



# Innovators Start Here

[kgi.edu](http://kgi.edu) | Claremont, CA



# Innovators Start Here

Some take the world as they find it. KGI students find ways to improve on it. KGI has devoted 20+ years to the creation of new models of thinking and doing, rooted in technology, science, and entrepreneurial innovation. Models that incorporate the worlds of applied life sciences and healthcare education, revitalizing them through a unique approach that rewards students with something more than a degree: A clear path to success. Our teaching emphasizes active learning, provides unprecedented access to industry, and never settles for the status quo. Innovation may be rooted in the past, but it drives unceasingly toward the future.



## Why KGI?

KGI's Henry E. Riggs School of Applied Life Sciences and School of Pharmacy and Health Sciences offer a number of innovative programs that integrate life sciences, pharmacy, genetics, engineering, and business with a focus on industry projects, internships, and team collaborations. Exposure to the biotech and pharmaceutical industries is woven throughout all of our programs, giving students unique opportunities in research, industry, and healthcare. Learn more at [kgi.edu/programs](https://kgi.edu/programs). KGI is also proud to offer several unique summer programs for high school, undergraduate students, and postdocs designed to bolster their academic careers. Learn more at [kgi.edu/summer](https://kgi.edu/summer).

### Research

- Doctor of Philosophy in Applied Life Sciences
- Master of Science in Applied Life Sciences
- Master of Science in Translational Medicine

### Coming Soon

- KGI is developing an innovative Doctor of Medicine (MD) program for the 21st century and is expected to enroll the first cohort in 2024.

### Industry

- Certificate in Bioscience Management
- Master of Business and Science
- Master of Engineering in Biopharmaceutical Processing
- Master of Science in Human Genetics and Genomic Data Analytics
- Master of Science in Medical Device Engineering
- Master of Science in Regulatory Affairs

### Healthcare

- Doctor of Pharmacy
- Master of Science in Human Genetics and Genetic Counseling
- Master of Science in Community Medicine
- Master of Science in Physician Assistant Studies
- Occupational Therapy Doctorate
- Postbaccalaureate Premedical Certificate
- Postbaccalaureate Pre-PA Certificate



## Academic Programs

### **Certificate in Bioscience Management (CBM)**

The part-time program is a unique opportunity for PhD students and postdocs with backgrounds in science to gain graduate level skills in bioscience management through MBA-level courses.

### **Doctor of Pharmacy (PharmD)**

The four-year program prepares graduates to serve at the leading edge of pharmacy practice in a variety of healthcare settings, earned through unrivaled experiential training and a unique collaboration between healthcare and industry.

### **Doctor of Philosophy in Applied Life Sciences (PhD)**

The PhD program endows a select group of students with expertise in applied bioscience research with the tools and approaches to solve interdisciplinary problems and translate knowledge into beneficial applications that advance bioscience.

### **Master of Business and Science (MBS)**

The two-year program prepares graduates for influential careers in the bioscience industry through graduate level business and science courses and hands-on experience in biotech, pharmaceutical, and healthcare companies.

### **Master of Engineering in Biopharmaceutical Processing (MEng)**

The two-year program provides graduates with the skills required for successful careers in the biopharmaceutical and biomanufacturing industries through interactions with industry experts, professional training, internships, and industry-led projects.

### **Master of Science in Applied Life Sciences (MS)**

The two-year program prepares graduates to translate scientific discoveries into medical products through training in clinical research, management, and the context within which medical science is translated for societal benefit.

### **Master of Science in Community Medicine (MSCM)**

The two-year program prepares students 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.

### **Master of Science in Human Genetics and Genetic Counseling (MSGC)**

The two-year program prepares graduates to be innovative, collaborative, culturally-competent, articulate, and caring genetic counselors who serve the needs of individual patients, the healthcare system, and the bioscience industry.

### **Master of Science in Human Genetics and Genomic Data Analytics (MSGDA)**

The two-year program prepares graduates to translate sequenced patient data into actionable clinical recommendations and bridge the gap between research scientists and clinical practitioners.

### **Master of Science in Medical Device Engineering (MSMDE)**

The two-year program prepares graduates to invent, develop, and produce commercially viable, manufacturable medical devices of the future in specialties such as in-vitro diagnostics, drug delivery, assistive technology, and wearables.

### **Master of Science in Physician Assistant Studies (MSPA)**

The 27-month program, enrolling in fall 2022, will prepare students to enter the workforce with a better understanding of personalized medicine and emerging technologies so they are fully prepared to advance healthcare through leadership and compassionate care.

### **Master of Science in Regulatory Affairs (MSRA)**

The two-year program (joint with City of Hope) provides students with translational and applied experience in regulatory affairs for all FDA-regulated product classes (drugs, biologics, and devices) throughout the product lifecycle (pre-clinical development, clinical development, and post-marketing).



### **Master of Science in Translational Medicine (MSTM)**

The two-year program (joint with City of Hope) provides students with applied research experience and in-depth training in the translation of basic research into medical products from the perspectives of both academic research and commercial development.

### **Occupational Therapy Doctorate (OTD)**

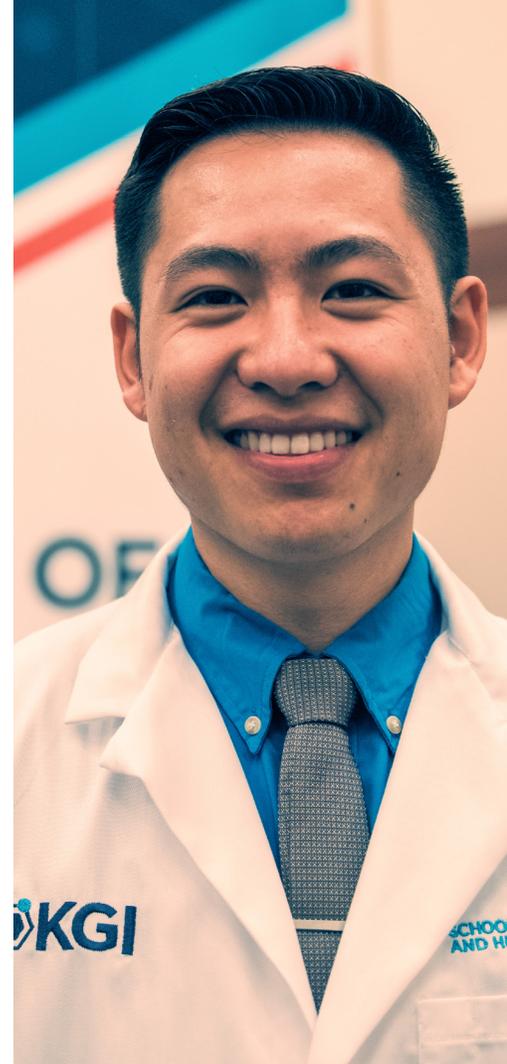
The three-year program, enrolling in fall 2022, will ready students to lead and proactively innovate solutions for maximizing the health-promoting potential of engagement in activities of everyday life.

### **Postbaccalaureate Pre-PA Certificate (PPA)**

The 9- to 12-month program prepares graduates with enhanced academic credentials to gain a competitive edge for admission into PA programs through a rigorous graduate-level science curriculum and development of professional competencies.

### **Postbaccalaureate Premedical Certificate (PPC)**

The nine-month program is designed to help students gain a competitive edge for admission into medical school through a rigorous graduate-level science curriculum and advanced bioscience topics invaluable for future physicians.



## Summer Programs

### Application Boot Camp (ABC)

The interactive workshop is designed to assist students in completing their graduate health applications across different disciplines, and consists of personalized advising along with support in the areas of personal statement, extracurricular activities, school selection, and interview prep.

### Bioprocessing Summer Undergraduate Internship Education and Training (BSUITE)

The program provides participants with valuable bioprocessing and bioengineering research experience, including team projects based on real tasks from industry bioprocessing laboratories.

### Botswana Summer Undergraduate Research Experience (BSURE)

BSURE is a unique opportunity for students to acquire research skills in the applied life sciences while serving as cultural ambassadors. Participants spend four weeks in Botswana and four weeks at KGI.

### Careers Beyond the Bench (CBB)

During this program, participants learn about bioscience business skills and gain a competitive edge for career opportunities in biotechnology, pharmaceuticals, medical devices, and other biomedical product industries.





### **Clinical Genetics and Bioinformatics (CGB)**

The program is designed for those interested in learning more about human genomics, bioinformatics, genetic counseling, and precision medicine, exposing participants to career opportunities in clinical genetics and genomics.



### **High School Summer STEM (HSS)**

The program provides a limited number of unpaid internships to exceptional high school students interested in gaining hands-on research experience in science and engineering.

### **Managing Science in Biotech for Postdocs**

Developed in partnership with the American Society for Cell Biology, this program introduces PhD scientists, postdocs, and graduate students to the competencies they need to thrive in the biotech industry.

### **Medical Device Development Bootcamp (MDD)**

This experiential learning opportunity is for students interested in learning the process for designing and manufacturing medical devices, including product development, manufacturing, and quality control.

### **PA Summer Success Program (PASS)**

The program is designed to inform, excite, and empower high school, college, and post-graduate students to pursue a career as a physician assistant (PA). PASS will provide attendees with information about the profession, real PA perspectives, and engaging clinical scenarios.



### **Pre-Pharmacy Enrichment Program (PrEP)**

The program explores the pharmacy profession through interactive classes and hands-on activities that introduce pharmacy practice, emerging topics, and PharmD admission requirements.

### **Pre-Occupational Therapy Program (PrOT)**

The program assists students in exploring the occupational therapy profession through hands-on and interactive learning, including what occupational therapists do, where they work, and what populations they serve.

### **Summer Undergraduate Research Experience (SURE)**

The program provides students the opportunity for cutting-edge, interdisciplinary research in the areas of molecular basis of human disease, drug discovery, engineering, medical diagnostics and devices, and computational biology.

### **Summer Explore Health Professions (SEHP)**

This experiential program consists of classroom instruction, campus tours, clinical shadowing, and personalized advising for students who are exploring healthcare careers or seeking application support.

### **Undergraduate Summer Science Courses (USSC)**

Courses are available for students seeking careers in the sciences. Typical offerings include: biochemistry, drug design, genetics, biostatistics, human anatomy with lab, human physiology with lab, and microbiology with lab.



## Experience

KGI students get the opportunity to work with some of the top healthcare and life sciences companies through internships, corporate-sponsored projects, experiential education, and clinical rotations.

Our well-placed alumni and close ties with industry ensure students have valuable opportunities to build their network and garner insights from leaders throughout the life sciences.



*"Through the Team Master's Project (TMP), we were able to apply basic science to the applied life sciences and healthcare systems. Learning the different aspects of industry has broadened my horizons, which is very valuable to my aspirations as a future physician."*

*-Lynn-Indora Edmond, MS*

Guest lectures, research colloquia, and industry spotlights provide more chances to hear first-hand from those at the forefront of biotechnology and healthcare.

**75+** 

Biotech and healthcare companies represented on our Board of Trustees and Advisory Council

**85+** 

Corporate and alumni speakers on campus per year

**250+** 

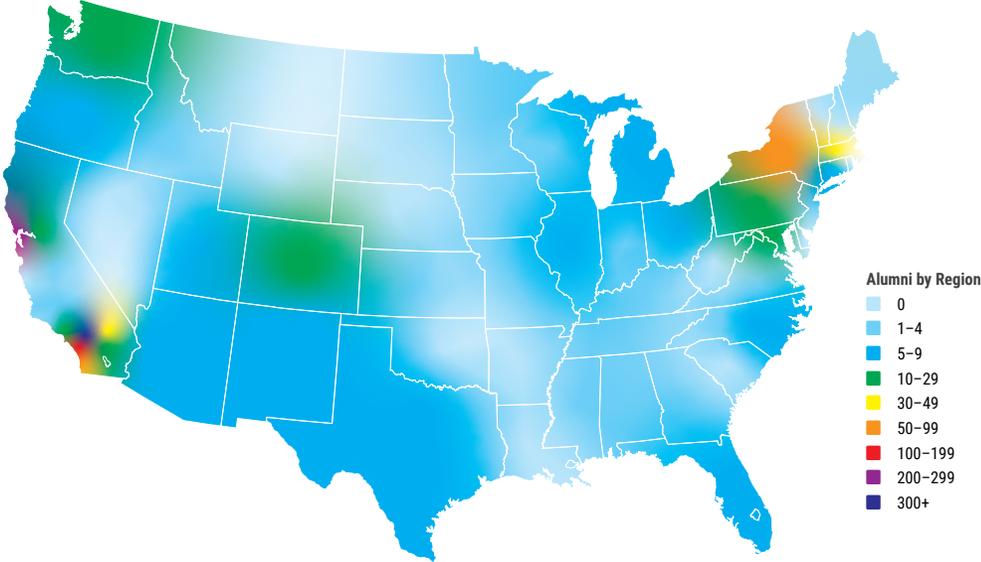
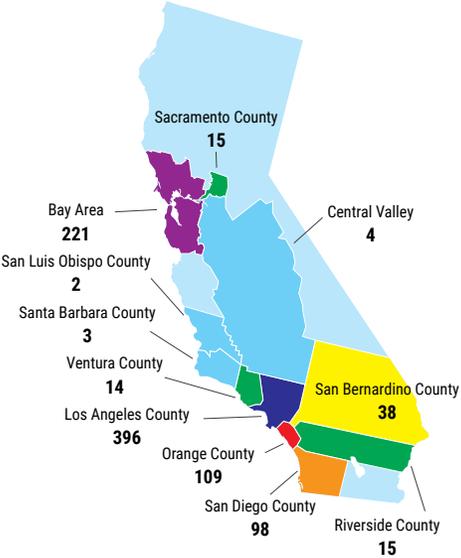
Campus interviews and resume drops

**350+** 

Pharmacy practice sites

# Where Are They Now?

California hosts a large concentration of life science companies in the biotechnology corridor stretching from the Bay Area to San Diego. Many of our graduating students seek careers at these major industry players, yet we also have significant clusters of alumni in the Northwest and Northeast, reflecting the rapid growth of the industry.

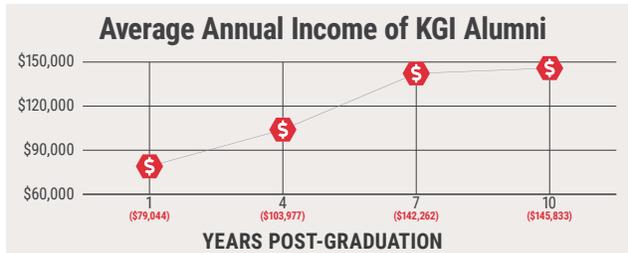




## Outcomes

The healthcare and applied life science industries are unleashing the potential to improve every aspect of our lives while opening up vast new career opportunities for those with both the scientific knowledge and business acumen to become leaders in the field.

Our graduates work in top positions marketing breakthrough drugs, engineering solutions to global health issues, developing innovative approaches to reaching underserved patient populations, and serving as healthcare advocates in community and industry pharmacy settings.



Source: 2019 survey of KGI alumni from the 2003, 2006, 2009, 2012, 2015, and 2018 graduating classes. Of 483 alumni surveyed, 125 responded.

## ★ Top KGI Employers

1. Amgen
2. Gilead Sciences
3. CVS Health
4. Genentech
5. BioMarin Pharmaceutical
6. Kite Pharma
7. Illumina
8. Kaiser Permanente
9. Biocon
10. Regeneron Pharmaceuticals

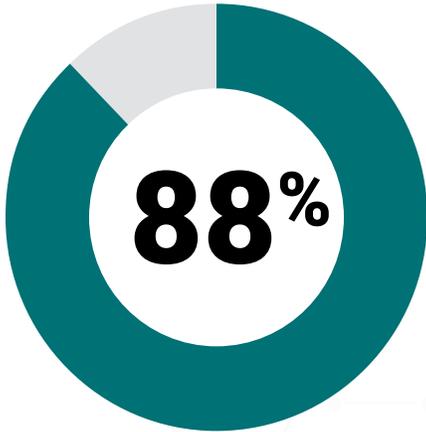
## ★ Top Fellowships

1. ECIR Consultancy
2. Allergan
3. Biogen
4. Sanofi
5. Horizon Pharma

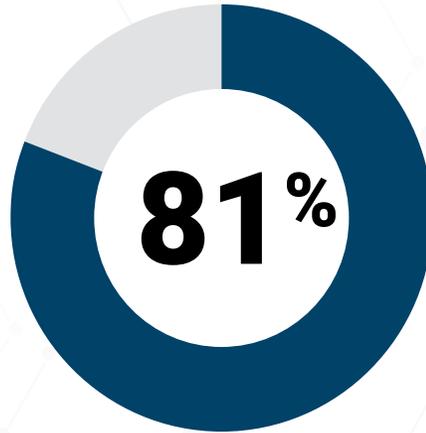
## ★ Top Residencies

1. Greater Lawrence Family Health Center MCPHS University
2. Indian Health Services
3. Kaiser Permanente
4. Pomona Valley Hospital Medical Center
5. Presbyterian Healthcare Services

## Postgraduate Plans



Percentage of students from the Henry E. Riggs School of Applied Life Sciences class of 2019 either employed or had postgraduate study plans.



Percentage of students from the School of Pharmacy and Health Sciences class of 2018 either employed or had postgraduate study plans.

### Pathways

Learn more about innovative career pathways such as:

- Bioprocessing scientist
- Clinical variant curator
- Industry pharmacist
- Market analyst
- And many more!



**DOWNLOAD**  
**KGI'S E-BOOK AT**  
[ebook.kgi.edu](http://ebook.kgi.edu)



*"We prepare our students to be at the forefront of industry, technology, and patient care. With experiential education and unique collaboration with other KGI degree programs, our graduates enter impactful careers."*

*—Dean Martin Zdanowicz*

## People

Facilitated by KGI's unique organizational structure and small, intimate community, faculty engage in interdisciplinary, collaborative research projects and novel teaching approaches just not possible in larger, more traditionally structured institutions.

KGI's dedication to this new model of graduate education and interdisciplinary, translational research continues to attract top-level instructors. At KGI, academic credentials combine with a keen awareness of the industry's latest developments to infuse new ideas and innovation into classrooms and labs.

KGI is dedicated to education and research aimed at translating into practice, for the benefit of society, the power and potential of pharmaceuticals and the life sciences. Research pursued at KGI covers the full spectrum, from the theoretical and fundamental to the applied and world-changing.

### Faculty by-the-numbers



**17** average years  
in industry



**6:1** student to faculty ratio

**KGI is dedicated to interdisciplinary, collaborative, and unparalleled research in:**

- Ambulatory Care
- Bioprocessing and Biotechnology
- Business and Entrepreneurship
- Cardiology and Anticoagulation
- Cardiovascular Devices
- Clinical Trials Study Protocol and Design Research
- Corporate Finance
- Critical Care
- Education and its Assessment
- Fluid/Electrolyte Disorders and Sepsis/Septic Shock
- Forensic Chemistry
- Health Data Analytics and Informatics
- Health Economics
- Human Genetics and Genomics
- Infectious Disease and Immunology
- Mechanisms of Disease
- Medical Diagnostics and Devices
- Medicinal Chemistry
- Neurobiology/Neuropharmacology
- Nutrition Support
- Objective Structured Clinical Examinations
- Pharmacy Informatics and Mental Health Stigma
- Psychopharmacology
- Psychosocial Research
- Student Wellbeing
- Substance Use Disorders
- Systems, Computational, and/or Evolutionary Biology
- Therapy Discovery and Development

## Community

KGI provides the opportunities, connections, and environment to ensure your success as a graduate student. Involvement in KGI's campus activities keeps campus buzzing, connects students to the larger community, and provides a well-rounded student experience. In addition to the plethora of professional development events, Student Government and student organizations offer additional resources, guidance, social networks, and connections. Through these programs, KGI students address contemporary issues and prepare for their future roles in the life sciences and pharmaceutical industries.

## Professional and Professional Hybrid Organizations

In addition to Student Government, there are several student organizations that promote professionalism within the KGI community and help inculcate formal, industry-ready skills into students' academic lives.

## Social Organizations

There are also a number of social/interest clubs open to all students that provide interaction between students and faculty, build community, and enrich the graduate student experience outside of the classroom.

---

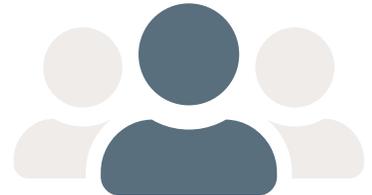
## Student Clubs



Professional | 17



Professional Hybrid | 9



Social | 9



**Looking to make the most of your KGI student experience?  
There are more than 200 on-campus or virtual events each year.  
Visit [kgi.edu/events](https://kgi.edu/events) to see what's happening on campus.**



## Support

The mission of Student Affairs is to support, motivate, and enhance the personal and professional growth of the KGI student community and provides a number of resources to aid in student success.

### Career Services

Career Services provides resources and support to enable KGI students and alumni to secure satisfying internships and careers, and maintains relationships with companies in the healthcare and applied life science industries that generate opportunities for internships, full-time employment, and professional interactions.

### New Student Orientation

First-Year Orientation is just one of the numerous resources available to help students become acclimated and achieve success throughout their time at KGI.

### Student Wellness

KGI has joined JED Campus, a nationwide initiative of The Jed Foundation, to provide a collaborative process of program and policy development with customized support to build upon existing student mental health, substance abuse and suicide prevention efforts. A Wellness Room is available to sit and reflect, pray, practice yoga, or decompress between classes.

### Academic Resource Center

The Academic Resource Center provides workshops, resources, and individualized support for students that are seeking academic help and personal growth. Students can schedule free meetings with peer tutors and participate in our Peer Mentor Program.

### Disability Services

KGI is committed to providing appropriate services and reasonable accommodations to students with disabilities. We are dedicated to helping all graduate students at KGI with the resources they need to achieve academic and personal success.

## Location

The greater Los Angeles and San Diego areas are made up of complex, fascinating, and dynamic communities, and KGI students enjoy full access to the recreation, cultural richness, and beauty of the area. Graduate school is demanding, but KGI students benefit from a wealth of new experiences both in and out of the classroom.

Money magazine ranked Claremont in the top five of its *"America's Best Places to Live."*

With California's large concentration of life sciences companies and our location in the rapidly growing biotechnology corridor from San Francisco to San Diego, your time at KGI will put you in close proximity to major industry players as well as world famous recreation and entertainment. The beautiful city of Claremont is located 35 miles east of Los Angeles, minutes from the mountains, and an hour from the beach, Disneyland, and Joshua Tree National Park.

## Housing

Oasis KGI Commons provides a graduate student-centered apartment community featuring contemporary amenities and a staff dedicated to student success.



The state-of-the-art facility includes an open outdoor plaza, student lounges, a swimming pool, fitness center, BBQ area, 10,000 square feet of classroom space, and the Gayle Carson Riggs Student Center, which provides a space for students to gather, study, and socialize.

Visit [oasisclaremont.com](https://oasisclaremont.com) for more information.



## The Claremont Colleges

KGI students receive immeasurable benefits from our membership in The Claremont Colleges. A group of seven private, highly selective, independent institutions which share a wide range of central facilities and services, The Claremont Colleges have a structure and organization unique in American higher education.



# SOUTHERN CALIFORNIA





## Admissions

**Henry E. Riggs School of Applied Life Sciences**

[admissions@kgi.edu](mailto:admissions@kgi.edu)

**School of Pharmacy and Health Sciences**

[sphs.admissions@kgi.edu](mailto:sphs.admissions@kgi.edu)

**909.607.8590**

[kgi.edu](http://kgi.edu)

Fb

Yt

Tw

Pc

Li

Ig

Fl

[kgi.edu/social](http://kgi.edu/social)

ABOUT KECK GRADUATE INSTITUTE (KGI)

KGI, A MEMBER OF THE CLAREMONT COLLEGES, IS A RECOGNIZED LEADER IN BIOTECHNOLOGY AND HEALTHCARE EDUCATION. KGI OFFERS INNOVATIVE POSTGRADUATE DEGREES AND CERTIFICATES THAT INTEGRATE LIFE AND HEALTH SCIENCES, BUSINESS, PHARMACY, ENGINEERING, AND GENETICS, WITH A FOCUS ON INDUSTRY PROJECTS, HANDS-ON INDUSTRY EXPERIENCES, AND TEAM COLLABORATION.

WITH AN ENTREPRENEURIAL APPROACH AND INDUSTRY CONNECTIONS, KGI PROVIDES PATHWAYS FOR STUDENTS TO BECOME LEADERS WITHIN HEALTHCARE AND THE APPLIED LIFE SCIENCES. KGI CONSISTS OF FOUR SCHOOLS: HENRY E. RIGGS SCHOOL OF APPLIED LIFE SCIENCES, SCHOOL OF MEDICINE, SCHOOL OF PHARMACY AND HEALTH SCIENCES, AND THE MINERVA SCHOOLS AT KGI.

©2021 KECK GRADUATE INSTITUTE