

Innovation Insider

THE KECK GRADUATE INSTITUTE MAGAZINE
FALL 2022 | ANNUAL REPORT EDITION

25

1997-2022

YEARS

Features

25th 1997-2022 ANNIVERSARY

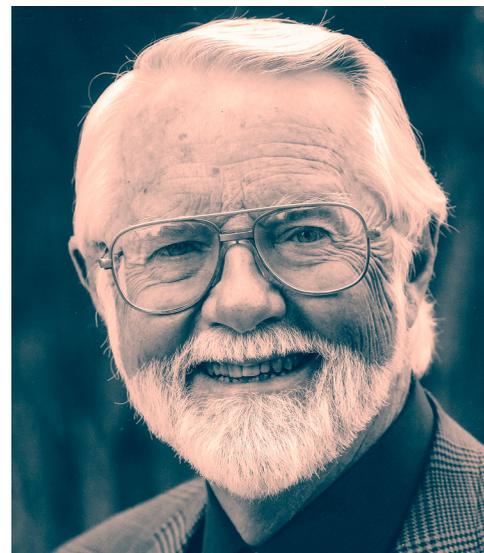
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KGI students are at the core of our Institute. Whether conducting research, winning awards, or finding ways to impact patient health, KGI's students are change makers.

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BUZZFEED

Stay in the buzz with KGI! Follow us on social media to find out about the latest stories, events, and happenings on campus. Use #KeckGrad to join the conversation.



Fb kgi.edu/facebook

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Li kgi.edu/linkedin

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Tt kgi.edu/tiktok

Tw kgi.edu/twitter

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Innovation Insider

THE KECK GRADUATE INSTITUTE MAGAZINE

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A MESSAGE FROM THE PRESIDENT



Welcome to the inaugural issue of Innovation Insider, our new magazine featuring stories, events, and resources for the entire KGI community.

This year, KGI turned 25! As we prepare for a big celebration in October, it has been inspiring to look back on our growth from an institution that began in 2000 with one program and 20 students to 17 programs and a student body of more than 650 today. Along the way, we have remained true to our original mission—assuring that the application of the scientific advances of the 21st century benefit

society. Over these past 25 years, KGI has prepared more than 2,000 alumni to become leading contributors to healthcare and the life sciences industry. We are proud of their success and impact, and we go forward with the assurance that what we do matters and that there is much yet we will do.

Our year of celebration has seen many challenges and milestones. Uncertain times required us to put our innovation into action as we cycled from on-campus learning to online learning, to a hybrid of the two, and then back again. Getting ready for the inaugural classes in our Master of Science in Physician Assistant Studies and Occupational Therapy Doctorate programs required new infrastructure, hiring new faculty, building new curricula, creating new relationships with numerous healthcare providers, and successful application to the various accrediting bodies. This all required a campus-wide effort and dedication from the entire institution. And we did it! Our programs continued uninterrupted, and our student outcomes and job placements set new records. The success and loyalty of our faculty, staff, and alumni are inspiring!

The amount of work and dedication it took to remain laser-focused on supporting our existing programs and starting new ones was not lost on us. It seemed a little fun was in order. The campus took on the task of nominating and selecting a new KGI mascot. I introduce to you Beaker Bee! You can read all about Beaker on page 20.

No celebration of our past would be complete without recognizing and thanking all who have contributed to our success over these 25 years. Some are no longer with us. Most recently, we mourned the passing of Dr. Arthur Riggs, who was incredibly generous with his support and instrumental in keeping KGI focused on innovation and science.

We look forward to recognizing Art and many other key individuals at the upcoming Founder's Day event on October 7. I hope you will join us! On pages 16-23, learn more about this event and how we've celebrated our silver anniversary.

In this inaugural issue of Innovation Insider, we share stories of these successes and feature our students, faculty, alumni, and campus. Browse through these pages and find what inspires you.

See you in October at Founder's Day!

Dr. Sheldon Schuster, PhD | President

STUDENT STORIES



Allyssa Gomez
MSCM '23

Often, when one door closes, another opens. This was the case for KGI student Allyssa Gomez, MSCM '23, who planned to take the MCAT and apply for medical school when the COVID-19 pandemic started. She then learned about KGI's groundbreaking Master of Science in Community Medicine program, where she is now on the path to changing healthcare in her community.



Steven Wheelock
PharmD '23

Doctor of Pharmacy student Steven Wheelock, PharmD '23, received the Student Leadership Award from the California Society of Health-System Pharmacists (CSHP) last fall. As president of the American Society of Health-System Pharmacists and the Student Society of Health-System Pharmacists, and a representative for the CSHP-Student Section Executive Council, Wheelock organized quiz bowls, collaborated with other California pharmacy school leaders in preparation for the CSHP Seminar, and helped facilitate a Clinical Skills Competition.



Passant Shaker
MSGC '23

Since she was eight years old, student Passant Shaker, MSGC '23, wanted to be a pediatrician. However, during the last year of her undergraduate education, she learned about a medical field she had never considered—genetic counseling. This led her to KGI's Master of Science in Human Genetics and Genetic Counseling program, where she is learning more about precisely how genetic counseling can empower individuals to take charge of their health.



MSGDA Team

A team of students from the Master of Science in Human Genetics and Genomic Data Analytics program was chosen as one of five winners in the California 100 Tech Policy Hackathon in April.

Their presentation, "Implementing a Genetic Ethics Advisory Committee," proposed the creation of a committee to help guide state policy and educate key decision-makers on ethical considerations regarding health practices based on genetics.

The Hackathon, hosted by the California 100 Initiative and the Stanford Institute for Economic Policy Research, was a full-day, in-person event held at Stanford University. The event aimed to foster and support ideas that improve California government agencies and programs using technology.

During the hackathon, participants developed their ideas with the help and mentorship of subject matter experts, technology leaders, and policymakers, culminating in each group's final presentation to a panel of judges.

As winners of the hackathon, the KGI team received a prize of \$1,000 per person and were placed into working groups with experts and policy leaders to develop their idea further.



Leslie Contreras
PPC '22, MS '23

Leslie Contreras, PPC '22, MS '23, understands firsthand the value of hard work and sacrifice. As the daughter of an El Salvadoran immigrant, she was constantly in survival mode growing up. After finishing the Postbaccalaureate Premedical Certificate program, she will get her Master of Science in Applied Life Sciences to fuel her passion for becoming a doctor and helping the community.



Yuu Ohno
MS '22

In her second year of the Master of Science in Applied Life Sciences program, Yuu Ohno, MS '22, secured first authorship for the publication "Full-versus Sub-Regional Quantification of Amyloid-Beta Load on Mouse Brain Sections," which appeared in *JoVE journal*. The methods paper builds upon Ohno's thesis, which examines potential treatments for Alzheimer's Disease.



Karina Quiroz
MSCM '23

Karina Quiroz, MSCM '23, has actively researched health disparities within different communities to make a case for greater health equity. She offered solutions to oral health disparities among Indian/Alaskan Native populations in her presentation, "Addressing Oral Health Disparities in the American Indian/Alaskan Native (AI/AN) Community with Traditional Medicine Wheels," which was presented as part of a roundtable discussion for the American Public Health Association last fall.



MBS Dream Team

Last fall, a team of four second-year students in the Master of Business and Science program—Alexandra Anaele, Christian Torres, Jonathan "Ojo" Ventura, and Alice Wen—received second place in the 2021 Penn Healthcare Case Competition.

The competition challenged 44 teams from 17 universities across the country to solve a healthcare-related case prompt. Each team had to act as a consulting team to develop recommendations for the commercialization and marketing of the proposed drug.

KGI students prepared for the competition by breaking up the case into four parts to utilize their strengths. Ventura designed clinical trials, Anaele focused on marketing pieces, Wen designed the reimbursement and pricing segment, and Torres concentrated on distribution strategies.

In Memoriam: Dr. Arthur D. Riggs

● Written by Lauren Porta

KGI Board of Trustees member Dr. Arthur D. Riggs passed away peacefully on March 23, 2022, surrounded by his family and loved ones.

“Art was a tremendous man, a leader, a scientist, and a friend,” said KGI President Dr. Sheldon Schuster. “We will miss him greatly, and our thoughts are with his family.”

Riggs was a world-renowned diabetes expert who developed the technology that led to the first human synthetic insulin for treating diabetes. His significant scientific discoveries paved the way for developing the monoclonal antibody therapies that are the foundation of modern treatments for cancer, autoimmune diseases, blindness, and other diseases.

Riggs was Director Emeritus of the Beckman Research Institute at City of Hope. He was Chair of the Biology Department from 1982-2001, Director from 2000-2007, and was Chair of the Diabetes Research Department. He was also the Founding Dean of City of Hope’s graduate school.

He received the Juvenile Diabetes Foundation Research Award in 1979 for work leading to the bacterial production of insulin. He collaborated with several colleagues using chemically synthesized DNA to produce the first man-designed and man-made genes—the genes for somatostatin and human insulin. He catalyzed the development of the biotech industry, aided by key, dominant patents held by Genentech.

Riggs was a member of the National Academy of Sciences, elected in 2006. He received his BA



in Chemistry from the University of California, Riverside, in 1960 and his PhD in Biochemistry from the California Institute of Technology

in 1966. His postdoctoral training was at the Salk Institute from 1966 to 1969.

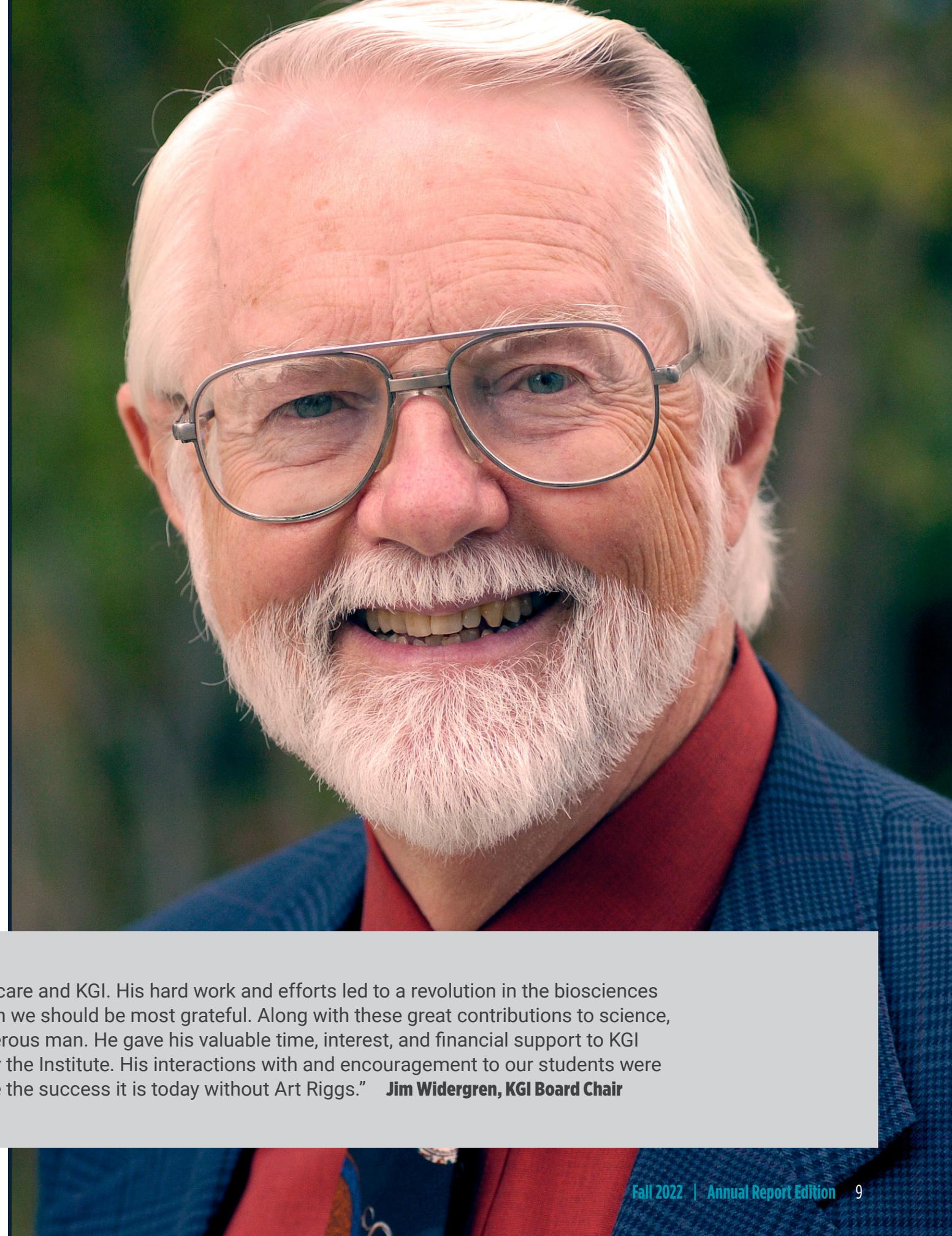
Riggs’ contributions to KGI are enormous. In addition to sitting on the Board of Trustees since 2005 and helping guide the Institute, he gave financially to many of its programs.

From donating to the new School of Pharmacy back in 2012 to gifts to the Henry E. Riggs School of Applied Life Sciences in 2013 and 2014, to the School of Community Medicine in 2018, Riggs was passionate about KGI’s programs and how the Institute is changing the world of life sciences and healthcare education.

Riggs is survived by his wife, children, and grandchildren. ●



Art had an incredible impact on healthcare and KGI. His hard work and efforts led to a revolution in the biosciences from which we all benefit and for which we should be most grateful. Along with these great contributions to science, Art was an incredibly humble and generous man. He gave his valuable time, interest, and financial support to KGI which helped to form a strong base for the Institute. His interactions with and encouragement to our students were inspirational to them. KGI would not be the success it is today without Art Riggs.” **Jim Widergren, KGI Board Chair**



FACULTY RESEARCH



Dr. Talia Puzantian

Dr. Talia Puzantian, in collaboration with KGI alumnus Venie Pham, PharmD '21, published "Pharmacy students' perceptions of the effectiveness of a film-based mental health elective course" in *Currents in Pharmacy Teaching and Learning* last winter. The study analyzes

surveys from 125 KGI students who completed Puzantian's psychiatric pharmacotherapy elective course, *Mental Illness in the Movies: Using Films to Understand Neuropsychiatric Pathology and Pharmacotherapy*.



Dr. Yun Liu

While diversity has gotten much attention recently, less emphasis is placed on inclusion. This issue is explored in KGI Finance Professor Dr. Yun Liu's publication "Director diversity and inclusion: At the table but in the game?", which appeared in *Financial Management* this spring.

The editorial team voted the article one of the best three papers in the Spring 2022 issue, and it will be presented in a special session at the 2022 European FMA conference devoted to honoring the top papers on recent topics.



Dr. Animesh Ray



Dr. Jeniffer Hernandez

KGI Associate Professor of Biopharmaceutical Sciences Dr. Jeniffer Hernandez and Professor Dr. Animesh Ray were selected as 2021 National Institutes of Health (NIH) Director's Transformative Research Award recipients as part of the NIH Common Fund's High-Risk, High-Reward Research program. This fund supports inherently risky and untested projects that can potentially create or overturn fundamental science, technology, and medicine paradigms.

For the project, the team is developing a computer assessment procedure for predicting the structure of antibodies that could effectively neutralize a previously unknown antigen or a novel virus that might emerge in the future. These findings could have a tremendous impact on any emerging pandemic.

In addition to vaccine development, the research project could influence medicine on a broader scale. For example, antibodies could potentially be predicted in a computer to target and neutralize proteins made by cancer cells. Another potential use would be therapies that help patients to manage their allergies and hypersensitivity issues.

This five-year project builds upon research Ray has conducted for the past 13 years on machine learning methods to predict novel protein-protein interactions.

Another goal of the project is to use single-cell DNA sequencing of the antibody genetic repertoire naturally raised against an injected antigen to produce a large amount of data quickly. Subsequent benchmarks will quantitatively evaluate the best-performing computational model to predict a strong binding antibody and then fine-tune that to make a neutralizing antibody which one can quickly test in a laboratory.



Dr. James Sterling

KGI Professor Dr. James Sterling, with an Australian team of scientists, published "The role of the cell surface glycocalyx in drug delivery to and through the endothelium" in *Advanced Drug Delivery Reviews* in May. The paper analyzes key findings on drug delivery methods, focusing on overcoming challenges presented by the blood-tissue barrier.

In October, Associate Professor Dr. Kiana Aran was announced as the winner of the 2021 Nature Research Awards for Inspiring Women in Science in the Scientific Achievement category. The goal of the award was to celebrate the achievements of women in STEM careers around the world.

As the winner, Aran received a prize of \$40,000, an invitation to the awards ceremony in London, and coverage on nature.com. In her budding career, Aran has earned many accolades for her contributions to science and medicine, including the Clinical OMICs 10 under 40 Award, the Athena Pinnacle Award, and the Faculty Early Career Development award from the National Science Foundation.

In February, Aran was selected for a significant grant from the National Institutes of Health. This grant helps develop CRISPR Quality Control standards for therapeutics applications in this groundbreaking area of science, starting with a focus on Sickle Cell Disease. The award covers \$1.63 million dollars in funding over four years.

In June, Aran received a research gift from Agilent Technologies' university relations program to support her research on the topic of "Real-Time Monitoring of Bioproduction Product and Culture Health." The main goal of this project is to develop a scalable detection platform utilizing a graphene-based BPU™ (Biosignal Processing Unit) platform to continuously monitor the quality and health of cell cultures.



The accolades continued for Aran in August, when she was selected as a Rutgers University School of Engineering Medal of Excellence awardee for 2022, receiving the Engineering Alumni Distinguished Engineer Award. Aran will be celebrated at a networking dinner in October in Somerset, NJ.



Dr. Kiana Aran



Best of Both Worlds

Dr. Megan Prosser Draws Upon Administrative Expertise and Life Sciences as Riggs School Dean

● Written by Kate Findley | Photography by Arturo Gomez-Molina

Dr. Megan Prosser was hired on July 1 as Dean of KGI's Henry E. Riggs School of Applied Life Sciences (Riggs School). This role combines two of Prosser's passions: administration and the life sciences.

Before taking on this role at KGI, Prosser worked for Azusa Pacific University. She most recently served as the Interim Dean of the College of Liberal Arts and Sciences and Associate Professor of Biology.

After starting as a faculty member at Azusa in 2012 in the Biology and Chemistry Department teaching Cancer Biology, Genetics, and Molecular Biology, she held multiple administrative positions, including the Assistant Chair (2014-2017) and Chair (2017-2020) of the Department of Biology

and Chemistry and the Senior Advisor to the President and Chief of Staff (2020-2021).

"Serving in a variety of positions taught me that I enjoyed administration," Prosser said. "I also enjoyed my role as Dean and knew I wanted to stay in that administration level."

At the same time, after being with Azusa for 10 years, she was ready to embark on a new journey. Thus, opening the KGI position presented an ideal opportunity for her.

"I was excited for a variety of reasons—not only because this was the type of position I was looking for, but also for the opportunity to serve at KGI as an institution in general," Prosser said. "The types of programs that KGI offers and the connections to industry are ahead of the curve in higher education

and leave the institution very well-positioned for future opportunities and engagements, especially in light of everything happening within higher education coming out of COVID."

When she arrived on campus, she felt a strong rapport with everyone she interacted with.

Prosser is also excited to return to her roots in the life sciences. She earned her PhD in Cancer Immunotherapeutics and Tumor Immunology from the Irell and Manella Graduate School of Biological Sciences at City of Hope. Her research expertise focuses on adoptive immunotherapeutic approaches for enhanced cancer therapy.

"The biological sciences have my heart and my passion," Prosser said. "I'm looking forward to being able to teach here in the future, which would bring together all of my loves."

While she is focused on fulfilling her responsibilities as Dean for this academic year, she feels that teaching would enable her to serve the school to the fullest of her capacities.

As Dean, Prosser's responsibilities include academic planning, assessment and accreditation activities, faculty recruitment, faculty development and evaluation, student recruitment, advising, budget development, and overseeing the school's interdisciplinary faculty.

For the upcoming year, she is excited to meet KGI students, explore opportunities for potentially expanding Riggs School programming, and find innovative ways to grow the audience and access the curriculum. Specifically, she wants to find ways to adapt the curriculum to changing educational trajectories as more people are forgoing graduate school.

"Many folks go into industry positions right out of their undergraduate education but then realize they've hit a stopping point where they need that additional education or training to continue their career trajectory in the way they would like," Prosser said. "KGI is uniquely positioned to provide opportunities for these individuals who may have three to

“ I was drawn to KGI on various levels: as a scientist, faculty member, and administrator. The curriculum here is completely innovative. I love what's happening; I love the preparation in that it's highly applicable so that students are well prepared to enter careers.” **Dr. Megan Prosser**

"Not only do I love being in the classroom, but I also feel that from an administrative perspective, it's helpful to maintain that connection between what is happening in the programming and what is happening in the classroom," Prosser said. "It builds credibility with the students and the faculty and will help to inform our decisions from an administrative level."

Prosser recently had the opportunity to observe some Team Design Project (TDP) presentations, which aligned with her passion for the biological sciences. She has long been involved in cancer therapy, working on cancer research with undergraduates at Azusa during her entire tenure. They focused on engineering defense mechanisms for immune cells to target tumors better.

"Our work brought together these different areas of cancer biology as well as genetic engineering and molecular biology," Prosser said. "So I feel that my background and training fits in well with some of these hot topics in industry. It's enjoyable to be a part of the conversation and to see what our students are coming up with here at KGI."

five years of industry experience and don't need the same educational requirements as those coming straight out of undergraduate education with no industry experience."

The roles that Prosser has served in throughout her career have informed her with diverse skills that she will carry into her current role as Dean. Having served as a department chair, she developed an understanding of the faculty workload, balancing the ins and outs of programming, and working intimately with her colleagues as a faculty member and a chair.

"As I moved into other roles at a higher level of administration, I developed the broad perspective of how to engage with all departments across the institution to best benefit the students," Prosser said. "So the combination of having that intimate connection with faculty at the department level and then gaining that overarching perspective from an administrative capacity has enabled me to have a more well-rounded perspective overall." ●

ALUMNI SUCCESS



Nicole Diaz
PPC '22

From an early age, Nicole Diaz, PPC '22, witnessed the wonders of medicine in an unusual place—professional boxing. Her family has long been involved in the industry. Her grandfather grew up fascinated by boxing in East Los Angeles and went on to open his gym, where

many prominent boxers such as Oscar De La Hoya trained when they first started.

Growing up in the sport, Diaz observed how physicians would quickly repair injuries that boxers had sustained in the ring during matches, treating bruises and stitching up cuts—even serious cuts to the head—using a staple gun. Not only are the doctors on the sidelines during the fight, but they stay with the boxers through the entire process, beginning with weigh-ins.

Witnessing the miracles of medicine as doctors efficiently and effectively treated injured fighters inspired Diaz to pursue medicine as a career. She completed KGI's Postbaccalaureate Premedical Certificate and plans to go into either reconstructive plastic surgery or pediatrics.



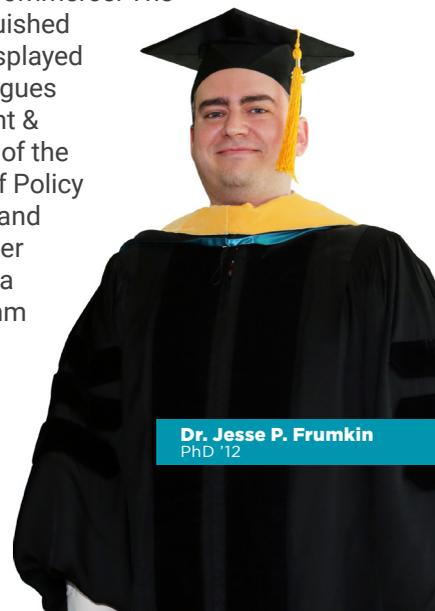
Heather Petty
MBS '16

Heather Petty, MBS '16, was featured on the NBC television show American Ninja Warrior (ANW) on June 27, 2022. The show is centered around a series of obstacle courses of increasing difficulty, culminating in the famed Warped Wall.

Because the competition requires considerable strength and endurance, typical participants have been lifelong athletes. However, Petty's story is different: Her desire to become a ninja warrior arose as she went through a dark life phase. Between the first and second years at KGI, her stepdad was diagnosed with a rare and aggressive form of melanoma. The disease progressed quickly, and he passed away during her second year at KGI.

During that time, she watched ANW for the first time, and it was the first time she smiled or laughed in weeks. After graduating, she found an ANW gym in Boston where she worked for Xontogeny, a life sciences accelerator. She started going to the gym and training to become a ninja warrior. In combination with her work, she now uses her ANW platform as a voice for patients with rare diseases.

This summer, Dr. Jesse P. Frumkin, PhD '12, was selected as a co-recipient of the Gold Award from the Department of Commerce. The award honors the distinguished scientific achievement displayed by Frumkin and his colleagues at the United States Patent & Trademark Office's Office of the Chief Economist, Office of Policy and International Affairs, and Office of the Commissioner for Patents in developing a machine-learning algorithm to identify the volume, nature, and evolution of U.S. technologies directly from patent documents.



Dr. Jesse P. Frumkin
PhD '12

ALUMNI ENGAGEMENT BY THE NUMBERS

- 15** Alumni club speakers
- 19** Alumni Admissions Ambassadors
- 66** Volunteers with Career Services
- 35** on KGI advisory councils or boards



Alejandro Quiñones
PPC '20

After being accepted to multiple medical schools, Alejandro Quiñones, PPC '20, has ultimately decided to attend the David Geffen School of Medicine at UCLA. His interest in pursuing a medical career was first sparked when he volunteered at his local hospital as a teenager. While in KGI's Postbaccalaureate Premedical Certificate program, Quiñones was actively involved with efforts to provide accessible quality healthcare to underserved communities in Southern California.

Ramya Kartikeyan was named to 2022's Medical Marketing & Media Women to Watch list, which honors women who have made noteworthy accomplishments in the medical marketing business. She also received the organization's 40 Under 40 Award for 2022.



Ramya Kartikeyan
PPM '12



Dr. Sindy Escobar Alvarez
MBS '02

Dr. Sindy Escobar Alvarez, MBS '02, published "Strategies for Inclusive Grantmaking" in *Nature Medicine* in April. The publication proposes potential methods that grantmaking organizations can use to increase the diversity of the biomedical research workforce, accelerating scientific discovery and decreasing health disparities.

PAST ALUMNI EVENTS

- **August 24, 2021:** Student/Alumni Social at La Verne Brewing
- **October 1, 2021:** Seattle Coffee Hour with Dean Toro
- **October 27, 2021:** Edwards Lifesciences/KGI Happy Hour
- **November 4, 2021:** CSHP Reception
- **November 16, 2021:** Machine Bio celebration at La Verne Brewing
- **November 30, 2021:** Give Within
- **March 16, 2022:** Updates from Campus with President Schuster
- **April 5, 2022:** Dinner with Michigan Alumni
- **May 13, 2022:** Student Meet and Greets with Commencement Speakers
- **June 15, 2022:** KGI in New York at Regeneron
- **June 27, 2022:** American Ninja Watch Party

This spring, Jason Kerr, MBS '16, earned the Outstanding Early Career Professional Award from the nonprofit Parenteral Drug Association. The award recognizes Kerr's many contributions to the organization, where he started as a member of the student chapter.



Jason Kerr
MBS '16

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Use **#KGIAlumni** to be part of our social media.

KGI Celebrates Silver Anniversary During 2022

● Written by Lauren Porta

Reflecting on its tradition of developing leaders in healthcare and the applied life sciences, KGI began a year-long celebration of its 25th anniversary starting in January 2022 and running through May 2023.

KGI's story began in 1995 when the late Henry E. ("Hank") Riggs, president of Harvey Mudd College since 1988, gathered a team to contemplate a "new venture." He envisioned a stellar new institution in The Claremont Colleges that would be innovative in higher education, productive for our nation and the region's economy, and beneficial to our society in solving critical problems related to the emerging field of biotechnology.

In July 1997, the W.M. Keck Foundation provided a \$50 million founding gift that transformed KGI from a dream into a reality. Riggs departed Mudd in 1997 to become the founding president of KGI. He was a visionary who could see that the next century would be ruled by the life sciences and knew it was important to educate its leaders in novel ways.

KGI's pioneer program—the Master of Business and Science—began its first classes in 2000 and conferred its first degrees in 2002 with an inaugural graduating class of 28.

After eight years of guiding the “new venture,” Riggs retired in 2003, and Dr. Sheldon Schuster became KGI's second president. Guiding accelerated growth for KGI, Schuster put together plans for an additional set of innovative programs. In 2004, the W.M. Keck Foundation made a \$20 million grant, challenging KGI to raise an additional \$30 million over seven years. KGI completed the challenge one year ahead of schedule.



“The initial approach of this institution led to innovative degree programs that are team-based, hands-on, and real-world,” Schuster said. “That vision is alive today, and it’s incredibly unique and special.”

Since the mid-2000s, KGI has rapidly expanded its degree offerings. What started with one degree in 2002 has grown to 17 master’s, doctorates, and certificate programs today. From an inaugural class of 28 in 2002, KGI expects nearly 700 students in the 2022-23 year.

WELCOME TO OUR HIVE, BEAKER BEE

There is a new face on campus generating much buzz: KGI is proud to introduce its brand-new mascot, Beaker Bee!

In the 25-year history of the Institute, the school has never had an officially recognized mascot, so in conjunction with KGI's 25th Anniversary, the leadership team determined that now is the right time to introduce one.

Beaker Bee will serve as a unifying symbol for KGI and will build enthusiasm and campus spirit. Beaker was chosen after a two-month process that included more than 80 idea submissions from the KGI community and multiple focus groups.

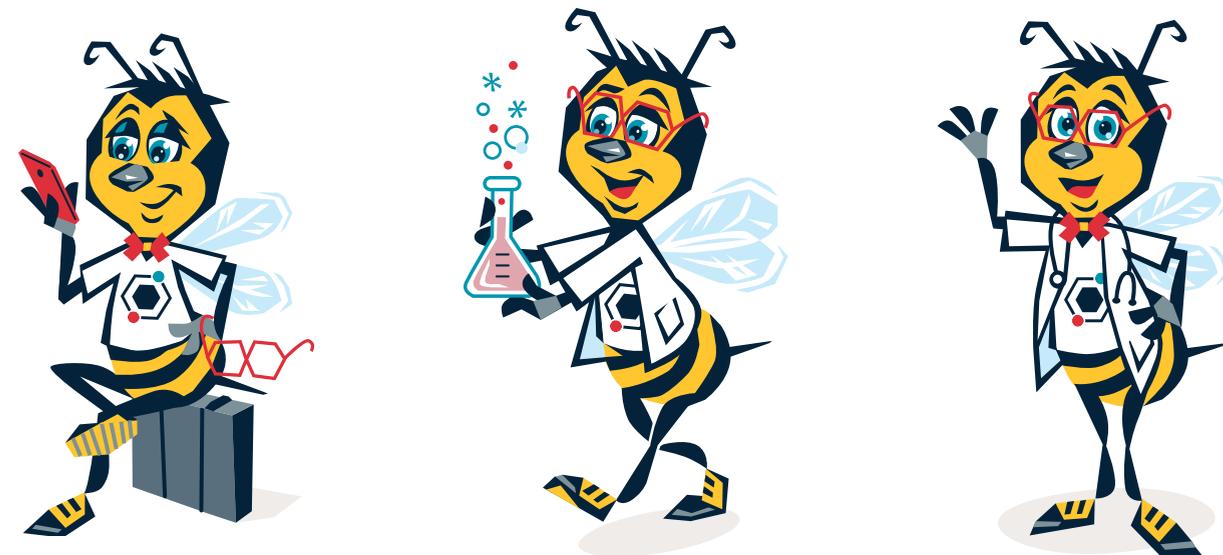
Cooperative and hard-working, Beaker represents the culture and values at KGI. Bees exhibit teamwork, and, although small, bees are immensely mighty—just like KGI students and alumni. Finally, bees create the hexagon in nature, which perfectly aligns with KGI's logo.

Beaker's design elements are representative of KGI's story:

- Hexagon-shaped glasses
- Bowtie (in honor of KGI Founding President, Henry E. "Hank" Riggs, who often wore bowties)
- KGI colors of navy, aqua, and red

To represent all of KGI's varied degree and certificate programs within healthcare and the applied life sciences, Beaker may be posed with additional props that might include:

- Briefcase (business/industry programs focused)
- Stethoscope (medical/healthcare programs focused)
- Lab coat (research/laboratory programs focused)



BEAKER'S HIVE RULES

- Bee innovative
- Bee creative
- Bee collaborative
- Bee entrepreneurial
- Bee diverse
- Bee involved
- Bee ethical
- Bee accountable
- Bee professional
- Bee engaged
- Bee inclusive
- Bee giving

BUILDING 555 RIBBON CUTTING MARCH 9, 2022

In anticipation of the Master of Science in Physician Assistant Studies program and Occupational Therapy Doctorate program starting in fall 2022, KGI expanded its campus footprint to Building 555 Arrow Highway, with additional classrooms and labs for students to innovate and collaborate.

In celebration of the completion of the construction, KGI hosted a ribbon-cutting ceremony on Wednesday, March 9, 2022, from 4-5 p.m. PT. All members of the KGI community, including students, faculty, staff, alumni, board members, city and state officials, and the Claremont mayor, attended the ribbon cutting and took a tour of the new building.



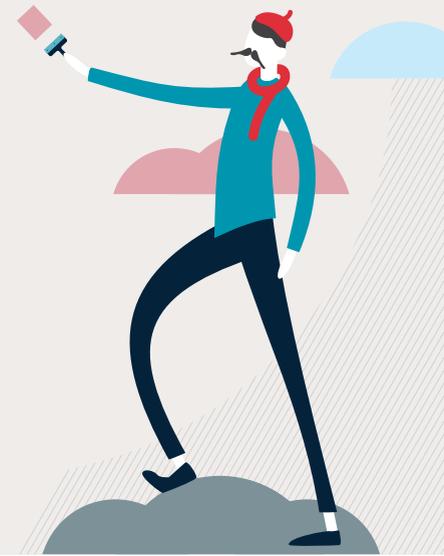
INNOVATE KGI: CALL FOR ARTWORK

The KGI community is invited to create and submit a piece of art for the Founder's Day celebration. The art can be in any medium (painting, comics, video, graphic design, photography, clay, marble, charcoal, poetry, short story, music, etc.).

We are looking for artwork that captures the spirit of art and science. Show us what the life sciences, biotech, biology, or KGI is in your art. Can you visually represent or tell us about a KGI program? Or tell us what KGI and the life sciences field will look like in the next 25 years. Please make it for a general audience, but make it fun and appealing.

The artwork will be used to publicize the event as well as be placed around campus as part of our Founder's Day celebration.

Submit your artwork at kgi.edu/artwork.



FOUNDER'S DAY: OCTOBER 7, 2022

In celebration of our 25th Anniversary, KGI is hosting Founder's Day on October 7. All members of the KGI community and local community are invited to attend a speakers series focusing on the future of biotech and healthcare. Learn more and RSVP at kgi.edu/foundersday.

SCAN TO
RSVP →



GAYLE RIGGS STUDENT CENTER 25TH ANNIVERSARY TRIBUTE

The Gayle Carson Riggs Student Center has been redecorated with an installment showing KGI's evolution over the last 25 years! Gather your friends and family and take a trip down memory lane by visiting Building 121 the next time you're on campus.



KECK GRADUATE INSTITUTE BY THE NUM3ERS5

- 1997** Year KGI was founded
- 2** Number of Presidents in KGI's history
- 17** Number of academic programs
- 3** Number of KGI schools
- 100+** Number of KGI faculty
- 2002** Year of KGI's first graduating class
- 2000+** Number of KGI alumni

Set Up For Success

Dr. Cynthia Martinez Named School of Community Medicine Dean

● Written by Kate Findley | Photography by Arturo Gomez-Molina

Dr. Cynthia Martinez was named Dean of KGI's School of Community Medicine and Professor of Practice on August 1. However, she is not new to KGI, as she has been with the school since 2018, serving as Dean of Students and overseeing Student Affairs, including Academic Support Services, Student Accessibility Services, Career Services, Student Conduct, and Student and Campus Life.

Martinez had worked closely with former School of Community Medicine Dean Dr. David Lawrence since the inception of the Master of Science in Community Medicine (MSCM) program. Thus, she had an opportunity to learn the program's foundation while advocating for the students.

"As a first-generation college student and a female minority in STEM, I am deeply committed to the mission and the values of this program, such as healthcare, education, and giving back to the community," Martinez said. "That motivated me to apply for this position when it became available."

What differentiates the MSCM program from traditional public health programs is that while the latter focuses on laws and regulations, the MSCM program prepares students to actively work in their communities and make an impact at the local level.

"This process empowers not only the person going into the community but the community members themselves because it increases accessibility," Martinez said.



Dr. Cynthia Martinez

A large part of the MSCM program revolves around the capstone project and preparing students to build the trust necessary to go into the community and interview local citizens, conduct a needs assessment, identify the stakeholders, perform a literature review on the topic of their capstone, and initiate an intervention.

"Students receive support, mentorship, and advising throughout the capstone experience," Martinez said.

While the MSCM program has been online since its inception, one recent change is that it's now completely asynchronous. This means that while students must complete the modules by a certain deadline, they no longer have to adhere to a set day and time.

Instead, the students can complete the modules independently, working in groups and applying their knowledge through active learning. This is ideal for students who have jobs, family commitments, and need time to prepare for medical, pre-dental, or physician assistant (PA) school.

Additionally, this model allows students from a diverse range of locations to participate in the program, enriching the program with diverse perspectives. For example, one

"We were very fortunate to receive funding from LA Care for the first inaugural cohort," Martinez said. "For our second cohort, most students had to take out loans. According to the students, this deters them from wanting to take on additional debt if they decide to continue to medical school. So, these scholarships would be impactful for the students."

For this new cohort, most students plan to continue to either medical, dental, optometry, or PA school. Thus, additional funding would be highly beneficial, as would expanding pre-health advising and resources for MCAT prep.

At the same time, some students who intended to attend medical school have decided—based on what they're learning in the program—to delay enrolling in medical school because they're seeing how they can make an immediate impact in their community.

"I believe that's a measure of success for this program because students are learning how there's more than one pathway to create meaningful change, beyond becoming a physician," Martinez said.

Martinez is particularly looking forward to seeing the MSCM program's inaugural class graduate in May 2023. She is also excited to work

“ I see synergies within our academic programs at KGI and growth opportunities in workforce development initiatives by the state to offer continuing education and certificate units for healthcare professionals and physicians. It is an exciting time to be at KGI, and I am thrilled to be in this new role!” **Dr. Cynthia Martinez**

student is examining the prevalence of Type 2 diabetes in Latinx communities in Georgia.

This diversity is also reflected in the program's faculty.

"We have some stellar facilitators in the program who bring in professional experience, including MDs, PhDs, and practicing health professionals as well as people who are working very closely within their communities," Martinez said. "We have someone in medical school pursuing a DO degree and providing pre-health advising and mentorship to many of our students wanting to attend medical school. That's been a huge value added to our program."

One of Martinez's goals this academic year is to procure more scholarship funding for students.

with students in KGI's two postbaccalaureate programs, which are now a part of the School of Community Medicine, as students prepare to become doctors, dentists, physician assistants, and other healthcare professionals.

One of Martinez's main goals for the program is to continue expanding, which means hiring more facilitators to help manage all of the capstone projects.

"I'm very fortunate to have some excellent advisors at my fingertips, with the Board of Governors and the Council Medical School Dean's Advisory Board that Dave Lawrence set up," Martinez said. "Given the groundwork that Dave has provided, I feel very well-prepared and set up for success." ●

IMPACT REPORT: INSTITUTIONAL DEVELOPMENT AND PARTNERSHIPS

Supporting Innovation

ADVANCEMENT



Last fall, KGI received a \$1 million gift from entrepreneur Kiran Mazumdar-Shaw and her husband, John Shaw, to establish a scholarship fund for the Master of Science in Community Medicine (MSCM) program within the School of Community Medicine.

Mazumdar-Shaw is the founder and Chairperson of Biocon, India's largest publicly listed biopharmaceutical enterprise. Named among Time magazine's 100 most influential people in the world, Mazumdar-Shaw is recognized as a global leader in science and innovation. She is also a member of the Board of Trustees at KGI.

As a pipeline program into healthcare careers, the two-year MSCM program launched in fall 2021. The program's goal is to prepare community medicine practitioners and leaders who work in underserved and underrepresented communities for careers devoted to improving health, preventing illness and injury, and detecting treatable medical conditions early enough to avoid premature death and unnecessary poor health.

Mazumdar-Shaw's gift will establish the Mazumdar-Shaw Scholarship Fund, which will provide scholarships to traditionally underserved students pursuing careers in community medicine.



A generous gift from Drs. Lakshmi and Hanu Damerla to KGI has established the SaDa Scholarship to support the Master of Science in Physician Assistant Studies program.



I cannot thank you enough for supporting the future of my education. I will forever be grateful for the opportunity to continue my education; that would not be possible without you! I now have everything I need to change the world and make the biggest impact possible, and your financial support tied everything together. I feel at ease now that I have the support I need and can focus on the problems I will fix. Thank you so much!" **Erik Wehse**, MBS '21



A generous \$1 million gift from Dennis and Linda Fenton to KGI has established the Matthew and Kathy Croughan Endowed Scholarship in Bioprocessing. Through this gift, the endowed scholarship will increase access to careers in the biopharmaceutical industry for underprivileged women. Eligible students may be enrolled in either the Master of Business and Science concentration in Bioprocessing or the Master of Engineering in Biopharmaceutical Processing programs.

The Fletcher Jones Foundation awarded a \$1 million grant to KGI to build out the Shared Skills Lab in the new 555 Building for the Master of Science in Physician Assistant Studies program.

KGI has been awarded a \$450,000 grant from the McKesson Foundation to support the development and evaluation activities for KGI's Master of Science in Community Medicine program.

DONOR IMPACT

This Academic Year
\$4,331,605.76



Total Donors: 229

New Donors: 56
\$1,961,009.31

Student Success Fund
\$3,893.71

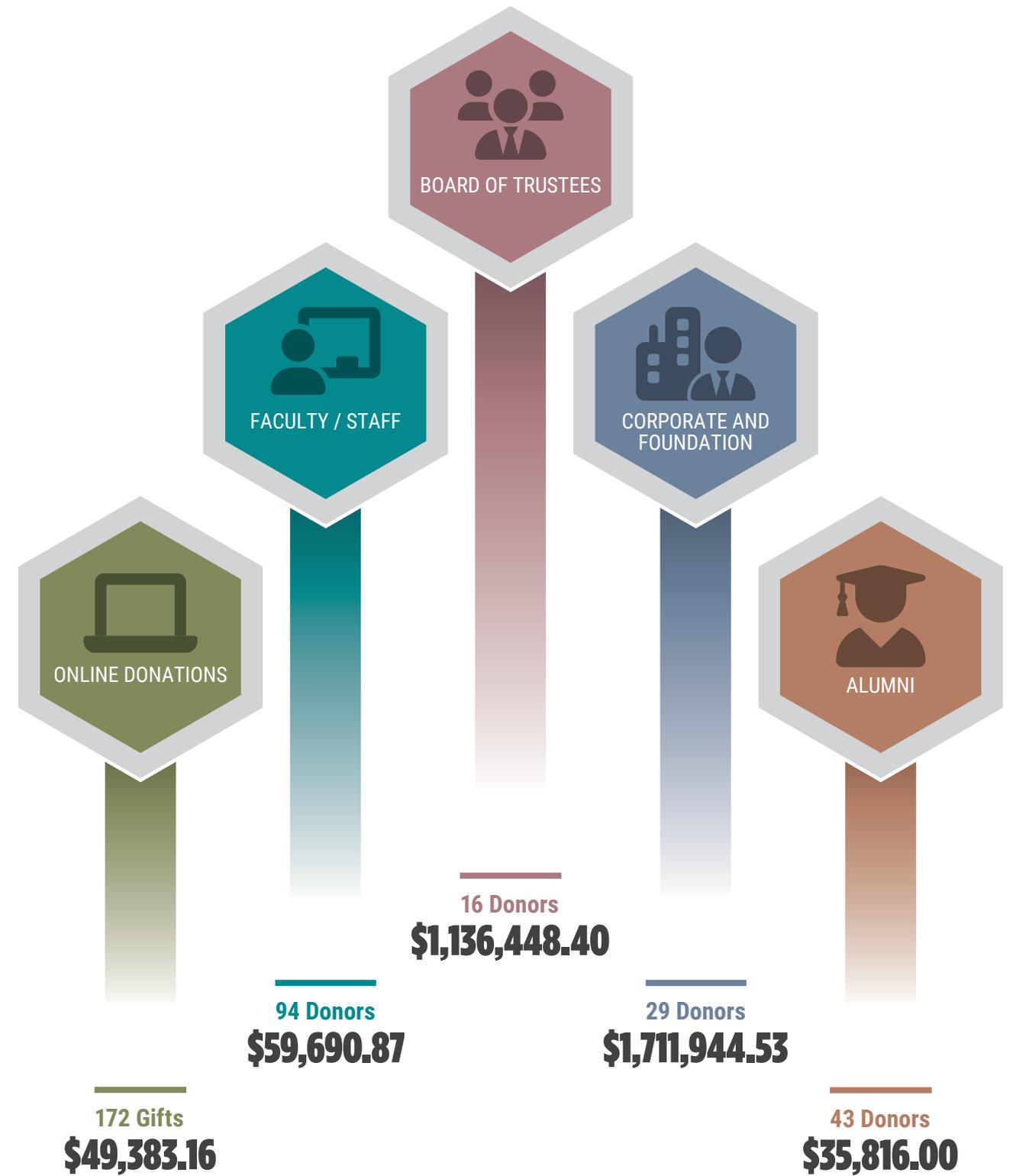
Cash Gifts
\$4,200,750.55



Student Scholarships
\$3,285,203.07

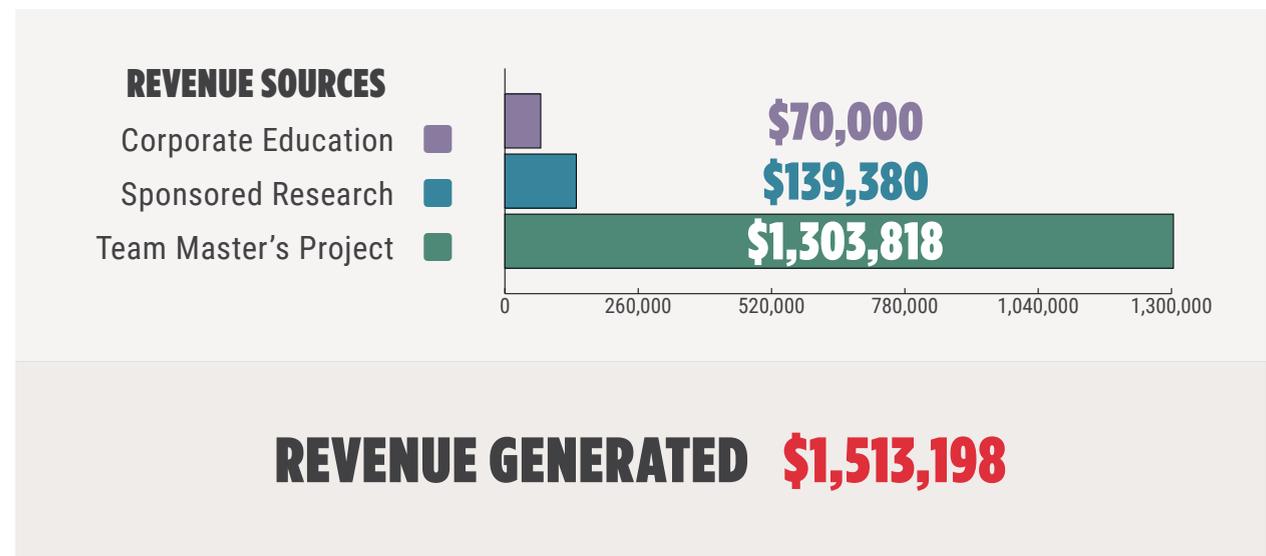
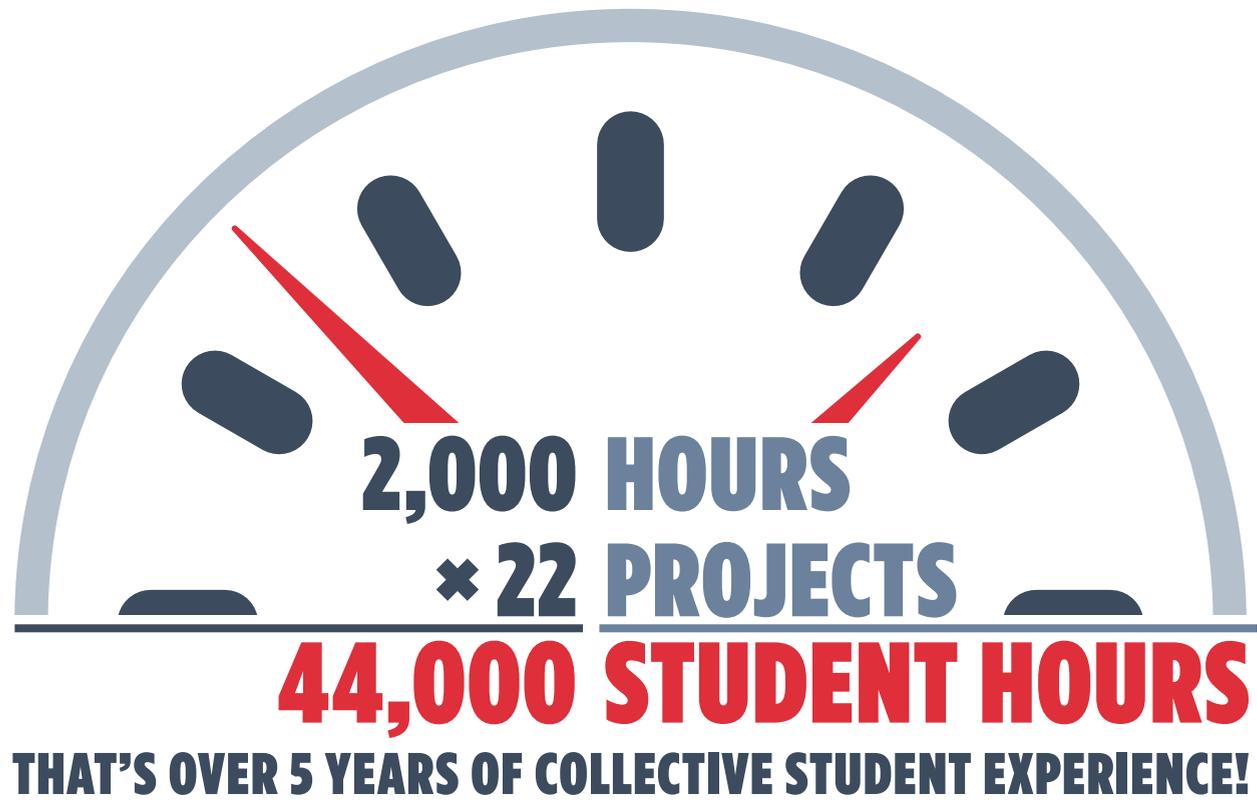
Gifts In-kind
\$130,855.21

DONOR BREAKDOWN



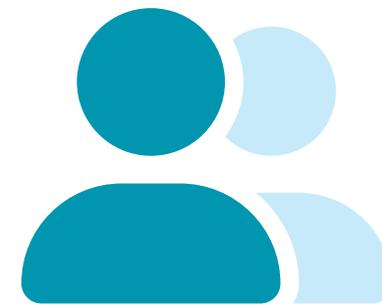
CORPORATE PARTNERSHIPS

THE TEAM MASTER'S PROJECT (TMP) EXPERIENCE



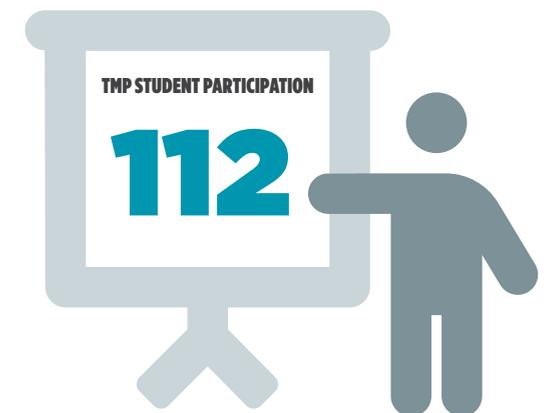
TMP FACTS

TMP revenue increased **30%** over the previous year with new sponsors added.



58 TMP Mentors (Liaisons)
8 are KGI Alumni

22 different projects from **17** unique companies. Several companies with **2** projects and **Amgen** fielding **4** distinct teams.



INDUSTRY SPEAKERS



- 15** Speaking Events
- 15** Individual Speakers
- 3** Alumni Speakers
- 26** Average Attendance
- 392** Total Attendees



Inland Empire Health Plan

Plans are in development for a new course for all Business Analysts working at IEHP. The course will launch in the spring with the goal of level setting all business analysts at IEHP.

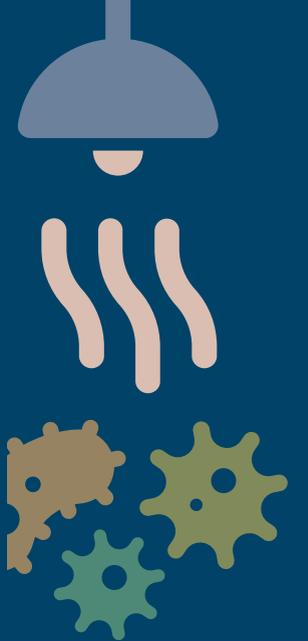
SPONSORED RESEARCH



Companies engaged KGI faculty and students for primary research

Companies incubating in KGI labs

2



Another great year in the books with BI; can't wait for next TMP!"
Dominique Moteil Principal Scientist, Cell Culture with Boehringer Ingelheim

GIVING SOCIETY

The KGI Giving Society recognizes the extraordinary generosity of alumni, friends, faculty, and staff who donate \$1,000 or more to KGI annually, and alumni who have graduated in the past five years and made a gift of \$500 or more or have donated \$100,000 or more in their lifetime. The members' generous spirit has a direct, positive influence on the phenomenal faculty and students of KGI.

At KGI, we are uniquely positioned to make lasting impacts on issues such as healthcare accessibility by educating future leaders in the healthcare and life science industries. As we embark on the next 25 years of growth and innovation at KGI, we are proud and grateful to have the KGI Giving Society members as our partners in this remarkable endeavor.

All gifts, matching gifts, pledges, and pledge payments will count towards the annual membership to the giving society.

For more information about the annual membership in the KGI Giving Society, please contact:

Gabriel Hernandez, Annual Giving Officer

✉ gabriel_hernandez@kgi.edu ☎ 909.607.5827



CORPORATE RELATIONS BOARD

	Philanthropic Giving	\$21,457.20
	TMP Revenue	\$390,000.00
	Fellowship Revenue	\$312,000.00

CORPORATE EDUCATION



COPE Health Scholars

KGI hosted a workshop attended by **139** COPE Health Scholars learning about various **healthcare careers** and KGI graduate options.



MSPA

5 COPE Health Scholars will join the **first MSPA cohort.**



Fun Fact

KGI offers a **matriculation agreement** for all COPE Health Scholars into KGI graduate programs.

INSIDE KGI

ABOUT KGI

In 1997, Founding President Henry E. Riggs conceived the idea of KGI, and through a generous \$50 million grant from the W.M. Keck Foundation, KGI was born as a member of The Claremont Colleges. Since 2003, under the leadership of President Sheldon Schuster, KGI continues to grow both in terms of its number of enrolled students and in its reputation for excellence.

KGI offers innovative postgraduate degrees and certificates that integrate life and health sciences, business, engineering, pharmacy, and genetics. With a focus on team projects and hands-on industry experiences, KGI provides pathways for students to become leaders within healthcare and the applied life sciences.

KGI consists of three schools: Henry E. Riggs School of Applied Life Sciences, School of Community Medicine, and School of Pharmacy and Health Sciences

ADMINISTRATION

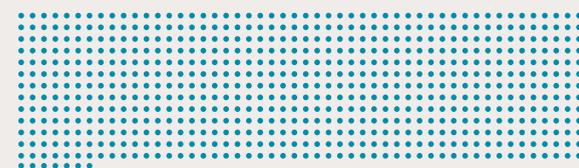
- **Sheldon M. Schuster**, President
- **Larry Grill**, Dean of Research
- **Cynthia Martinez**, Dean of the School of Community Medicine
- **Sofia Toro**, Dean of Admissions and Financial Aid
- **Srikanth Kolluru**, Interim Dean of the School of Pharmacy and Health Sciences
- **Megan Prosser**, Dean of the Henry E. Riggs School of Applied Life Sciences
- **Kelly Esperias**, Chief Financial Officer and Chief Operating Officer
- **Cheryl Merritt**, Assistant Vice President of Human Resources and Employee Engagement
- **Sharlene Risdon-Jackson**, Vice President of Institutional Development & Partnerships

BOARD OF TRUSTEES

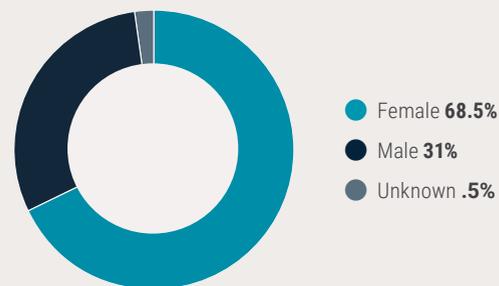
- **Wade Ackerman**, Partner at Covington & Burling LLP
- **Isma Benattia**, Vice President of Research & Development Strategy & Business Operations, Amgen
- **Karen Bernstein**, Co-founder and Chairman, BioCentury
- **Teresia L. Bost**, General Counsel at 54gene
- **Daniel M. Bradbury**, Executive Chairman, Equillum, Inc.
- **Robert E. Curry**, Board Chair Emeritus, KGI; Former President, PerceptiMed, Inc.
- **Jamie Dananberg**, Chief Medical Officer, Unity Biotechnology
- **Steven Galson**, Former Senior Vice President, Research and Development, Amgen
- **Ross A. Grossman**, Former Senior Vice President, Human Resources, Regeneron Pharmaceuticals, Inc.
- **Barbara Kosacz**, Chief Operating Officer and General Counsel, Kronos Bio, Inc.
- **Harlan Levine**, President of Strategy and Business Ventures, City of Hope
- **Rodney S. Markin**, Associate Vice Chancellor for Business Development and Director UNeTech Institute, University of Nebraska Medical Center
- **Kiran Mazumdar-Shaw**, Founder and Chairperson, Biocon Limited
- **Cecilia Montalvo**, Cambria Community Healthcare District Board of Directors Member
- **Yolanda T. Moses**, Professor of Anthropology and former Associate Vice Chancellor, Diversity and Inclusion, University of California, Riverside
- **Carol A. Nancy**, Founder and Chief Executive Officer, Sequella, Inc.
- **Monde Qhobosheane**, Former President and Chief Executive Officer, Analytik Jena
- **José Ignacio Santos**, Professor of Experimental Medicine, National Autonomous University of Mexico, former Secretary of the General Health Council for the Mexican Government
- **Sheldon Schuster**, President and Professor, KGI
- **Lydia Villa-Komaroff**, Consultant of Intersections: Science, Business, Diversity
- **Timothy P. White**, Former Chancellor, California State University
- **James F. Widergren**, Former CEO and President, Corgenix and ORGENTEC
- **Richmond Wolf**, Partner, Portfolio Manager, and Investment Analyst, Capital World Investors

KGI STATISTICS

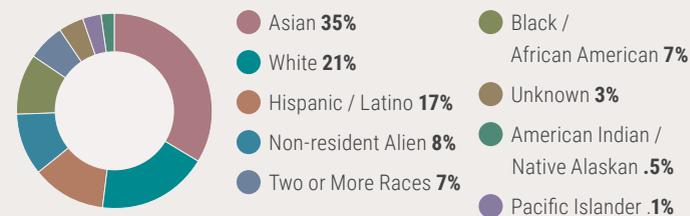
657 STUDENTS ENROLLED 2022-2023



GENDER BREAKDOWN



ETHNIC BREAKDOWN



AVERAGE AGE OF KGI STUDENTS

25.78



TOTAL NUMBER OF KGI ALUMNI

1,952 WITH **2,182** EARNED DEGREES

CAMPUS RESOURCES



HUMAN RESOURCES



INFORMATION TECHNOLOGY



REGISTRAR



ALUMNI



CORPORATE PARTNERS



ADVANCEMENT



CAREER SERVICES



FINANCIAL AID



FACILITIES



PRESIDENT'S OFFICE



BUSINESS OFFICE



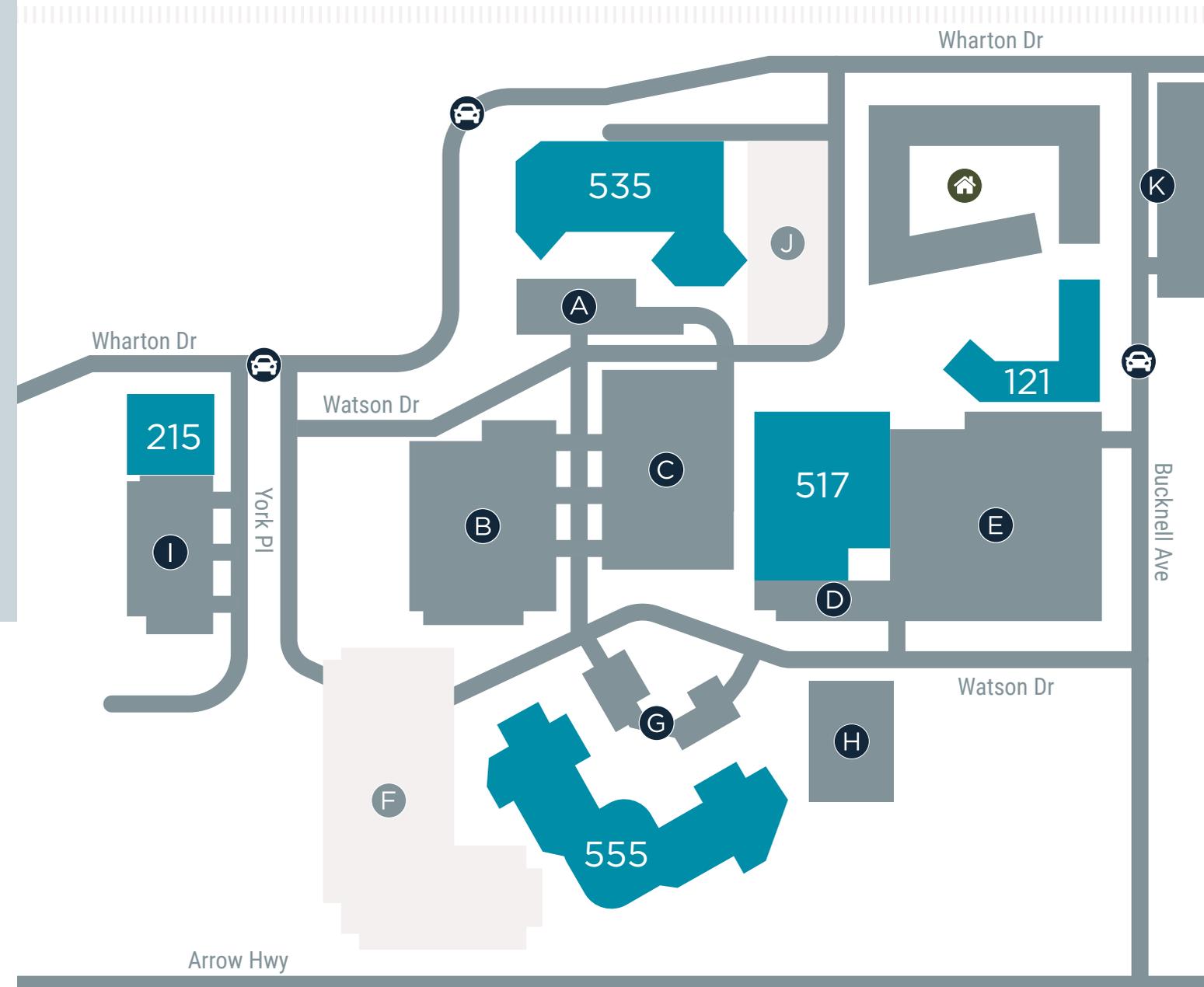
STUDENT AFFAIRS



ADMISSIONS

Visit kgi.edu/directory for the latest contact information.

CAMPUS MAP



KGI SHOP

Browse hundreds of items of KGI apparel, including professional wear, casual wear, and program-specific gear.

kgi.edu/store



CAMPUS EVENTS

Browse more than 200 events per year at

kgi.edu/events

KGI LINGO

SCS The 5 undergraduate Claremont Colleges (CMC, HMC, Pitzer, Pomona, and Scripps)

7CS The 7 Claremont Colleges (KGI, CGU, CMC, HMC, Pitzer, Pomona, and Scripps)

ABC Amgen Bioprocessing Center

ABC Application Boot Camp

ABCAB Amgen Bioprocessing Center Advisory Board

APPE Advanced Pharmacy Practice Experience

ASCB ASCB Biotech Course

BOT Board of Trustees

BSURE Botswana Summer Undergraduate Research Experience

BSUITE Bioprocessing Summer Undergraduate Internship Education and Training

CAST PHD Corporate Awards Student Training PhD program

CBB Careers Beyond the Bench: Biotech Industry Summer Program

CAG Certificate in Applied Genomics

CBM Certificate in Bioscience Management

CBR Center for Biomarker Research

CGB Clinical Genetics and Bioinformatics

COH City of Hope

CRB Corporate Relations Board

HSST High School Summer STEM

KGI Keck Graduate Institute

MBS Master of Business and Science

MENG Master of Engineering in Biopharmaceutical Processing

MDD Medical Device Development Bootcamp

MS Master of Science in Applied Life Sciences

MSCM Master of Science in Community Medicine

MSGC Master of Science in Human Genetics and Genetic Counseling

MSGDA Master of Science in Human Genetics and Genomic Data Analytics

MSMDE Master of Science in Medical Device Engineering

MSPA Master of Science in Physician Assistant Studies

MSRA Master of Science in Regulatory Affairs

MSTM Master of Science in Translational Medicine

OTD Occupational Therapy Doctorate

PASS PA Summer Success

PHARM.D Doctor of Pharmacy

PHD Doctor of Philosophy in Applied Life Sciences

PPA Postbaccalaureate Pre-PA Certificate

PPC Postbaccalaureate Premedical Certificate

PRE-OT Pre-Occupational Therapy Program

PREP Pre-Pharmacy Enrichment Program

RIGGS SCHOOL Henry E. Riggs School of Applied Life Sciences

SEHP Summer Explore Health Professions

SOCM School of Community Medicine

SPHS School of Pharmacy and Health Sciences

SURE Summer Undergraduate Research Experience

TCCS The Claremont Colleges Services

TDP Team Design Project

TMP Team Master's Project

USSC Undergraduate Summer Science Courses

WASC Western Association of Schools and Colleges



INNOVATORS START HERE





535 Watson Drive
Claremont, CA 91711

INVESTING IN INNOVATORS



KGI alum Andrew Lewis, MBS '17, has extensive experience in mentoring KGI students and wanted to continue that passion. He decided to start an initiative that offers students who desire to pursue a career in finance investment leadership a mentorship with himself, and/or the opportunity to receive financial support through a scholarship.

The result is a two-year pledge initiative starting in 2022. This year, Andrew awarded the mentorship to Elena Nunez, MBS '23, who will receive career and industry insights and benefit from Andrew's experience as an MBS student at KGI. Lucia Lopez Castillo, MBS '22, will receive a \$2,500 scholarship and a mentorship opportunity with Andrew.

Each student met with Andrew during an introduction call, and both students and Andrew are very appreciative and excited about this opportunity.

 Learn how YOU can invest in innovators by visiting kgi.edu/give.

You're Invited! October 7
FOUNDER'S DAY

25.kgi.edu