look forward to supporting your future achievements and contributions to solving real-world problems for society.

Sincerely,

Dave Schaffer, Director
Susan Jenkins, Managing Director
Bakar BioEnginuity Hub





BioEnginuity Impact Grant

The Next Generation of Changemakers: Announcing the Recipients of the 2024 BioEnginuity Impact Grant

By: Niki Borghei



(Left to right): Maria Astolfi, Benjamin Carey, Grace Hu, Aidan Cowan

The BioEnginuity Impact Grant is thrilled to announce the selection of four exceptional doctoral students who will join our growing community of innovators at the intersection of life sciences, physical sciences, engineering, and data science. This grant supports emerging leaders in STEM fields who are dedicated to translating their research into real-world applications with significant societal impact.

Our four new grantees represent a diverse array of research interests and approaches, each demonstrating remarkable potential to address critical issues facing our world today. By fostering interdisciplinary collaboration and providing intellectual freedom, the BioEnginuity Impact Grant empowers these scholars to tackle existential challenges and advance cutting-edge solutions.

In order to construct tissues at scale and address the global organ shortage crisis, 3D-bioprinting presents an attractive opportunity for patient-specific personalization and high throughput. Grace's research focuses on printing cellular bioinks that self-organize into functional tissue. Coined '4D-bioprinting', the ability of living inks to change shape over time (the 4th dimension!) can be leveraged to direct origami-inspired tissue folding. By engineering tissues with real-time computational monitoring and feedback, I hope to build advanced tissue models for regenerative medicine and drug discovery.

Q: What made you interested in this area of research?

A: My life of chasing curiosity has led me to work on an array of meaningful projects where I realize ideas into innovation. I first learned the art of 3D-printing during a summer internship, where I watched how light could be projected on a pool of resin to rapidly fabricate elastomeric lattices. In college, I had also conducted research on synthesizing printable batteries to power a low-cost scanning electron microscope, as well as developing AI models to augment computer science education. These foundational experiences reinforced my values of creativity and compassion, the harmonious synergy of which helped me gravitate towards 4D-bioprinting in my PhD. My grandfather was a veteran and so today, I am inspired by his spirit and the veteran community to work towards the dream of wound healing and tissue regeneration.

Q: Why did you decide to apply for the grant?

A: I applied for the BioEnginuity Impact Grant because its principles of entrepreneurship and interdisciplinary collaborations really resonated with me. In particular, talking to startup founders will help me formulate a business model early on for better integration as I finish my PhD project. I am grateful that this grant exists to fund potentially breakthrough ideas, and it sparks a stronger motivation in me to achieve my

A: I look forward to joining this community of visionary changemakers in science and technology! Additionally, I would be honored to work with experts from the Bakar Labs and BBH network, particularly to translate my research for equitable tissue/organ replacement. By making 4D-bioprinting accessible and affordable for all, we can create truly transformative biomaterials that go beyond science and into society.

Aidan Cowen: Biological Upgrading of Electrochemically Reduced CO₂

Aidan works on turning carbon dioxide into plastics, fuels and other valuable chemicals using microorganisms. Microbes are powerful chemists which can turn carbon dioxide directly into these molecules. However, they can do a better job when we concentrate the carbon dioxide and perform highly efficient electrochemical reactions to turn it into other carbon molecules like formate and methanol. Microbes can more easily use these carbon dioxide-derived molecules as a source of carbon and energy. His work seeks to combine recent advances in electrochemistry with microbial fermentation to decarbonize chemical markets.

Q: What made you interested in this area of research?

A: Climate change is rapidly disrupting the conditions in which modern life has evolved. No other generation has witnessed such unprecedented changes to the ecosystems upon which we all rely. To preserve biodiversity and the stability of our modern society it is imperative that we rapidly develop technology which can not only mitigate the amount of fossil carbon we are emitting but also sequester carbon already emitted. Biological phenomena are responsible for the massive declines in atmospheric carbon observed over earth's history. Engineering biology to perform carbon fixation and valorization is desperately needed to avoid the most ruinous effects of climate change.



Grace Hu <gracehu@alumni.stanford.edu>

Fw: 2021 NDSEG Official Award Notice – Congratulations on your Appointment

Grace Hu <gracehu@stanford.edu>
To: Grace Hu <gracehu@alumni.stanford.edu>

Tue, Oct 19, 2021 at 1:32 AM

From: NDSEG.Registration@sysplus.com <NDSEG.Registration@sysplus.com>
Sent: Monday, March 29, 2021 9:33 AM
To: Grace Hu <gracehu@stanford.edu>
Cc: NDSEG.Registration@sysplus.com <NDSEG.Registration@sysplus.com>
Subject: 2021 NDSEG Official Award Notice – Congratulations on your Appointment

3/29/2021 12:33 PM

Dear Grace Hu,

It is a pleasure to inform you that you have been selected to receive the 2021 National Defense Science and Engineering Graduate (NDSEG) Fellowship Award, contingent upon the receipt of official transcripts and GRE scores. The effective date of this award is September 1, 2020.

This fellowship is awarded to you in recognition of your academic excellence in Science, Technology, Engineering and Math (STEM) achievements, from over 7942 applications that were received this year.

The NDSEG Fellowship Program is sponsored by the Air Force Office of Scientific Research (AFOSR), the Army Research Office (ARO), and the Office of Naval Research (ONR) under the Office of the Under Secretary for Research and Engineering. This program is administered by Systems Plus, Inc.

As an awardee you receive **full tuition and all mandatory fees coverage** for up to **36 months** at any accredited U.S. college or university that provides advanced degrees in science and engineering. In addition you will receive a **monthly stipend of \$3,200**, up to **\$1,200 annually for health insurance coverage**, and **\$5,000 travel budget** (all expenses paid based on the government travel policy per year for training and/or conferences that support their educational initiatives).

Please indicate your acceptance of this Fellowship by logging into the NDSEG web application (<https://ApplyNDSEG.sysplus.com/AwardAcceptance.aspx?AcceptanceCode=00007925de5eeca522e12fd5c9ff9077408dcf17>) by **April 30, 2021**. Once you have accepted your appointment, please read, sign, and upload you're the terms of appointment ([NDSEG Fellowship Terms Conditions Package](#)) no later than **May 31, 2021**.

Once accepted, we will provide information for the next steps which include providing updating University info, official GRE scores, transcripts, banking information and more.

If you have questions, you may contact us at NDSEG.PMO@sysplus.com.

Best Regards,
NDSEG Fellowship Program

Program Management Office (PMO)
Systems Plus, Inc.
Phone - 301-948-4232
Email – NDSEG.PMO@Sysplus.com
Web Link – <https://ApplyNDSEG.sysplus.com>

CERTIFICATE

IS PROUDLY PRESENTED TO

Grace Hu

For Exemplary Poster Presentation in

Biomedical Engineering

*National Defense Science and Engineering Graduate (NDSEG) Fellowship Program
4th Annual Conference, San Antonio, Texas*

August 3, 2023

DATE

Bindu Nair

DR. BINDU NAIR
Director for Basic Research Office of
the Secretary of Defense

Founder Region Fellowship Awards Event

Vicki Ham <vickiham01@gmail.com>
Bcc: gracehu@berkeley.edu

Tue, Mar 18, 2025 at 5:35 PM

Dear 2025 Fellowship Recipient,

Congratulations again on being selected to receive a 2025 Fellowship Grant. We will be presenting you with a \$10,000 check at the Fellowship Awards Dinner & Gala on May 2, 2025 at the Concord Hilton, Concord, CA.

Please find attached a letter explaining the events and details concerning the Fellowship Awards Program. The to-do-list at the end of the letter will help you prepare for our events as well.

Please keep in contact and let me know if you have any questions or concerns. I have copied the board member assigned to be your host on this email so you can start to correspond. Looking forward to seeing you soon.

--

Vicki Ham

President 2024-2026

Founder Region Fellowship

Soroptimist International of the Americas

Solving Puzzles by Degrees!

Email: vickiham01@gmail.com

[Fellowship Website](#)

[Founder Region Website](#)

Founder Region Fellowship (FRF)

Fellowship is the identifying project of Founder Region. FRF's mission is to advance the status of women through financial support to women in the final phase of their doctoral degree. This project gives grants to selected women attending universities within the bounds of Founder Region. A byproduct of this support is affirmation of the importance of the recipients' work and value as an individual.

Follow us:  [facebook](#)

 **2025 Conference Letter to Applicants.docx**
192K

Congratulations! You been selected for East Bay AWIS Scholarship

Radhika Gundavelli <rgundavelli@gmail.com>
To: gracehu@berkeley.edu

Sun, Aug 11, 2024 at 8:26 PM

Dear Grace Hu,

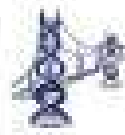
Congratulations! It is our pleasure to award you a 2024 AWIS East Bay Scholarship sponsored by 4DMT. The award is for the total of \$1,000, to be used towards advancing your career in STEM.

Please respond to this email with:

- Headshot for the AWIS Website. Example here <https://ebawis.org/scholarship>
- Short Bio (100 words)
- Mailing Address where we can mail the Scholarship check

Regards

Radhika Gundavelli
Volunteer, AWIS East Bay



CONGRATS TO OUR 2024 SCHOLARSHIP AWARDEES!

Ashley Ramos



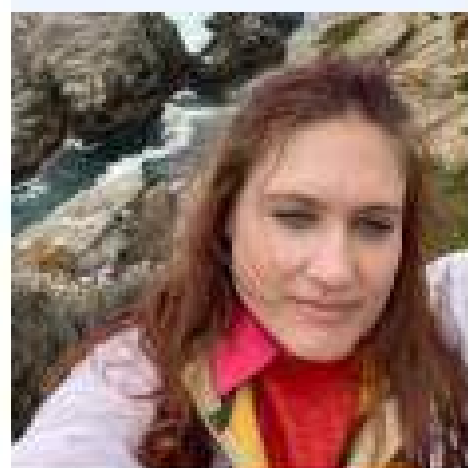
Mechanical Engineering
Contra Costa College
Lorraine McCormick
Scholarship

Kashish Vinayak



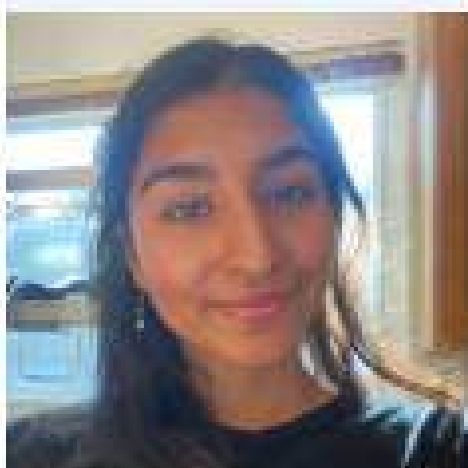
Data Science & Economics
University of
California, Berkeley
Lorraine McCormick
Scholarship

Sara Drazba



Nursing
Contra Costa College
Lorraine McCormick
Scholarship

Srihita Panati



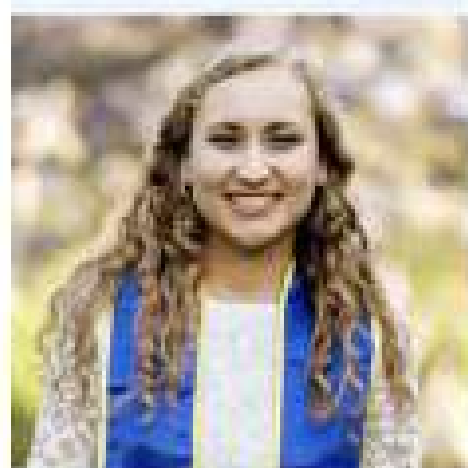
Electrical Engineering &
Computer Science
Contra Costa College
Sara Mathews Scholarship

Jimena Romano Silva



Integrative Biology
University of
California, Berkeley
Sara Mathews Scholarship

Lindsey Fontenot



Metabolic Biology
University of
California, Berkeley
Sara Mathews Scholarship

Sofia Esteve



Public Health & City Planning
University of
California, Berkeley
Sara Mathews Scholarship

Grace Hu



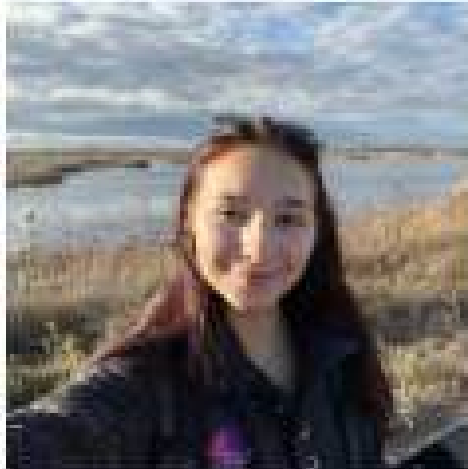
Bioengineering
UCSF - UC Berkeley
4D Molecular Therapeutics
Scholarship

Preeti Sundaramurthi



Biological Sciences
Cal. State University, East Bay
Helen Sowers Scholarship

Mya De Leon



Environmental Science
Cal. State University, East Bay
Helen Sowers Scholarship

Certificate of Participation

Innovation Cup 2024

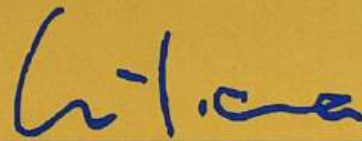
(July 20th – July 26th, 2024)

Congratulations to:

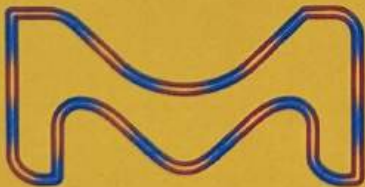
Grace Hu



Ulrich Betz
Vice President Innovation



Christian Tidona
CEO BioMedX GmbHvation



Merck Innovation Cup 2024 ***IMPORTANT ACTION***

Ulrich Betz <ulrich.betz@merckgroup.com>

Fri, May 10, 2024 at 12:22 PM

Dear Innovator,

I am happy to inform you that you have been selected to participate in the Merck Innovation Cup Summer Camp 2024! Congratulations!

Please make sure to fully block the dates July 20th – July 26th full day in your schedule.

In order to prepare properly for the Innovation Cup, the following steps are now required:

1) You will need to plan your travel such that you please arrive at the Lufthansa Training and Conference Center, Seeheim, Germany by July 20th, 07:00 CEST at the very latest, it is recommended to come the day before. Please register for the Summer Camp using this link provided here, your travel and accommodation is taken care of with the registration.

Please do this as soon as possible, best today! At the very latest by May 24th.

<https://mevents-innovationcup2024.plazz.net/>

2) In addition, please already block July 10th and July 11th, 14:00 – 15:00 CEST. At that days the 2024 Merck Future Insight Prize and the Johann Anton Merck Award will be given out and you can follow a live Linked-in webcast of these fantastic events or even better attend the Curious2024 – Future Insight Conference in Main, Germany in person! For a free ticket you can sign-up here:

[Register - Curious2024 Registration \(curious2024-registration.com\)](#) Please give “Innovation Cup” as part of your affiliation.

3) Details about the venue can be found here: <http://www.lh-seeheim.de/en/locationarrival/>

The Summer Camp will officially end July 26th in the late evening after the barbecue so you can travel back July 27th. A room in the Lufthansa Training and Conference Center will be reserved for you, please enter your travel details using the registration link above.

4) In case you need a visa, a special invitation letter might be required targeted specifically to the German Consulate in your country when you submit your visa application. If you require a visa to visit Germany, please submit your visa application ASAP and let me know immediately what kind of letter you need. This is very important to avoid any delays in your visa application process should you require this.

5) In case we are not yet connected via Linked-in, please send me a contact request. You will then be invited to join the Merck Innovation Cup Alumni Group!

6) For the Jury Day on July 26th at the Merck site in Darmstadt, it is mandatory to fill out an online registration form in advance. We therefore kindly ask you to use the following link:

Check-in [ServiceNow \(service-now.com\)](#). When asked for the approval for access, please enter “Alexandra Hammes”. Please complete this also by May 24th.

7) Please submit your dreams for a better tomorrow at: <https://www.curiousfutureinsight.org/dreamboard/>

8) To help you prepare for the cup, we have collected some advice from alumni and coaches on our alumni website: <https://alumni-innovation-cup.com/advice-innovation-cup/>

As the website is for cup attendants only, it is protected by a password: alu2020#inno

You will also need to register and create a profile to access it.

End of June I will provide more information on who your team members are and which ideas they have submitted. You will be introduced to your coach and also have a chance to network with your fellow participants in advance of the summer camp.

Looking forward to meeting you soon here in Germany!

Stay tuned and stay healthy 😊

Mit freundlichen Grüßen / Best Regards

Uli

Dr. Ulrich A.K. Betz

Vice President Innovation Merck

Chairman of the Board Future Insight e.V. (VR-84647)

Member of the German Council of Science and Humanities (Wissenschaftsrat)

Member of the Board German Chemical Society (GDCh)

Linked-in: <http://www.linkedin.com/in/ulrichbetz>

Twitter: @ulrichbetz <https://twitter.com/UlrichBetz>



Merck KGaA | [Frankfurter Str. 250](#) | Postcode A016/901 | 64293 Darmstadt | Germany

Phone: +49 6151 72 8175 | Fax: +49 6151 72 91 8175

E-mail: ulrich.betz@merckgroup.com | www.merckgroup.com

E-mail: ulrich.betz@future-insight.org | www.curiousfutureinsight.org

Mandatory information can be found at: <http://www.merckgroup.com/mandatories>

Pflichtangaben finden Sie unter: <http://www.merckgroup.com/mandatories>

The banner features the text "United by Science for a Better Tomorrow" above the "CURIOUS 2024 FUTURE INSIGHT CONFERENCE" logo. To the right, it states "July 10-11, 2024 Mainz, Germany on-site and online" with the website "curiousfutureinsight.org". Below this, it lists "Platinum Sponsors:" followed by the Merck logo and logos for the Rheinland-Pfalz Ministry of Science and Health, the Landeshauptstadt Mainz, and the Biotechnologie Life Sciences RLP.

<http://curiousfutureinsight.org>

<http://researchgrants.merckgroup.com>

<http://researchchallenges.merckgroup.com>

<https://www.springer.com/gp/book/9783030160609>

<http://innovationcup.merckgroup.com>

<http://make-science-not-war.org>

Bioengineering Department Award

Rocío Sanchez <rocio_s@berkeley.edu>
To: Gracehu <gracehu@berkeley.edu>

Tue, May 16, 2023 at 4:37 PM

Dear Grace Hu,

Congratulations! The UC Berkeley Bioengineering Department Awards Committee has met and you have been selected as a Departmental Scholar!

As part of this recognition, you will receive a \$2,000 award. This award will be disbursed approximately June 1, 2023.

You will be invited to speak at the Bioengineering Retreat this upcoming October 19-21, 2023. This action is designed to accentuate the honor. Please save the date.

I wish you continued success,

Best wishes,
Rocío Sanchez
on behalf of the Bioengineering Awards Committee

Hearts to Humanity Research Grant and Award 2023

Maria L Hjelm <mhjelm@berkeley.edu>

Fri, Jul 21, 2023 at 4:49 PM

To: Grace Hu <gracehu@berkeley.edu>

Cc: "Grace X. Gu" <ggu@berkeley.edu>, Megan Hobbs Tomasino <mhobbs@berkeley.edu>, Rachel Schafer <rschafer@berkeley.edu>

Ms Grace Hu

The Department of Bioengineering

College of Engineering

Dear Grace,

I am writing to share with you the good news that you have been selected to receive a 2023 Hearts to Humanity Eternal ([H2H8](#)) research grant award.

Each graduate student receives an award in the amount of \$10,000, and that amount is distributed as follows: \$5,000 will be paid directly to you from your home department as a stipend. The remaining \$5,000 is allocated to your sponsoring PI's budget (Professor Grace Gu). The award (\$5,000) is only for the benefit of the research grant recipient. The sponsoring faculty member's award (\$5,000) is to be used to support the work of your research. The funds will be sent to you and to the department in mid-late August.

We're very excited about your award and the opportunity to share in H2H8's vision and mission for supporting student research. We hope that you are able to pursue your science goals and that you take the time to benefit from the cohort of H2H8 student grantees, both undergraduate and graduate students, as they will expose you to many areas of research at the Berkeley campus. The H2H8 Association will follow up with you and welcome you to the H2H8 Pioneer Club. They have planned some great activities for the coming academic year.

Please contact me or Rachel Schafer with any questions. We are happy to be a resource for you and can be reached at: mhjelm@berkeley.edu or rschafer@berkeley.edu.

If you have questions about the payment of your award, please contact your PI's Research Administrator or Megan Hobbs at mhobbs@berkeley.edu.

We wish you a rewarding and exciting summer.

Sincerely,

Maria Hjelm

P.S. If you want to thank the folks at H2H8, please feel free to email Bill Chu at bchu@h2h8.com!

--

Maria Hjelm
Assistant Dean of Development,
Mathematical & Physical Sciences
UC Berkeley | College of Letters & Science
101 Durant Hall, MC 2930
Berkeley, CA 94720-2930
925.457.1500 cell
mhjelm@berkeley.edu

Watch this [video about basic science](#) research in
the Division of Mathematical & Physical Sciences.



Bioengineering Department Award

Rocío Sanchez <rocio_s@berkeley.edu>
To: Gracehu <gracehu@berkeley.edu>

Thu, May 30, 2024 at 2:33 PM

Dear Grace Hu,

Congratulations! The UC Berkeley Bioengineering Department Awards Committee has met and you have been selected as a Departmental Scholar!

As part of this recognition, you will receive a \$2,500 award. This award will be disbursed approximately June 5, 2024.

You will be invited to speak at the Bioengineering Retreat this upcoming October 17-19, 2024. This action is designed to accentuate the honor. Please save the date.

I wish you continued success,

Best wishes,
Rocío Sanchez
on behalf of the Bioengineering Awards Committee

--

Rocío Sanchez M.A. (She/her/ella)
Graduate Program Advisor
UCB-UCSF PhD Program in Bioengineering
306D Stanley Hall
University of California
Berkeley, CA 94720-1762
[COVID-19 Information for Graduate Students](#)
[Berkeley Basic Needs](#) | [Emergency Loans](#) | [UCB Food Pantry](#)

2022-2023 Joint Berkeley - UCSF Bioengineering Service and DEIB Award

From UCSF BioE Grad Program Manager <victoriaross@berkeley.edu>

Date Tue 5/16/2023 11:39 AM

To Hu, Grace <Grace.Hu@ucsf.edu>

This Message Is From an External Sender

This message came from outside your organization.



Grace Hu,
Berkeley - UCSF Bioengineering PhD Program

RE: 2022-2023 Joint Berkeley - UCSF Bioengineering Service and DEIB Award

Dear Grace ,

It is my pleasure to inform you that the UC Berkeley – UCSF Bioengineering Graduate Program selected you to receive the **2022-2023 UC Berkeley - UCSF Bioengineering Service and DEIB Award** - Congratulations! This award was established in response to a call from our students in Summer of 2020 for formal recognition of students who go above and beyond to improve the climate of the program for current and future students through service and contributions to diversity, equity, inclusion, and belonging (DEIB). You were selected by a cross-campus committee from a large number of very impressive nominations. The entire program can be proud of our students' contributions, which frequently impact a much broader community than our own program.

The award will provide you with a direct stipend payment of **\$1,500.00**, above and beyond the annual BioE stipend amount for the 2021-2022 academic year. This payment will be processed for an approximate payout date of June 1, 2023 and will be administered by UCSF Admin - Stipend Desk.

Congratulations, on behalf of the entire program, we thank you for your service to the program and contributions to DEIB!

Sincerely,

Bioengineering Service and DEIB Awards Committee:

Chris Anderson, Professor and BioE DEIB Faculty Adviser
Janine Lupo, Professor and BioE DEI Adviser
Meltem Erol, COE Director Graduate Student Services & Outreach
Victoria Starrett, UCSF Program Manager
Rocío Sanchez, UCB Graduate Program Adviser

2022 STEM*FYI Grant Application - Congratulations!

Stem-fyi Departmental <stem-fyi@berkeley.edu>

Tue, May 10, 2022 at 6:12 PM

Cc: Sarah Acosta MEd <s_acosta@berkeley.edu>, Denzil Streete <denzil@berkeley.edu>

Bcc: gracehu@berkeley.edu

Congratulations!

On behalf of [STEM*FYI](#), a program within the [Office for Graduate Diversity](#), and with generous support from the [PPG Foundation](#), I am pleased to inform you that your STEM*FYI grant application has been accepted!

We anticipate payments will be disbursed at the end of the semester, but there be may delays due to the large volume of requests that typically occur at this time of year.

As part of receiving this award, please utilize social media to highlight your award and share your experience as a result of the award. You can explain what this award means to you, how it helps you, how it makes things just a bit easier, whatever comes to mind! We really want you to show off your success and help us, as an organization, expand our reach and impact.

If you don't have or use social media, that's okay. Instead, please just email me a short reflection about what this award means for you along with a headshot. We also encourage all recipients to include this award on your CV.

You can see examples of posts/reflections in the slide show at the bottom of our [Grants](#) webpage.

Please email your posts (via screenshot) directly to me, Ali, the graduate student coordinator for STEM*FYI. In your post, please mention STEM*FYI, the Office for Graduate Diversity, and the PPG Foundation. If using Twitter, feel free to tag [@STEMFYI](#), [@grad_diversity](#) and [@PPG](#). You can submit a post once you've utilized the award (e.g., purchased technology, attended a conference, completed a professional development course, etc.).

Please email me if you have any questions. If you need a reminder on your accepted grant proposal, I can send that to you as well. Thank you for engaging with STEM*FYI and we hope you continue to engage with us on our mission to support graduate STEM scholars. Once again, congratulations!

All the best, Ali.

--

*STEM*FYI (First-Year Initiative)*
Office for Graduate Diversity
University of California, Berkeley



December 18, 2020

Dear Grace Hu,

We are pleased to inform you that you have been recommended as a semi-finalist by the National Screening Committee (NSC) of the Institute of International Education (IIE) for the 2021-22 Fulbright U.S. Student Program. Your application has been forwarded to the supervising agency abroad for the next stage of the review process. In addition, your application will be forwarded to the program sponsor, the Bureau of Educational and Cultural Affairs (ECA) of the United States Department of State, for transmittal to the presidentially-appointed Fulbright Foreign Scholarship Board (FFSB). The FFSB makes final decisions on Fulbright awards.

This letter is not notification of a grant offer since the number of semi-finalist candidates exceeds the number of awards available. The final award notification timeline varies by country and may be released as early as March and as late as June.

Please visit the [Resources for Semi-Finalists](#) webpage for details on next steps at this stage of the competition and information regarding actions should you be awarded a grant. As a Semi-Finalist, you must review the award description and comply with any potential required actions outlined there or in future emails. **NOTE: You must check all email accounts listed in your application as supervising agencies abroad may contact any account provided.**

Pre-Departure Orientation (PDO), sponsored by the Bureau of Educational and Cultural Affairs of the U.S. Department of State, will be held virtually in June or July. Attendance at the PDO for your host country's world region is mandatory, so plan ahead. The countries included in the PDOs, dates and locations will be posted on the Resources webpage as soon as information is available. **Note: Not all countries participate in PDOs.**

Grant award offers are contingent upon: (a) approval by the FFSB; and (b) concurrence by the supervising agency abroad. You will be emailed once a final status decision is released on the Application Status page of the application portal. Finalists will see a congratulatory notice from the FFSB within the portal. Alternate and Non-Select candidates will see a notice from IIE regarding their final status.

If offered an award, final approval of a grant is contingent upon: (a) completion of the bachelor's degree for graduating seniors; (b) receipt by IIE of one transcript from your current academic institution (if enrolled) and one transcript for all other institutions **from which you received a Bachelor's or Master's or doctoral degree** (details for submission provided if offered a grant); (c) medical clearance (details provided if offered a grant); (d) research clearance, if required; (e) security factors in the country of your application; (f) availability of funds; and (g) participation in a Pre-Departure Orientation, when required.

National Geographic Storytelling Fellowship –If you applied to this enhancement award, your application will now be considered by a separate review committee, in addition to the supervising agency abroad. Please note that if you are not selected to receive the Fulbright grant, your application will no longer be considered for the National Geographic Storytelling Fellowship.

Congratulations on your success in the preliminary stages of the competition.

Sincerely,

Dan Kramer
Director, Fulbright U.S. Student Program
Institute of International Education

From: _EDA-REP Washington Science <washington.science@eda.admin.ch>
Sent: Thursday, February 11, 2021 1:36 PM
To: Grace Hu <gracehu@stanford.edu>
Subject: Decision: ThinkSwiss Research Scholarship 2021

Dear Grace,

Congratulations! We are pleased to announce that you have been awarded a ThinkSwiss Research Scholarship 2021!

We received many great applications, and yours stood out as one of the best.

Please complete the following formalities by **March 15, 2021**:

- **Confirm that you accept the scholarship**
- Indicate the precise time frame of your research stay in Switzerland (official start and end date with your research institution)
- Provide a personal e-mail address (in case you applied via your university account) so we can add you to our alumni list and keep you updated on future alumni events
- Ensure that your current passport is valid for at least six months after your stay in Switzerland would end
- We will announce your name, your home university and the name of your study program on our [ThinkSwiss website](#)
- Connect to the ThinkSwiss awardee [Facebook group](#)
- If you are interested in connecting with other 2021 ThinkSwiss awardees, please indicate the number you use on WhatsApp or email address and we will share it with those who expressed the same wish.

Upon receipt of your confirmation we will inform your future host institution and professor about the ThinkSwiss support of your research project.

Some preliminary information about the visa process: Please note that the Science Office at the Embassy of Switzerland in the United States cannot assist you in the assessment on whether you will need a visa or not. Please contact the Swiss Consulate in your area or the administrative office in charge at your future host institution for questions related to visa (a good starting point is the administration of the host professor).

If you have any questions or concerns, please do not hesitate to contact our office. We are excited to support your research stay and wish you good luck with your preparations.

More information about Switzerland and your stay will follow at a later point.

All the best,
Jan

PS: Please note that I will be leaving my position by the end of next week. My successor, Carmen, will be happy to assist you from March onwards. Please address any further inquiries to: Washington.science@eda.admin.ch

Jan Keim
Academic Associate
Science Office

Embassy of Switzerland in the United States of America
[2201 Wisconsin Ave. N.W., #300, Washington D.C. 20007-4105, USA](#)
Phone (US): +1 (202) 745 7900 (Ext: 673102)
Phone (CH): +41 (0)58 467 31 02
jan.keim@eda.admin.ch



DeepTrash

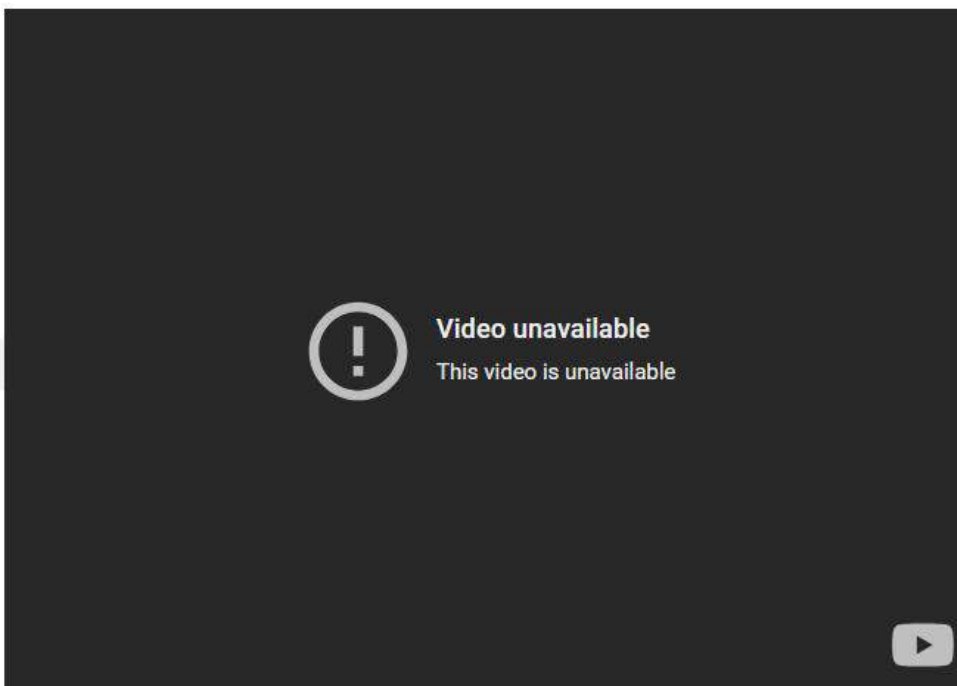
Reinventing the trash can. We use machine learning to filter out disposed items automatically into the proper bins!

Like 6

Comment 1

STORY

UPDATES



SUBMITTED TO



MakeHarvard 2019
WINNER Best Overall (1st, 2nd, 3rd prizes)

CREATED BY

Worked mainly on hardware



Bill Chen +
I write poems and code...
CS@Columbia

I worked on the electronics and Arduino!



Syed Raziq Mohideen +
ECE Super Senior at Carnegie Mellon



Grace Hu +
Nanobiotech girl studying new materials and flying high-altitude balloons at Stanford!



Private user +

Inspiration

Hey you! Do you ever walk down the street, see potato chip bags littered on the floor, water bottles scrunched up every which way? Sure, there might be trash cans around and maybe you'll find one of those rare environmental enthusiasts somewhere, but for a large majority of society, sometimes it's just too much work. Plastic? Recyclables? Metals? Is this biodegradable or compost or can I just toss it into trash and it'll magically disappear into an abyss where discarded things go? Yup, paying attention and sorting out trash can take quite the brain power, which is why we bring to you today...DeepTrash! Because at MakeHarvard we believe in the motto of *Veritrash*, so you can throw anything into our DeepTrash bin, we'll determine the truth behind what trash category it is, and we'll automatically filter it for you!

What it does



MULTIFUNCTIONAL NGF-AU-SPIC NANOPARTICLES

GRACE HU

Jericho, NY

Age 18

Multifunctional nanoparticles offer promising personalized treatments for cancer disease detection, drug delivery, tissue repair, and photothermal therapy. Two types of gold-coated superparamagnetic iron oxide nanoparticles (Au-SPIONs) were synthesized: Au-Fe₃O₄ and Au-Fe₂O₃. The ultrasmall Au-Fe₃O₄ nanospheres with increasing diameters (10-30nm) demonstrated potential for selectively destroying tumors, safely delivering drugs, and imaging tissue. Novel nerve growth factor (NGF) conjugated Au-Fe₂O₃ nanoparticles were also utilized with a self-designed magnetic field to stimulate neuronal differentiation and growth for nerve regeneration in the brain. Ultimately, these magnetic and light-responsive NGF-Au-SPIONs are extremely efficient, combining multiple purposes into a single, inexpensive platform for innovative biomedicine.



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4301 Darrow Road
Suite 3200

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THE TOMMY
2017 EDISON INNOVATION AWARD
NATIONAL GALLERY FOR AMERICA'S YOUNG INVENTORS
GRACE HU
Multifunctional NGF-Au-SPIC Nanoparticles



UNITED STATES DEPARTMENT OF EDUCATION

U.S. PRESIDENTIAL SCHOLARS PROGRAM

May 4, 2017

Dear U.S. Presidential Scholar:

On behalf of the U.S. Department of Education and the Commission on Presidential Scholars, please accept our heartfelt congratulations on being named a 2017 U.S. Presidential Scholar! This is one of the highest awards the Nation can bestow upon a graduating high school senior, and we are honored to be associated with you and your fellow members of the Scholars' Class of 2017!

All of the Commissioners enjoyed reading your application materials and are now looking forward to recognizing you for your achievements and your excellence in education, the arts and career and technical education fields. We warmly invite you to be our guest in Washington, D.C., June 18 – June 20, 2017 for the U.S. Presidential Scholars Program's National Recognition Program (NRP) events.

Your selection as a U.S. Presidential Scholar from a group of highly accomplished and qualified semifinalists is based on your scholastic and/or artistic achievement, demonstrated leadership ability, community service, strong character and commitment to high ideals.

The Commissioners look forward to your participation in National Recognition activities, and we hope you will find that the program provides a unique opportunity to spend time with peers from all over the country who share some of the same interests, drive to succeed, and levels of achievement. We are planning exciting activities for your visit including performances, surprises, and of course, the presentation of the U.S. Presidential Scholars' Medallion.

Important, time-sensitive forms and deadlines: Within the next few days, you should receive a separate email invitation from "U.S. Presidential Scholars National Recognition Program" (presidential.scholars@ed.gov). It will provide you with a personalized link that allows you to register online. As part of your registration, there are several forms that you will need to complete and **return to this office by May 18, 2017**. Please immediately read the enclosed documents entitled "National Recognition Events: Important Facts and Instructions for U.S. Presidential Scholars" and "Travel Instructions" to help register and make travel arrangements by the deadlines.

We are very much looking forward to your arrival, and will do everything we can to help your visit with us run smoothly, safely and enjoyably. The permanent team at the U.S. Department of Education consists of **Simone Olson and Caryn Kuzner**. It is our job throughout the year to support the Commission in the identification, selection, and celebration of each class of Scholars, and we take this job very seriously (and feel very fortunate to be able to work with you and your guests!). We are also joined each summer by an excellent group of approximately 24 Advisors, themselves formerly named U.S. Presidential Scholars, whose business it also is to make your visit to Washington the best it can be. We are all honored to welcome you.


After June 5th, you will begin receiving regular emails from your 2017 Executive Advisors, Nina Srivastava and Andy Trattner, and those emails will include their contact information and other helpful details to help you prepare for your visit. Each Scholar will also be assigned to an Advisor group of between 8-10 Scholars, and, closer to National Recognition Program, you'll be contacted by your group's Advisor, who will be happy to field any questions or to work with you on any special needs you may have. Please don't hesitate to call on your staff, Executive Advisors, and Advisor team – we're all here to support you!


As we get closer to National Recognition Program, we will send you important communications, updates, and reminders via email. Please check your email account regularly, and notify us immediately if you have a change in your email address (i.e., you are no longer using the address you provided on your application to the program).

You will receive your 2017 Class of U.S. Presidential Scholars yearbook when you arrive in Washington in June.

If you have questions after reading the enclosed materials, please call the U.S. Presidential Scholars Program office at (202) 401-0961. Congratulations again – it will be an honor to celebrate your accomplishments during our national recognition events. We all look forward to meeting you!

Very best wishes,


Simone M. Olson
Executive Director


Caryn Kuzner
Program Manager

Enclosures

THINK BEYOND



Intel International Science and Engineering Fair 2017

Los Angeles, California May 14 - 19

Certificate of Recognition

Grace Hu

Second Place Award in Materials Science

Multifunctional NGF-Au-SPIO Nanoparticles: Magnetically Directing Neurite Extension and Orientation

Rosalind Hudnell
President and Chair of the Board
Intel Foundation

Maya Ajmera
President and CEO
Society for Science & the Public
Publisher, *Science News*

2016 INTEL INTERNATIONAL SCIENCE AND ENGINEERING FAIR

CERTIFICATE OF RECOGNITION

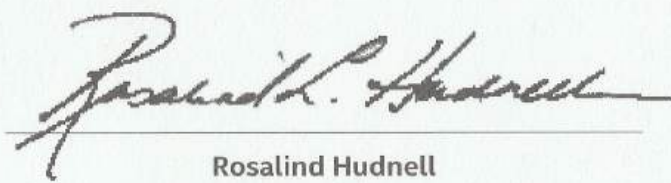
presented to

Grace Hu

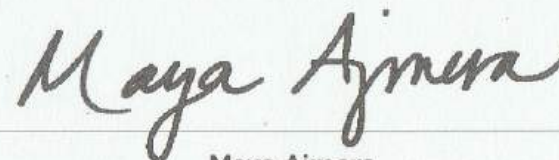
First Place Award in Materials Science

for the project:

Advanced Au-SPIONs: Synthesis and Characterization of Multifunctional Nanoparticles for Personalized Nanomedicine



Rosalind Hudnell
President
Intel Foundation



Maya Ajmera
President and CEO
Society for Science & the Public
Publisher, *Science News*





June 27, 2017

Grace Hu
1 Kathy Drive
Jericho, NY 11753
United States of America

Dear Grace,

Congratulations on the 2nd Place Award that you earned in the Materials Science category at the Intel International Science and Engineering Fair 2017 (Intel ISEF) in Los Angeles, California.

Intel and Society for Science & the Public are pleased to present you with the enclosed certificate in recognition of this achievement. Society for Science & the Public, the non-profit organization that owns and organizes the Intel ISEF, is pleased to welcome you as a member of the Society with a one-year complimentary membership. Benefits of your membership will include a digital subscription to the Society's award-winning magazine, *Science News*, as well as our Society updates.

We are further delighted to notify you that the Ceres Connection, a program of the Massachusetts Institute of Technology's Lincoln Laboratory, will name a minor planet in your honor. The Ceres Connection helps name minor planets discovered by the Lincoln Near Earth Asteroid Research (LINEAR) program. In partnership with Society for Science & the Public, it promotes science education by identifying and honoring the most outstanding students from SSP's competitions. First and second place award winners have been submitted to the International Astronomical Union (IAU) for naming consideration. (This distinction is once-in-a-lifetime for any individual, so the request will not be granted if you have already been recognized through a previous competition.) The process of approving the naming rights is lengthy, so we ask for your patience as this may take up to a year. You may check www.ll.mit.edu/LINEAR/ to see when the listing occurs; you will also be notified when it has been finalized.

Congratulations and best wishes for continued success.

Sincerely,

Maya Ajmera
President & CEO
Society for Science & the Public
Publisher, *Science News*

Encs: Award Certificate
MATS049

Intel International Science and Engineering Fair

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