Panda Express Co-founders Give $30 Million to Caltech for Medical Engineering

STACEY HONG Caltech Media Relations

This article is adapted from a story that was originally published online at caltech.edu.

Andrew and Peggy Cherng saw opportunity to invest in their community and in the future of health care.

For the Cherngs, making a $30 million gift to name and endow the Andrew and Peggy Cherng Department of Medical Engineering at Caltech was a matter of heart and mind. During more than four decades working as business owners and entrepreneurs in Pasadena, they have developed a strong appreciation for the institutions and people who call this city home.

“We always thought of Caltech as a shining star of Pasadena,” says trustee Peggy Cherng, cochair and co-CEO of Panda Restaurant Group, Inc.

The Cherngs have a keen interest in the pioneering work of Caltech’s scientists and engineers, from planetary explorations conducted in partnership with JPL to climate dynamics research using robotic ocean gliders. But the couple elected to focus their personal philanthropy on medical engineering because, as Peggy Cherng explains, “In between the sky and the sea, Caltech is also uniquely positioned to make a difference for humans on earth.”

Caltech’s medical engineers apply multidisciplinary engineering principles in the health sphere to design and fabricate devices and systems for translational medicine—including diagnostics, therapeutics, implants, and non-invasive imaging—that will lead to cheaper, more effective, and more accessible health care.

At graduation from Princeton, Kemeny received the Edward Sampson, Class of 1914, Prize in Environmental Geosciences and the Sigma XI Book Award. Last year he was awarded a 2016 National Defense Science and Engineering Graduate Fellowship.

“The 2017 Fellow class is among the best and brightest we’ve ever seen, and we are proud to welcome them to the Hertz Community,” Robbee Baker Kosak, president of the Fannie and John Hertz Foundation, said in a statement. “Hertz Fellows are developing solutions to issues of worldwide importance, from helping solve global health crises to addressing climate change and energy consumption. We look forward to seeing our new Fellows make similarly outstanding contributions as they pursue their research in the coming years.”

The Hertz Foundation is the legacy of John Hertz, a Hungarian immigrant who became an entrepreneur in the automotive industry. The foundation has been supporting budding scientists and engineers for 60 years.

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Caltech's awardees for 2017 are seniors Alexander Anferov, Danil Lukin, Stephanie Moon, Anjali Premkumar, Gerri Roberts, and Sasha Zemsky; and graduate students Mary Arrastia, Stephanie Brenig, Ivanina Escola, Riley Galton, Phillip Helms, Kari Hernandez, Celeste Labledz, Ethan Pickering, William Poole, Alexander Sorum, Alvita Tran, Krystal Vasquez, Zachary Wu, and Lealia Xiong. The graduate student awardees join 135 current NSF fellows enrolled at Caltech.

Caltech alumni in the 2017 class of Graduate Fellows are: Oliver Chen, Linda Chio, Anne Davis, Connie Hisueh, Anna Liu, Alena Patel, Madeleine Youngs, and Leonardo Zornberg. In total this year, the NSF selected 2,000 GRFP recipients from a pool of more than 13,000 applicants. Caltech’s Fellows Advising and Study Abroad office works with current students and recent Caltech graduates interested in applying for an NSF fellowship, sponsoring a panel discussion of previous winners each fall and offering one-on-one advising.

Caltech Students and Alumni Receive 2017 NSF Graduate Research Fellowships

LORI DAJOSE Caltech Media Relations

This article is adapted from a story that was originally published online at caltech.edu.

Twenty current students and eight alumni have been selected to receive funding for graduate studies.

This year, the National Science Foundation (NSF) has selected 20 current Caltech students and eight alumni to receive its Graduate Research Fellowships. The awards support three years of graduate study within a five-year fellowship period in research-based master’s or doctoral programs in science or engineering.

The NSF notes that the Graduate Research Fellowship Program (GRFP) “is a critical program in NSF’s overall strategy to develop the globally-engaged workforce necessary to ensure the nation’s leadership in advancing science and engineering research and innovation.” The selection criteria used to identify NSF fellows reflect the potential of the applicant to advance knowledge and benefit society.
Upcoming Events
Kids Reading to Succeed
Saturday | April 1st | 8:30 - 11:00 AM  |
500 E. Villa Street & Jackson Elementary
We are the Kids Reading to Succeed (KRS) works with the youth of Pasadena to encourage a love of reading and to improve literacy skills. The first hour (9:00 to 10:00) focuses on literacy, guided and targeted reading, in which a volunteer is paired with a student who is encouraged to read aloud from a book chosen from the KRS library. Volunteers consistently ask questions of the students to gauge reading comprehension. The second hour of our program (10:00 to 11:00) is the interactive and fun presentation based on the monthly theme. For more info and to RSVP go to http://www.kidsreadingtosucceed.org/p/get-involved.html. Eligible for Federal Work Study. Contact Kayva Sreedhar at karedha@caltech.edu for questions.

Lunch will be served.
returns is Tuesday, April 18.
Location TBD

Look at https://www.parks.ca.gov/?page_id=128). For more information about the tour and the Tyson House 505 South Wilson (Bldg. 10). All members of the Caltech community are invited to participate in one of a variety of community service projects at the Boys and Girls Club, Montezuma Canyon, Habitat for Humanity, LA Food Bank, Hillside Home for Children, and many more sites. You can choose to work with kids or animals, do construction or outdoor projects or visit with the elderly. Projects are led by other students and will be 312 to 6 hours - including travel, depending on the project. Meals, transportation, and t-shirts are provided. For more details on the projects and to sign up, please visit http://www.caltech.org/programs/services/areas/mad/ and rank your preferences on the web form. Regular registrations are requested by Tuesday, April 4th but we will continue to add volunteers in as space allows.

The Caltech Y Social Activism Speaker Series Presents:
Bridge the Divide: Scientists talking to the Media
A conversation with Ron Lin, Journalist at the LA Times
Tuesday | April 11th | 12:00 Noon to 1:00pm | Location to be announced | Lunch is provided, spaces are limited
RSVP Required: https://goo.gl/forms/eZ0zaxRFLhqueezeG35

The Caltech Y Social Activism Speaker Series is hosting the first event in its Bridging the Divide series with Ron Lin, metro reporter at the LA Times. He will talk and take questions about how scientists can communicate with reporters, what journalists look for and the need to make a compelling article and anything else on your mind.

The Studenski Memorial Award
Proposals are due Friday, April 21st no later than noon
Are you wondering about the next step in your life? Have you reached a crossroad in life, would you gain clarity? If you answered yes to any of these questions, then the Studenski Award might be for you.

The Studenski Memorial Award is a grant up to $4500 to cover expenses for global travel - as well as one day, multi-day, and even multi-week experiences - are all eligible. The Caltech Y ACT Award, made possible with generous support of the Caltech Employees Federal Credit Union, offers students an opportunity to pursue an interest in local, national, or world issues; service or advocacy.

Visit www.caltechy.org/programs_services/areas/studenski/index.php for applications and more information, and/or stop by the Caltech Y or contact us to learn more about this exciting opportunity!

Hathaway Sycamore
Every Wednesday | 6:00 - 8:00 PM  |
Highland Park
Volunteer at Hathaway Sycamores, a group that supports local underprivileged but motivated high school students. There are a variety of ages and subjects being tutored. The service trip includes about an hour of travel time and 1.5 hours of tutoring. Transportation is included.

For more info and to RSVP email Sherwood Richers at srichers@tapir.caltech.edu. Eligible for Federal Work Study.

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Your world awaits... will you set it?
The Caltech Y Advocating Change Together (ACT) Award

Got an issue or cause that warrants attention? Explore the issue - by attending a conference, training, or workshop, or choosing to immerse yourself with a mentor or organization that is addressing your issue - then plan some programs to raise awareness on campus. Awarders can receive up to $4500 to cover expenses for their educational experience, including registration and program fees, travel, lodging, food, and incidentals.

Tackle hunger or homelessness, immigration policy, poverty, education policy, science and public relations, science policy or whatever you choose - it's your issue – then plan some programs to explore! Would a trip, an opportunity to volunteer with an organization, or a chance to try a new skill or interest this summer help you gain clarity? If you answered yes to any of these questions, then the Studenski Award might be for you.

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Beyond the Y
Caltech Photography Club Workshop Sunday | April 9th | 2:00 - 4:00 pm
Want to sharpen your photography skills? Sign up for a FREE Photography Workshop hosted by Bob Pac (Caltech’s main photographer) and the Caltech Photography Club on Sunday, April 9th from 2-4pm. We will cover a wide range of useful skills, listed below.

Photo fundamentals:
Composition
Camera basics
Lighting: Natural & Flash

We will walk about the campus focusing on:
• Urban Nature
• Structures
• Best Backgrounds for portraits
• Basic Lighting & Basic flash lighting

Back to classroom:
• Reviewing the results
• Mystery prizes!

Space in the workshop is limited to 15 people, so sign-ups are on a first come, first serve basis. The Photography Club has a limited collection of equipment available to borrow for the workshop, but those with their own equipment will be given first priority for workshop space.

To sign up, please visit: https://goo.gl/forms/L1m0aAVcJsdhVR2
Debunking Senior Gift Myths

Slava Butkovich and Ellen Yu Contributing Writers

In this first part of a series of articles about Senior Gift, Slava Butkovich (Dubuq’ 17), co-chairs of the Senior Gift Committee, address some common misconceptions about the Caltech tradition.

1. Senior Gift money pays for something I didn’t want and Caltech doesn’t need.

We’re trying something new this year. Instead of raising money for a tangible gift like a bench, charging stations, or some new trees, we’re asking students to give back to any area of their choosing. You can give to your House, the Student Life (AKA Tom Mannion’s) discretionary fund, the Art House, athletic clubs, undergraduate scholarships—the world is your oyster.

2. Oh, but you want me to give like $100 right? I’m a broke college student!

Nope. Gifts of any amount are appreciated. Most seniors give $50, $75, or $100 in honor of the Senior Gift. Some give $5 or $10, a few give $50 or $100, and the minimum amount is just $1.

3. $20 won’t benefit anything.

Senior Gift is more about promoting the act of giving than it is about raising a huge sum. The largest single gift this year was for an unrestricted gift (which goes to Caltech’s highest priorities, like scholarships and financial aid) or restrict your gift to whichever area of campus matters most to you. Many of the opportunities you’ve had—from that SURF to JPL to your House camping trips at Joshua Tree—were made possible by alumni support. That support helps make sure that Caltech will continue to grow and improve, and that the things you loved about your experience will continue to exist for future generations.

As an extra incentive to give, Provost Bruce, Dean Bok, and Dean Shoemaker have again generously offered to match every senior gift up to $30 per gift and up to $2,000 total.

4. All of that said, Senior Gift still sounds like extortion.

Why should I give when my parents have already put me in a lifetime of debt to send me to school?

Tuition actually doesn’t cover the full cost to educate each of us, and 66% of undergrads are receiving financial aid. Alumni support, more so than tuition, is what will help make Caltech more accessible and affordable.

Have more questions or concerns about Senior Gift? Feel free to e-mail Kathleen LaMunna (klamunna@caltech.edu) in the Caltech Fund office. And be on the lookout for information about upcoming Senior Gift events!

The neighborhood surrounding the park is as variegated as Echo Park itself. On a hill to the west, past some of the most gorgeous, grandly flaggged suaccents in LA, there is a walkway that cannot decide whether it wants to be a pedestrian passage or a sewage canal. Beside a sidewalk not more than 18 inches across, a ditch leads to an open manhole: Iresistitupertotilimbin. Further on, after trudging through broken beer bottles, extinguished cigarettes, and a discarded condom wrapper or two, I was graced with unimpeded views of the LA skyline.

The park is bordered to the north by Aimee McPherson’s Angels Temple, the birthplace in the 20’s of the modern evangelical movement. (While perceived today as a product of Middle America megachurches, evangelical Christianity’s origins are as SoCal as citrus trees and surf.) To the east there is a more modest Episcopal church with a garish color scheme so ugly it could only have been chosen in the ‘80s, and which has an actual bell tower to help keep track of the hours since the ancient Mexican man on the bench next to you last blinked. (You have to wonder what’s going on with these bench-sitters. It is more serene, or have they stumbled upon a naseent meditation practice? Or maybe this stillness of mind is what happens if you grow up in a time and place removed from American-style capitalism’s suffocating anxiety to achieve.)

The northern end of the lake bears a sign marking the location since 1972 of the annual Lotus Festival: “The flowers of the Asian Lotus are sacred to many people around the world, serving as symbols of rebirth, purity and life.” Looking around, though, I can’t see any lotuses, and further research confirms that they died in 2008.

The lake has pedal boats for a romantic outing with your date, or an actual boat for those that kiss surrounded by ducks and herons rather than the homeless encampments on shore. Echo Park’s beauty is a lot like the beauty of those pictures of plant life sprouting in the concrete of post-meltdown Chernobyl. Echo Park should not be beautiful:

Traffic noise saturates the air even on the far end of the lake, and if you turn the boat tender far enough you can see the litter that has to love the froth of life bubbling up through the asphalt here.

WRITE FOR THE CALTECH TECII!

WE ACCEPT REVIEWS, OPINION PIECES, RESEARCH, NEWS STORIES, COMICS, AND MORE!

WE PAY FOR SUBMISSIONS, SO JOIN THE STAFF TODAY!
Join the Meditation Mob!

Tuesdays, 12:00 - 12:50

Want to learn more about mindfulness meditation? It’s a great way to improve your attention and to become more grounded in the present moment.

There’s no religious component. We use secular, evidence-based meditation techniques.

We meet in the small room just off the lounge in Winnett. All students are welcome, from total beginners to more experienced meditators.

Mailing list and MP3 archive: counseling.caltech.edu/students/meditation

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Baseball wins first SCIAC game since 1988

PASADENA (Mar. 31, 2017) – Caltech’s SCIAC baseball winless streak is no more. Late-game heroics from freshman Alex Corado and a sound pitching performance from sophomore Jonah Krop earned the Beavers their first SCIAC victory since 1988 in a 4-3 walk-off win over Pomona-Pitzer Colleges, breaking a 29-year winless streak. Corado’s walk-off single to score senior Kai Kirk from second base put an end to the longest SCIAC winless streak in Caltech athletics and featured a similar feeling of elation as to when the men’s basketball team ended their infamous streak back in 2011.

Caltech would not have been in a position to win the game had it not been for Krop’s excellent day on the mound. After a rough outing against University of Redlands the week before, Krop got back to basics against the Sagehens and earned the complete-game win. He only struck out one batter, but forced his SCIAC foes into groundballs while managing to limit the free passes. He walked just three and recovered from a dramatic fifth inning that saw the Sagehens plate three on a go-ahead home run after going down 2-0 in the first inning.

But the day surely belongs to Corado, who led the team with two hits and, with one swing of the bat, put an end to 29 years of misery. The freshman entered the game hitting just .129 on the year but advanced stats would indicate that his low average was driven by bad luck on balls in play. His second hit of the day could not have come at a better time. Trailing 3-2 with two outs and the Beavers’ backs against the wall, junior David Watson kept Caltech alive with a single up the middle. Head Coach Matthew Mark then opted to pinch run Schaeffer Reed for Watson, which proved to be an excellent decision. Kirk came to the plate and cranked a stand-up double into left center field, scoring the fast and lanky Reed all the way from first base. With Kirk in scoring position and Corado at the plate, the Sagehens opted for a pitching change, inserting Casey Herschfield into a high-leverage situation. Facing a full-count with nothing to lose, Corado drove the ball into left field and brought Kirk home from second.

Junior Chris McCarren, senior Harrison Jacobs and freshman Cortland Perry also earned hits for the Beavers. McCarren added his 10th steal of the season and is yet to be caught on the basepaths.
2017 CALTECH UNDERGRADUATE WRITING PRIZES

Each year the division of Humanities and Social Sciences awards a number of prizes for undergraduate writing. Consider submitting your work to be recognized and rewarded for your work as a writer.

Submit your writing this year for these prizes:

**MARY A. EARL MCKINNEY PRIZE IN LITERATURE**
Awarded to the best original poetry and fiction. Submit up to three poems. Fiction should not exceed 12,000 words – one submission.
Prize amount: $500.00/each category

**GORDON MCCLURE MEMORIAL COMMUNICATIONS PRIZE**
Awarded to the best academic writing in three categories: English, History and Philosophy.
Prize amount: $500.00/each category

**HALLETT SMITH PRIZE**
Awarded to an outstanding essay related to the work of Shakespeare.
Prize amount: $500.00

Copies of last year’s prizewinning writing are stored in CaltechTHESIS, and they can be viewed by following links from this writing center webpage: http://writing.caltech.edu/community/prizes

Submission Guidelines:

Deadline: April 4th, 2017

Only currently enrolled full-time students may submit. Entries should be double-spaced PDFs. Winners will be announced in June, and winners’ names will be in the commencement program. Winning writing will be archived using CODA through the Caltech Library. Email entries to Sini Elvington at elvington@caltech.edu, noting the prize to which you are applying in the email subject and filename.
Announcements

April 3, 2017

The California Tech

ASCIT Minutes

Meetings are every week in SAC 13

ASCIT Board of Directors Meeting

Minutes for 9 March 2017. Taken by Alice Zhai.

Officers Present: Andrew Montequin, Tim Liu, Bobby Sanchez, Sakthi Vetrivel, Robin Brown, Alice Zhai

Guests: Luiza Coelho

Call to Order: 12:20pm

President's Report (Andrew):

- Next town hall meeting is on Monday, March 13
- Met with Joe Shepherd last Friday

Officer's Reports:

V.P. of Academic Affairs (ARC Chair: Tim):

- ARC creating an updated mailing list
- TOFR deadlines are moved forward
- Will send out survey about academic advising

V.P. of Non-Academic Affairs (IHC Chair: Bobby):

- IHC election is on Monday, March 13
- IHC met with Dean Gilmartin yesterday (March 8)

Director of Operations (Sakthi):

- One of the ASCIT lights broke at Ruddock Interhouse
- Caltech Republicans club resubmitted their club application

Treasurer (Kalyn):

- Women in PMA pitched for funding for their end of term dinner

Social Director (Robin):

- Huntington Garden Museum Day is on Saturday, March 11
- Working on ASCIT formal - tickets will be on sale during finals week

Secretary (Alice):

- Nothing to report

If anyone has any questions or concerns about a section of the minutes please email the appropriate officer. We are happy to answer any questions.

Meeting Adjourned: 12:50pm

Crossword

ACROSS

1. Elevate
5. Significance of a story or event
10. Military vehicle
14. Not in action
15. Pleasant odor
16. Woodwind instrument
17. Close
18. Corvine bird
19. Loose flowing garment
20. Actions affecting destiny in the next incarnation (Hinduism and Buddhism)
21. Historic period
22. Give temporarily
23. Mush
24. Sledge
26. Erase
28. Molars
31. Flop
32. Moderate or restrain
33. Parts of a chain
35. Deprive of status or authority
36. Unit of potential
37. Sudden burst of flame
38. Any high mountain
39. Large body of water
40. Square root of 100
41. Country, initially
42. Fiend
43. Transmit
47. Undercover agent
48. Transmit
49. In favor of
51. Taut or rigid
53. Not present
55. Large artery
56. Deprive of status or authority
57. Ilicit
58. Reddish brown
60. Immense
62. Storage tower
63. Panache
65. Region
66. Nimble
67. Oculus
68. A strong line
69. Male red deer
70. Pass along
71. Similar
72. Accept something given
73. Monotone
74. Metallic element

DOWN

1. 1. Parts of a chain
2. Paragon
3. Sudden burst of flame
4. Colony insect
5. Spoil
6. Using speech rather than writing
7. Wander
8. Make better
9. Came ashore
10. Underwater projectile
11. Approximately
12. Baronial
13. Main castle tower
21. Historic period
25. Aromatic plant used in cookery
26. Old salt
28. Any high mountain
30. Serf (Middle Ages)
32. Public transport
33. Residue of burning
34. Old salt
36. Rasp
38. Large body of water
42. Fiend
43. Transmit
45. Outshine
48. Indefinite number but not many
50. Ahead
52. Transgression
53. Large artery
54. Desolate
55. Large feline
57. Ilicit
58. Reddish brown
59. Vogue
60. Immense
61. Judicious
62. Panache
64. Metallic element
65. Region
66. Nimble
67. Oculus
68. A strong line
69. Male red deer
70. Pass along
71. Similar
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73. Monotone
74. Metallic element

https://puzzlechoice.com
Answers to current crossword (pg 7)

http://puzzlechoice.com