



ANNUAL REPORT  
2008-2009



KECK GRADUATE INSTITUTE  
*of Applied Life Sciences*

# MESSAGE

## From the President and Chair of the Board



SHELDON M. SCHUSTER



ROBERT E. CURRY

### A SYNERGISTIC RELATIONSHIP

This past year marked another key phase of development at KGI. Building on the education innovations of our founders, we explored new education and research opportunities that will offer students fascinating learning opportunities while addressing compelling health issues. Most significantly, we accomplished this while continuing to build our MBS program — the entering class in fall 2009 is our largest ever. Our program growth helps pave the way for an ever-stronger KGI, even deeper interdisciplinary collaboration toward treatments and therapies, and new generations of professionals adept in both life sciences and business, poised to lead the field in directions not yet envisioned.

Two of our new initiatives, the Center for Rare Disease Therapies and the Center for Biomarker Research, benefit from our faculty's unique blend of impressive academic credentials and keen understanding of industry. This year we were delighted to welcome longtime Beckman Coulter executive James Osborne to our faculty. He brings a biotechnology company perspective to his role as director of KGI's new Center for Biomarker Research, which is off to a strong start under his leadership.

Partnering with government agencies, nonprofits and biotech companies, the Center is investigating new biomarkers for rare and other diseases that currently are difficult to diagnose.

In addition, thanks to the generosity of Beckman Coulter Foundation, the Center unveiled its new good laboratory practices (GLP) facility, which meets the Food and Drug Administration's stringent standards. Through their work at the Center, KGI students will gain valuable hands-on experience in quality assurance, assay validation and regulatory compliance — areas not commonly addressed in academic settings. The Center for Biomarker Research has a strong confluence of interest with KGI's Center for Rare Disease Therapies, led by Dr. Ian Phillips, which was established to increase awareness and available treatments for those suffering from a rare disease — defined as affecting fewer than 200,000 people in the United States. Because of their low incidence, rare diseases are difficult to detect, currently with an average diagnosis time of eight years. More than 25 million Americans suffer from such afflictions and, of the 7,000 diseases

classified as rare, only 324 have treatments — some of which are woefully inadequate. The opportunity and the need are enormous.

With these new centers, KGI faculty and staff will play an important role in potential breakthroughs for some of the most challenging issues in the life sciences. But, as we know, none of KGI's leading-edge work would be possible without the visionary philanthropy of our supporters. The \$20 million challenge grant made by the W. M. Keck Foundation in 2005 remains a cornerstone of our growth. This special seven-year grant challenging KGI to raise an additional \$30 million has boosted our fundraising efforts significantly. Generous donors have made gifts and pledges totaling more than \$27.5 million, helping us reach 93% of our goal and enabling us to invest in talented students and innovative programs.

While this annual report highlights many generous contributors, we would like to thank KGI founding Board Chair Sidney J. "Jim" Weinberg Jr., in particular, for his dedication and support in KGI's formative years. His \$2.5 million challenge grant helped create 10 new endowed scholarships for KGI Master of Bioscience (MBS) students.

Looking to the future, our aim is to continue to innovate and invest in people and programs deserving of your support. We remain committed to delivering on our educational mission and contributing to life science industries that hold so much promise for health advances and economic growth. Thanks to your contributions, we know KGI's contributions will continue to grow as well.

Sheldon M. Schuster  
President

Robert E. Curry  
Chair of the Board

COVER ART:  
Mesenchymal stem cells  
under research by  
Dr. M. Ian Phillips, director  
of KGI's Center for  
Rare Disease Therapies.

# CONTRIBUTORS

## Pioneer Fund 2008-2009

In the fiscal year ending June 30, 2009, contributions to the Pioneer Fund (KGI's annual fund) totaled more than \$700,000. We are delighted to acknowledge all of the donors whose generosity has helped further KGI's mission to educate the future leaders of the applied life sciences.

### **FOUNDER'S CIRCLE** **(\$25,000 and above)**

Astellas USA Foundation  
Ernest A. Bates  
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Tony and Hallie Caracciolo  
Marsh A. Cooper  
Robert E. and Winifred B. Curry  
Foundation  
Robert Day  
Dennis and Linda Fenton  
Jay Flatley  
Genentech Foundation  
Thomas H. Lee  
John and Sandra Leland  
Sidney J. Weinberg, Jr.

### **PRESIDENT'S CIRCLE** **(\$10,000 to \$24,999)**

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Richard McConnell  
Ralph M. Parsons Foundation  
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### **LEADERSHIP CIRCLE** **(\$5,000 to \$9,999)**

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Don O'Neal  
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Sheldon Schuster  
Jack and Jil Stark

### **PIONEER** **(\$1,000 to \$4,999)**

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Amgen Foundation  
Baltimore Family Fund  
Beckman Coulter Foundation  
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David Flores [MBS '02]  
Weaver Gaines  
Ross Grossman  
Kerry Howell  
Kenneth Livak  
Alan Mendelson  
Sud Patwardhan [Parent '09]  
M. Ian Phillips  
Prudential Foundation  
Anthony Russo  
Jim Sterling and Shenda Baker

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Sun Microsystems, Inc.  
Samuel Tsai [Parent '08]  
Diana Walker  
David Whiteley  
James Widergren

### **PATRON** **(\$500 to \$999)**

AT&T Foundation  
Paul Chung-C and Ching-Li Chang  
[Parent '07]  
Marc and Jean Doble [MBS '02]  
Robert and Bette Finnigan  
Sean Gallagher  
Barton and Caroline Haynes  
[Parent '10]  
Dennis Huang  
Roger and Lynda Marchetti  
Anna Suer and Bruce Pavlik  
[Parent '09]  
Mercedes Talley

### **FELLOW** **(\$250 to \$499)**

Padma Arunachalam [MBS '05]  
Robert Caragher  
Phil and Viveca Chan [Parent '10]  
Xi Deng [MBS '06]  
Joshua Der [MBS '02]  
Sandeep Inamadar [MBS '02]  
Matt Reed  
Molly Schmid  
Merlene and Brandon Singleton  
Tom Smart  
Hans Smith [MBS '09]

## Pioneer Fund 2008-2009 *continued*

Hun Sunwoo [Parent '04]  
Jane Tirrell  
Brad and Ellen Wigglesworth  
Bruce and Susan Worster

### **ASSOCIATE (\$100 to \$249)**

Sandy Auyoung [MBS '02]  
Tilak Baviskar [MBS '05]  
Noel Brinkerhoff and Alyson Mead  
Magelen Bryant  
Daniel Byrd  
Linda Castle  
Anders Chan [MBS '09]  
Stephen Chang [MBS '08]  
Shu and Kuang-Chung Chien  
Thomas DiRocco [MBS '09]  
Jane Esselman [Parent '10]  
Brian Feth [MBS '05]  
Ryan Frank  
Don Freeberg  
Gannett Foundation  
Tom Garrow  
Jeffrey Graybill [MBS '02]  
Tian Han  
Alisa Hewitt [MBS '05]  
Gretchen Hoenecke  
Laurence Hoffman  
Hutch Humphreys [MBS '03]  
Johnson & Johnson  
Susan Kibbee [Parent '10]  
Laura Kim-Park [MBS '03]  
Laura and Don Kubec  
Carol P. Lee [Parent '10]  
Frances and James Lehman  
Thomas Lester [MBS '04]  
Courtney Libey  
Helen Liu [MBS '07]  
Melissa Louie [MBS '05]  
John Maguire  
Brenda Mann  
John McNamara [MBS '07]  
Helen Melman [Parent '07]  
Adam Miller [MBS '07]  
Ali Nadim  
Anthony O'Keefe  
James and Arzu Osborne

Joe and Jean Platt  
Charles and Sandy Raasch  
[Parent '09]  
Jeff Rosenbloom [MBS '09]  
Mary Rosenbloom [Parent '09]  
James D. Rozzell  
David Sadava  
Kathrin Schrick  
Joshua Seno [MBS '02]  
Kerryann Shemeley [MBS '07]  
Thomas Storey [MBS '03]  
Brian Sullivan  
Kiirsten Suurkask [MBS '04]  
Gary and Karen Tapella  
[Parent '07]  
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Phyllis Vandeventer [Parent '08]  
John Verbrugge [Parent '10]  
Patricia Wilson [Parent '09]  
Lois Yunghans [Parent '10]

### **FRIEND (\$1 to \$99)**

Heather Anderson  
Samuel Angamah [MBS '09]  
Faustine Appavoo [MBS '09]  
Gail Baura  
Mondana Behroozi [MBS '09]  
Sebastien Basseur [MBS '09]  
Cathleen Brown  
Ambereen Burhanuddin [MBS '04]  
Salvador Carlucci [MBS '04]  
Steve Casper  
Sunney Chan  
Sha Chang [MBS '09]  
Melanie Clairry [MBS '06]  
Paulina Datsova [MBS '06]  
Krishnalekha Datta [MBS '09]  
Andrew Daugherty [MBS '09]  
Maria Deftereos [MBS '03]  
Barbara Erwin  
Randy Farley  
Deborah Flynn  
Erwin and Simha Freund  
[Parent '07 ]  
David Fryd [Parent '10]  
Michael Goldman  
Lauren and Bryan Habib-Cutler  
[MBS '03]

Kevin Hambly [MBS '02]  
Justin Hsiao [MBS '07]  
Aanchal Kamra [MBS '09]  
Sarah Koo [MBS '09]  
Danny Kuo [MBS '09]  
Allen Lee [MBS '09]  
Sofia Loaiza  
Mark Lu [MBS '09]  
Tiffany McAninch [MBS '02]  
Rachel Melman [MBS '07]  
Rachel Mullen [MBS '09]  
Candace Olfati (Rhoads) [MBS '09]  
Kaushal Parikh [MBS '09]  
Ben Pavlik [MBS '09]  
William Raasch [MBS '09]  
James Rankin [MBS '09]  
William Roberts  
Kristina Roskos [MBS '09]  
Cheryl Salment [MBS '04]  
Briana Schuetz [MBS '08]  
Leonore and Greg Schuetz  
[Parent '08]  
Louis Shamel [MBS '09]  
Jenny Sheng [MBS '09]  
Nicole Sindy [MBS '09]  
Robert Sindy [Parent '09]  
Charlton Smith [MBS '09]  
Mary and Alan Smith [Parent '09]  
Tanya Stevens [MBS '09]  
Laura Sturr  
Ranjani Sundharam [MBS '09]  
Eric Tan [PhD '08]  
Julie Valdes [MBS '09]  
Raghavan Vasudevan [MBS '09]  
Cyrus Virdeh [MBS '09]  
Vidya Viswanathan [MBS '05]  
Mason and Janet Warner  
[Parent '08]  
Eric Wilson [MBS '09]  
Wyeth Pharmaceuticals  
Kirsti Zitar [MBS '02]

### **TRIBUTE GIFTS**

Adam Gross [MBS '07]  
Center for Biomarker Research  
*In memory of Wallace H.  
Coulter and Joseph R. Coulter*

# PROFILE

## Jim Weinberg: Always There for KGI

**BACK WHEN KECK GRADUATE INSTITUTE WAS A BLANK SLATE**—just an idea to revolutionize the life sciences—Sidney J. “Jim” Weinberg Jr. was there.

As the first chair of the board of trustees, Weinberg shepherded KGI through a challenging period. Intrigued by an evolving industry, Weinberg and Henry E. “Hank” Riggs, past president of Harvey Mudd College, launched a top-notch academic institution dedicated to translating scientific discovery into practical benefits for society.

More than a decade later, Weinberg’s official title at KGI is board chair emeritus, but he remains a guiding voice on campus, particularly in his area of expertise: investment policy. A senior director for Goldman Sachs Group Inc., Weinberg recognized early on that an endowment would be essential to KGI’s long-term security.

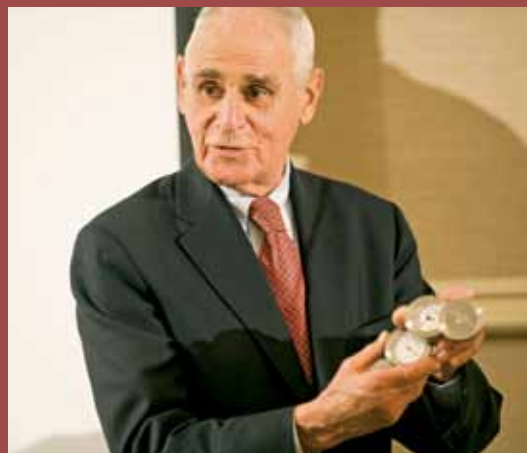
In 1999, he initiated the Weinberg Challenge, a \$2.5 million fund to encourage other donors to create 10 new endowed fellowships at KGI. Weinberg generously offered naming rights to each donor who gave \$250,000 or more to establish an endowed fellowship. By matching their gifts 1:1, he helped KGI to establish endowed fellowships totaling more than \$5 million. The 10th and final endowed fellowship will be funded with a bequest gift from H. Victor Hansen, an alumnus of KGI’s sister institutions, Pomona College and Claremont Graduate University, and a local farmer who knew Riggs when he founded KGI in 1997.

KGI is committed to building its endowment to at least \$50 million by 2011, helped by a \$20 million matching grant awarded in 2005 by the W. M. Keck Foundation. Weinberg, a member of KGI’s investment committee, helps steward the fundraising effort along with fellow board members.

“Jim is thoughtful, quiet, extremely smart and really understands people,” said President Sheldon M. Schuster.

“Essentially, when someone is saying they’ll match your donation, that’s a strong endorsement,” he added. “Jim’s ability to see opportunities and potential is unparalleled.”

Weinberg is the son of the late Sidney James Weinberg, nicknamed “Mr. Wall Street,” who started as a \$3-a-week janitor’s assistant at Goldman Sachs and worked his way up to CEO.



JIM WEINBERG ACCEPTS A GIFT AT THE INAUGURAL FELLOWSHIP DINNER.

Jim Weinberg has applied that same tenacity to advancing science education.

Along with the Weinberg Challenge, he is establishing a new permanent professorship: the Sidney J. Weinberg Jr. Professor of Applied Life Sciences. Annual distributions from the endowed fund will support the teaching, research, services and activities of the chair holder, a meaningful addition to KGI’s academic program.

“This gift is about laying the groundwork for the future of the life sciences,” Weinberg said when the professorship was announced in 2005. “I think Keck Graduate Institute has an important role to play in making all of our lives healthier and safer. I am proud to be a part of KGI’s early history, and I am glad to support this next phase of KGI’s development as an institution.”

Weinberg remains an active volunteer, serving as trustee emeritus of Scripps College, life trustee of New York-Presbyterian Hospital, and senior trustee of the Carnegie Institution of Washington. He also holds appointments as honorary trustee of the Woods Hole Oceanographic Institution, honorary trustee of the Committee for Economic Development in New York City, and fellow of the American Academy of Arts and Sciences.

“He’s the kind of guy everybody wants to be their best friend,” said Schuster. “He is just an incredible person.”

*By Margie Fishman*

# EVENT

## First Fellowship Dinner



JIM WEINBERG ACCEPTS A GIFT FROM KGI SCHOLARSHIP RECIPIENTS. (L TO R): REBECCA GOLDBERG, THOMAS DIROCCO, KRISHNALEKHA DATTA, CYRUS VIRDEH, WILLIAM RAASCH, JIM WEINBERG, HANS SMITH, RACHEL MULLEN, CANDACE RHOADS-OLFATI, AND LOUIS SHAMEL.

**KEY DONORS AND THE STUDENTS THEY HAVE SUPPORTED** over the years gathered on Dec. 3, 2009, at KGI's inaugural fellowship dinner. Hosted at KGI with the generous support of Bristol-Myers Squibb, the event served to honor KGI co-founder and board chairman emeritus Sidney J. "Jim" Weinberg Jr. and other important benefactors, including the W. M. Keck Foundation, Genentech and the Rose Hills Foundation.

“There is no more important thing to do than help young people gain an education and make an important contribution to the world.”

—JIM WEINBERG

Individuals, foundations and corporate friends sustain KGI's fellowship program, allowing KGI to award about \$1.5 million in financial aid to deserving students each year. Their unflagging support allows KGI to attract and retain top students from around the world who go on to become catalysts for life-changing technologies.

“In these tough economic times, an event that brings together donors and fellowship recipients is especially meaningful,” said Kerry Howell, KGI's vice president for advancement. “Everyone is more keenly aware of the tangible impact made through fellowship support. It's inspiring.”

Weinberg, who received an honorary Doctorate of Applied Life Sciences from KGI in 2007 and was instrumental in building KGI's fellowship program, received special recognition at the event. He is a senior director for Goldman Sachs Group Inc., serving the iconic investment bank for more than four decades.

“Jim is a man of absolute integrity and honesty,” noted Jack Stark, vice chair of KGI's Board of Trustees and president emeritus of Claremont McKenna College.

Weinberg's gift of \$2.5 million in 1999 established the Weinberg Challenge, spurring other donors to create 10 new endowed scholarships at KGI. The fund has matched dollar-for-dollar every \$250,000 gift leading to the establishment of the 10 scholarships.

*By Margie Fishman*

# CONTRIBUTORS

## Fellowships and Professorships

The following contributors have made gifts to establish endowments, significant fellowships, or special programs that benefited KGI in 2008-2009.



**Daniel Bradbury**  
Bradbury Endowed  
Scholarship Fund



**Dennis and Linda Fenton**  
Dennis and Linda Fenton  
Founders Circle Fellowship  
and George B. and Joy  
Rathmann Professorship

### FELLOWSHIP CONTRIBUTORS

#### **Annenberg Foundation**

Annenberg Foundation Endowed Scholarship Fund

#### **Astellas USA Foundation**

Astellas USA Foundation Scholarship Fund

#### **Ernest A. Bates Family Foundation**

Bates Scholars

#### **The Baltimore Family Fund**

Bonnie Busenberg Endowed Scholarship Fund

#### **Beckman Coulter Foundation**

Beckman Coulter Foundation Fellowship

#### **Bristol-Myers Squibb Foundation**

Bristol-Myers Squibb Foundation Founders  
Circle Fellowship

#### **Catherine Burzik**

Catherine and Francis Burzik Founders Circle Fellowship

#### **Tony and Hallie Caracciolo**

Anthony and Hallie Caracciolo Founders Circle Fellowship

#### **Marsh A. Cooper**

Bonnie Busenberg Endowed Scholarship Fund

#### **Robert and Winifred Curry**

Robert and Winifred Curry Endowed Scholarship Fund  
Robert and Winifred Curry Founders Circle Fellowship

#### **Mr. and Mrs. Robert Day**

Robert A. Day Endowed Scholarship Fund

#### **Jay Flatley**

Jay Flatley Founders Circle Fellowship

#### **The Fletcher Jones Foundation**

The Fletcher Jones Endowed Scholarship Fund

#### **Genentech Foundation**

Genentech Foundation Fellowship

#### **William Randolph Hearst Foundation**

William Randolph Hearst Foundation Endowed  
Scholarship Fund

#### **Thomas H. Lee**

Thomas H. Lee Founders Circle Fellowship

#### **John and Sandra Leland**

John and Sandra Leland Endowed Scholarship Fund  
John and Sandra Leland Founders Circle Fellowship

#### **George H. Mayr Foundation**

George H. Mayr Foundation Endowed Scholarship Fund

#### **The Ann Peppers Foundation**

Ann Peppers Foundation Endowed Scholarship Fund

#### **Pioneer Hi-Bred International, Inc.**

Pioneer Hi-Bred Endowed Scholarship Fund

#### **Arthur D. Riggs**

Bonnie Busenberg Endowed Scholarship Fund

#### **Hank and Gayle Riggs**

Riggs/Carson Endowed Scholarship Fund

#### **The Rockefeller Foundation**

Bonnie Busenberg Endowed Scholarship Fund

#### **Rose Hills Foundation**

Rose Hills Foundation Science and  
Engineering Scholarship

#### **Sheldon M. Schuster**

Bonnie Busenberg Endowed Scholarship Fund

#### **Diana Walker**

Bonnie Busenberg Endowed Scholarship Fund

#### **Sidney J. Weinberg, Jr. Foundation**

Sidney J. Weinberg, Jr. Foundation Endowed Scholarship  
Matching Challenge Fund

### PROFESSORSHIP CONTRIBUTORS

#### **The Kenneth T. and Eileen L. Norris Foundation**

The Kenneth T. and Eileen L. Norris Professor of  
Applied Life Sciences

#### **Doug and Shawn Mackenzie**

Robert E. Finnigan Professor of Applied Life Sciences

#### **Stanford N. Phelps**

Henry E. Riggs Professor of Management

#### **Joe and Vi Jacobs**

Joe and Vi Jacobs Visiting Professorship

#### **Sidney J. Weinberg, Jr.**

Sidney J. Weinberg, Jr. Professor of  
Applied Life Sciences

# CLASS GIFT

## Graduates Leave Behind a Practical Memento

### CONTRIBUTING STUDENTS

Samuel Angamah  
Faustine Appavoo  
Mondana Behroozi  
Sebastien Brasseur  
Anders Chan  
Sha Chang  
Krishnalekha Datta  
Andrew Daugherty  
Thomas DiRocco  
Aanchal Kamra  
Sarah Koo  
Danny Kuo  
Allen Lee  
Mark Lu  
Rachel Mullen  
Candace Olfati (Rhoads)  
Kaushal Parikh  
Ben Pavlik  
William Raasch  
James Rankin  
Jeffrey Rosenbloom  
Kristina Roskos  
Louis Shamel  
Jenny Sheng  
Nicole Sindy  
Charlton Smith  
Hans Smith  
Tanya Stevens  
Ranjani Sundharam  
Julie Valdes  
Raghavan Vasudevan  
Cyrus Virdeh  
Eric Wilson



PRESIDENT SHELDON SCHUSTER AND BOARD CHAIRMAN ROBERT CURRY WITH CLASS OF 2009.

### CLASS OF 2009 LEGACY GIFT

Having heard the concerns from faculty and students, the pragmatic members of the Class of 2009 decided to give KGI a new addition to its vital 517 Lecture Hall: sliding whiteboards. With the room serving multiple and important functions, hosting everything from classes to special events and ceremonies, the '09 group of Master of Bioscience (MBS) graduates felt it was time to “upgrade” the Lecture Hall with the versatile whiteboards.

“We wanted to provide something that faculty and future generations of students can use every day,” said alum Mondana Behroozi, chair of the class gift.

The process of selecting what type of gift to present began with suggestions from the '09 class. After narrowing the suggestions down, the final decision was put to a vote by the students.

“The new sliding whiteboards will help KGI faculty create a more dynamic and free flowing teaching environment,” said Steven Casper, KGI’s Henry E. Riggs Professor of Management and director of the MBS program. “Having access to multiple whiteboards is particularly important with case-based teaching, and will improve the effectiveness of our management courses. The KGI faculty thanks the Class of 2009 for their thoughtful and useful gift.”

In addition to the sliding whiteboards, the Class of 2009 continued the tradition of leaving behind a legacy quote. “In science the credit goes to the man who convinces the world, not to the man to whom the idea first occurred,” by Sir William Osler. The class quote, embossed on a brass plaque, was placed on the Alumni Path located on the Alumni Patio.

*By Rachele Fryd*



# COMMENCEMENT 2009

## Honoring Those Who Give Back



PHOTOS (L TO R):  
HUONG DI ROCCO  
AND PRESIDENT  
SHELDON SCHUSTER,  
MYRTLE POTTER,  
STAN PHELPS AND  
RYAN PEELER

Commencement in May 2009 was a time not only to honor another class of Master of Bioscience graduates, but also to recognize trustee Stanford N. Phelps, alumnus Ryan Peeler (MBS '07), and parent Huong DiRocco for their significant contributions to Keck Graduate Institute.

An important theme of the ceremony was giving back. It was discussed by keynote speaker Myrtle Potter, a longtime life-science industry executive and now consultant, who talked about the importance of remembering one's roots, maintaining integrity, and being passionate about endeavors. The former president and chief operating officer of Genentech challenged the graduates to dream big, work hard and "trust your gut."

“Your instinct about a business problem or your instincts about a situation are as meaningful and powerful as your academic and analytic prowess.”

—MYRTLE POTTER

Phelps, a trustee for seven years until becoming emeritus in 2008, received an honorary degree in recognition of his service and support of KGI. He established KGI's first endowed business professorship, the Henry E. Riggs Professor of Management, and has been an important benefactor of student scholarships for MBS students.

His company, Clear Springs LLC, is a regular sponsor of KGI's Team Masters Projects, which

allow students to tackle complex, real-world problems encountered by private companies.

Peeler, who mentors students and works with several charities in Orange County, was chosen to deliver the alumni address in recognition of his volunteerism.

“Every time you get to involve yourself in someone else's life in a substantial way, the world you used to occupy gets a little smaller and less important,” says Peeler. “I've found it is impossible to help someone without growing in some way.”

Currently, Peeler works for Lnx Research, a small technology company that uses social network analysis to identify thought leaders for pharmaceutical, biotech and medical device clients. “The work we're doing has never been done before, and our clients love it. I find it to be really satisfying because I get to solve unique problems every day,” Peeler said.

DiRocco, mother of Thomas DiRocco (MBS '09), was honored for helping to raise more than \$7,000 from current and past parents of KGI students as parent chair of the Annual Fund.

Merlene Singleton, director of the Annual Fund and alumni relations, said, “Huong DiRocco is an excellent example of how to be involved as a parent at KGI. She enthusiastically accepted the position of parent chair for the Annual Fund, writing sincere, heartfelt letters to parents asking them to join her in supporting the advancement of KGI. We thank and recognize Huong as a parent volunteer, and also thank both Don [her husband] and Huong for their financial support of KGI.”

*By Elaine Regus*

# SUPPORTERS

## Corporations and Foundations 2008-2009

Corporations and foundations annually support KGI with gifts for special programs or investments in the future to establish a permanent endowment. The following supporters contributed to KGI during FY 2008-2009.

### FOUNDATION SUPPORTERS

**Allergan Foundation**

Pioneer Fund

**American Heart Association**

American Heart Association  
New Investigator Award

**Amgen Foundation**

Pioneer Fund  
Matching Gifts for Marc Doble ('02),  
Sandeep Inamdar ('03), Thomas  
Storey ('03) and David Whitely

**Ann Peppers Foundation**

Pioneer Fund

**Astellas USA Foundation**

Pioneer Fund

**AT&T Foundation**

Pioneer Fund  
Matching gift for Donald and  
Huong DiRocco (P'09)

**Baldeschwieler Foundation**

Pioneer Fund

**Baltimore Family Fund**

Pioneer Fund

**Beckman Coulter Foundation**

Center for Biomarker Research  
Pioneer Fund  
Matching Gifts for Adam Gross ('03)  
and James Widergren

**Bristol-Myers Squibb Foundation**

Bristol-Myers Squibb Scholarship

**Cole-Belin Foundation**

Pioneer Fund

**Cornelius Family Foundation**

Pioneer Fund

**Ernest A. Bates Family Foundation**

Bates Scholars

**Robert E. and Winifred B. Curry  
Family Foundation**

Pioneer Fund

**Gannett Foundation**

Pioneer Fund  
Matching gifts for Charles and  
Sandy Raasch (P'09)

**Genentech Foundation**

Pioneer Fund

**John Randolph Haynes and  
Dora Haynes Foundation**

Biotechnology Cluster  
Research Study

**John and Sandra Leland Foundation**

Pioneer Fund

**Kenneth T. and  
Eileen L. Norris Foundation**

Center for Rare Disease Therapies

**Ralph M. Parsons Foundation**

Pioneer Fund

**Prudential Foundation**

Pioneer Fund  
Matching gift for Ross Grossman

**Rose Hills Foundation**

Rose Hills Scholarship

**Sidney J. Weinberg, Jr. Foundation**

The Sidney J. Weinberg, Jr.  
Foundation Endowed Scholarship  
Matching Challenge Fund  
Joint Sciences Initiative  
Pioneer Fund

**Steve and Bonnie Anderson  
Gift Foundation**

Pioneer Fund

**W. M. Keck Foundation**

Matching Grant for Operations  
and Endowment  
Marsh A. Cooper Laboratory  
of Bioengineering  
Pioneer Fund

### CORPORATE SUPPORTERS

**Aetna**

Pioneer Fund  
Matching Gifts for Alan Mendelson

**Bristol-Myers Squibb Company**

Inaugural Scholarship  
Dinner Sponsor

**Capital Group Companies**

Pioneer Fund  
Matching Gifts for Don O'Neal  
and Hank Riggs

**Gilead Sciences**

Pioneer Fund

**Johnson & Johnson**

Pioneer Fund  
Matching Gift for Laura Kim-Park ('03)

**Orange County Technology Action  
Network (OCTANe)**

Conferences

**Pharmaceutical Research and  
Manufacturers of America (PhRMA)**

Center for Rare Disease Therapies

**Sun Microsystems, Inc.**

Pioneer Fund  
Matching Gift for Samuel Tsai (P'08)

**Wyeth**

Pioneer Fund  
Matching Gift for Kerryann  
Shemeley ('07)

### OTHER ORGANIZATIONS

**University of Cambridge**

Statistics of Information Acquisition  
in Darwinian Evolution

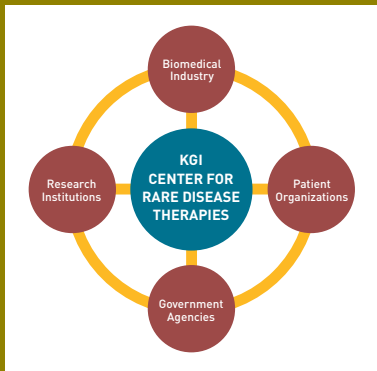
# CONTRIBUTOR SPOTLIGHT

## Norris Foundation Supports Rare Disease Center

**THANKS IN LARGE PART TO A \$250,000 GRANT** from the Kenneth T. and Eileen L. Norris Foundation, Keck Graduate Institute was able to launch in 2008 the Center for Rare Disease Therapies and its mission of increasing awareness and treatment for those suffering from rare diseases. The Norris Foundation remains one of KGI's earliest and most generous supporters, providing a total of \$2.55 million in grants since the school's inception.

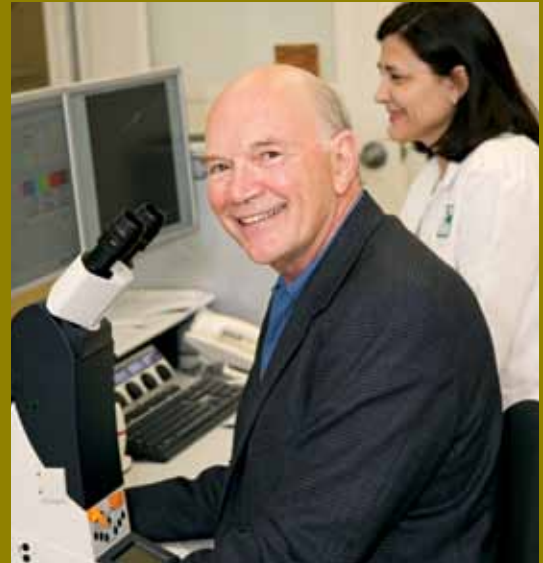
A rare disease is defined as afflicting less than 200,000 people in the United States. In total, more than 25 million Americans have been diagnosed with a rare disease. Some 7,000 diseases are classified as rare, yet only 324 of those have FDA-approved medical treatments.

"Our ultimate goal is to increase the number of therapies available to these patients," says M. Ian Phillips, PhD, DSc, FAHA, the center's director and Norris Professor of Applied Life Sciences at KGI.



The center partners with government agencies, the pharmaceutical industry, patient advocacy groups, nonprofits and academic researchers. It not only seeks to increase awareness of rare diseases and their impact, but also to revive promising therapies not brought to market, to promote the search for new therapies and help identify those with the most promise, to document the prevalence of rare diseases, and to train a workforce prepared to find solutions for treating rare diseases.

A key component of the center's efforts is an internship program that provides KGI Master of Bioscience (MBS) students with invaluable field experience at organizations such as the FDA Office of Orphan Products Development (OOPD) and the Pharmaceutical Research and Manufacturers of America (PhRMA). The OOPD administers the major provisions of the Orphan Drug Act, enacted in 1983 to provide incentives for companies to develop products to treat rare diseases. PhRMA represents the country's leading pharmaceutical and biotechnology companies, advocating for public policies



PROFESSOR M. IAN PHILLIPS

that encourage discovery of new medications. "The visionary support of the Norris Foundation is invaluable in educating KGI students in rare diseases and helping expand opportunities for new therapies in industry," Phillips said. "As holder of an endowed professorship established by the Norris Foundation, I am especially grateful for the foundation's continuing investment in KGI."

Founded in 1963 by the late Kenneth T. Norris, Sr., founder of Norris Industries, and his late wife, Eileen Norris, the foundation has supported a wide range of medical, educational, cultural and civic organizations in Southern California. In addition to the foundation's longtime philanthropic support of KGI, foundation trustee Harlyne Norris serves as an emerita member of KGI's Board of Trustees.

"KGI's mission of education and research in the life sciences—with its focus on direct benefit to society—aligns strongly with the Norris Foundation's philanthropic vision," says Ronald R. Barnes, executive director and trustee of the foundation. "The Norris Foundation is pleased to support Dr. Phillips and the important work of the Center for Rare Disease Therapies at KGI."

*By Susan Wampler*

# ADVISORY COUNCIL

Industry Leaders Providing Vision

The Advisory Council provides industry insight, marketplace feedback, and support for KGI's corporate outreach. The council includes leaders from biotech, pharmaceutical, medical device, and bioagricultural companies.

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# ALUMNI SPOTLIGHT

## First Doctoral Alum: Eric Tan



ERIC TAN AND ANGELIKA NIEMZ

The son of an engineer father and physicist mother, it is no surprise that Eric Tan had the aptitude, and interest, to become Keck Graduate Institute's first PhD graduate and pursue a career in science.

A native of Southern California, Tan received a B.S. in mechanical engineering and a B.S. in biology from Stanford University in 2002. "I have always enjoyed mechanical things, and I wanted to apply that knowledge to the life sciences," says the 30-year-old Tan.

“The MBS refined my interests, and I realized I was more interested in biological devices than in simply doing lab work.”

—ERIC TAN

Unsure of how to combine those interests, Tan was in the midst of applying to both law school and medical school when he received an informational postcard from KGI. "Along with my interest in science, I've always been interested in business as well," says Tan. Piqued by KGI's curriculum, Tan visited the campus, and eventually was accepted into the Master of Bioscience (MBS) program.

After receiving his MBS degree, he was looking into doctoral programs when Greg Dewey, the Robert E. Finnigan Professor of Applied Life Sciences, mentioned that KGI was launching its own PhD

program. Tan became the first student in KGI's MBS-PhD program, studying under Associate Professor Angelika Niemz.

In 2008, Tan received his PhD in Applied Life Sciences, specializing in the development of rapid, isothermal assays for nucleic acid-based infectious diseases testing. The technology is part of a small handheld device that Niemz and other KGI faculty are developing to make diagnosing diseases faster, more reliable and mobile—so that testing can be done in the field instead of just remote laboratories.

As if working on his doctoral thesis wasn't enough to keep him busy, Tan spent his evenings completing an MBA from the Peter F. Drucker and Masatoshi Ito Graduate School of Management at Claremont Graduate University.

"I have a lot of respect for Eric," says Niemz. "He was a star student. When he's into something, he's very serious, very focused, and has a lot of stamina. When we'd all have gone home, he'd still be there."

According to Niemz, Tan's research was largely responsible for a \$2.4 million multi-investigator NIH grant awarded to her and others.

Today, Tan works for San Antonio-based Kinetic Concepts, Inc., developer of wound-healing therapies, where he is a Concept Manager in New Product Development, responsible for early-stage project management and assessing the technical and business feasibility of new product ideas.

"Every day I'm using every bit of what I learned at KGI," says Tan, adding that in the course of just one meeting he'll have to "switch on the fly" from discussing the medical applications of devices in development to their feasibility from a business standpoint. "An important part of the KGI program is teaching us how to quickly adapt to different scenarios," he says.

Tan is finding life in Texas an enjoyable experience. He spends his free time—"There actually is free time on weekends when you're not a student"—exploring his new hometown, tinkering on cars, and pursuing his musical interests. Having played the piano since he was 6 years old, Tan often performed at KGI events, including the commencement ceremony at which he was honored as KGI's first PhD graduate.

*By Carol Sorgen*

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*Emeritus Professor of Medicine  
& Public Policy  
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# TRUSTEES

## New KGI Board Members

Keck Graduate Institute welcomed two new members to its Board of Trustees in 2008-09, bringing the total to 22 regular members and 12 trustees emeriti. The newest board members—Bonnie Anderson and Mark P. Stevenson—join a distinguished group of leaders in industry, education and government that has guided KGI on the path to preeminence since the board was established in 1997. Their expertise in personalized medicine and biotechnology tools will only serve to enhance KGI's reputation as an educational leader in the life sciences.



**BONNIE ANDERSON**  
CEO and co-founder  
Veracyte Inc.  
Elected December 2008

Bonnie Anderson was a member of the KGI Advisory Council for six years before being elected to the board in December 2008. She is CEO and co-founder of Veracyte Inc., a molecular diagnostics company addressing emerging opportunities in personalized medicine. Prior to founding Veracyte, Anderson worked for Beckman Coulter, Inc., as vice president of the Translational Solutions Business Center, vice president-director of the immunomics operations and director of strategic planning and marketing for the company's Miami, Florida, site.



**MARK P. STEVENSON**  
President and COO  
Life Technologies  
Elected June 2009

Mark P. Stevenson brings 20 years of experience in sales, marketing and international executive management to KGI's Board of Trustees. His company, Life Technologies, is a global biotechnology tools company based in Carlsbad, California. Life Technologies was formed in November 2008 following the merger of Invitrogen Corporation and Applied Biosystems, Inc., where Stevenson was president and COO. He joined Applied Biosystems, Inc., in Europe in 1998. He came to the US in 2004 to establish the company's Applied Markets Division.

# KGI FACULTY

Academicians Lead and Mentor

Faculty come to KGI from well-established academic positions and successful biotechnology companies. They combine impressive university credentials with a keen awareness of the industry's latest developments to bring new ideas and innovations into their classrooms and labs.

**Christoph Adami, PhD**

Professor: Computational and Evolutionary Biology, Bioinformatics, Artificial Life, Neural Systems

**Gail D. Baura, PhD**

Professor: Bioengineering, Machine Learning, Medical Devices, Engineering Ethics

**Daniel T. Byrd, PhD**

Assistant Professor: Strategic Management, Social Network Analysis and Diffusion of Innovations

**Steven Casper, PhD**

Henry E. Riggs Professor of Management; Management, Biotechnology Clusters, Corporate Governance

**James M. Cregg, PhD**

Research Professor: Recombinant Proteins, *Pichia pastoris*, Gene Expression, Peroxisome Biogenesis

**Matthew S. Croughan, PhD**

George B. and Joy Rathmann Professor, Director of the Amgen Bioprocessing Center: Bioprocessing, Pharmaceutical Manufacturing

**T. Gregory Dewey, PhD**

Robert E. Finnigan Professor: Computational Biology, Molecular Biophysics, Mathematical Modeling of Complex Biological Phenomena

**David J. Galas, PhD**

Research Professor: Nucleic Acid Analysis Technologies, Genetics and Functional Genomics, Biological Networks

**Nancy Lam, PhD**

Assistant Professor: Management and Organizational Behavior

**Karen L. Moynihan, PhD**

Associate Professor: Liposomes, Drug Delivery Systems

**Ali Nadim, PhD**

Professor: Biodynamics, Microfluidics, Nanotechnology, Electrowetting, Mathematical Modeling

**Angelika B. Niemz, PhD**

Associate Professor: Self-assembly and Molecular Recognition in Biological and Man-made Systems

**James C. Osborne, PhD**

Industry Professor of Biophysical Chemistry: Protein Biophysical Chemistry, Protein Structure and Function, Diagnostic Applications, Lab Automation

**M. Ian Phillips, PhD, DSc, FAHA**

Norris Professor of Applied Life Sciences: Biology of Stem Cells, Gene Regulatory Networks

**Animesh Ray, PhD**

Professor: Gene Function, Gene Regulatory Networks, DNA Repair, Gene Targeting, DNA Computing, Systems Biology

**Henry E. Riggs**

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**Molly B. Schmid, PhD**

Professor, Entrepreneur-in-Residence: Antimicrobial Drug Discovery, Antibiotics, High Throughput Screening, Microbial Genomics, Animal Models of Infection

**Sheldon M. Schuster, PhD**

President and Professor: Mechanisms of Enzyme Action, DNA-Protein Biosensors, Role of Mycoplasma in Cancer

**James D. Sterling, PhD**

Vice President for Academic Affairs and Dean of Faculty, and Professor: Microfluidics, Microfabrication, Laboratory Automation, Biochips, Biosensors, Biotransport, Systems Modeling, Flow Cytometry

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**Gerard Jensen**

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**Susan R. Wessler, PhD**

Regents Professor of Plant Biology, University of Georgia; Howard Hughes Medical Institute Professor: Plant Genomics



# FACULTY PROFILE

## Nancy Lam: Giving Organizations a Voice

As befits someone whose research and teaching interests focus on employee voice and silence, Assistant Professor Nancy Lam is an articulate speaker who chooses her words carefully.

“In organizational life, employees’ decisions to speak up about relevant work issues have a significant impact on the ability of managers to make informed decisions,” says Lam, who joined the KGI faculty in Fall ’09 and teaches Organizational Behavior to first-year students. Lam holds a PhD in organizational management from New York University’s Stern School of Business, where her doctoral dissertation focused on managerial voice propagation (managers speaking to upper levels of management, to their peers, or to their subordinates).

“As the workplace becomes more complex and managers are challenged by increasingly intricate situations, it is becoming more imperative that decision makers utilize the appropriate information from their employees to guide them toward affecting favorable organizational change,” says Lam.



NANCY LAM

“I was really driven by the topic,” says Lam, who by that time had six years of industry experience to her credit.

Lam believes that her prior professional positions will be an asset to her teaching at KGI. “My work experience can help give students a more real-life perspective that is often the key to a more robust comprehension of management concepts,” she says.

As an instructor, Lam says she strives to challenge students’ existing notion of management by using both theoretical and practical knowledge to dissect changing organizational social systems.

James D. Sterling, KGI’s vice president for academic affairs and dean of faculty, said Lam “will prepare our students to understand the structure and dynamics of the workplace and to apply their knowledge as they advance in their life science careers.”

Lam is happy to be back in California, this time with her husband and two-year-old daughter in tow. She enjoys snowboarding, playing (and listening to) the violin, theater, and “attempting to cook.” But more often than not these days, with a toddler on board, the family can be found exploring the nearby zoos and playgrounds.

Lam is enthusiastic about KGI’s approach to blending science and business. “I would have been interested in this program myself had it been available when I was choosing a graduate program.”

*By Carol Sorgen*

“By incorporating creative methods of instruction, I endeavor to hone students’ skills to think critically and inquisitively about complex and ambiguous organizational issues.”

—NANCY LAM

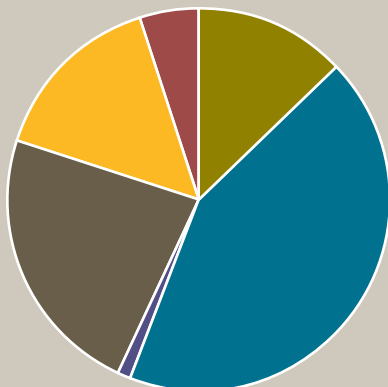
Lam, who grew up in Sacramento, has had a lifelong interest not only in science in general, but also in the psychological aspects of the brain. As an undergraduate student in molecular and cellular biology at the University of California, Berkeley, she created a class called “Dichotomy of the Brain.”

Lam had planned to attend medical school, but while attending a job recruiting event with her roommate—“I was there for the free pizza”—she was encouraged to apply for a consulting job with Accenture, a management and technology consulting company. During her tenure as a consultant and, eventually, a middle-level manager, Lam became aware that many organizational problems arise because of the lack of communication between employees and upper levels of management.

Lam began looking into the area of organizational voice and became excited when she realized “that people actually did research for a living.”

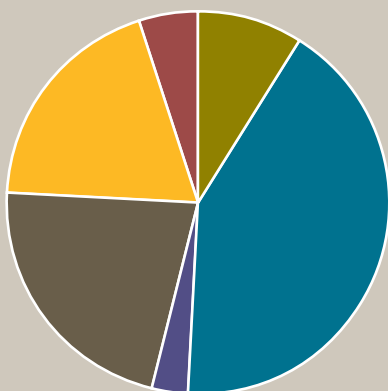
# FINANCIAL HIGHLIGHTS

## 2008-2009



Source of Funds – June 30, 2009

- Tuition and Fees – 13%
- Private Gifts and Grants – 43%
- Private Contracts – 1%
- Federal Grants and Contracts – 23%
- Investment Income – 15%
- Other Revenues – 5%



Source of Funds – June 30, 2008

- Tuition and Fees – 9%
- Private Gifts and Grants – 42%
- Private Contracts – 3%
- Federal Grants and Contracts – 22%
- Investment Income – 19%
- Other Revenues – 5%

	June 30, 2009	June 30, 2008
<b>STATEMENTS OF FINANCIAL POSITION</b>		
<b>ASSETS</b>		
Cash and cash equivalents	\$112,169	\$363,257
Accounts receivable	595,305	999,239
Prepaid expenses and deposits	412,706	433,151
Contributions receivable	8,239,428	8,289,657
Funds held in trust for others	98,287	110,701
Investments	37,783,440	32,569,707
Building investment, net	5,554,114	5,749,624
Buildings and equipment, net	12,334,842	12,798,340
<b>Total Assets</b>	<b>\$65,130,291</b>	<b>\$61,313,676</b>
<b>LIABILITIES</b>		
Accounts payable and accrued liabilities	\$1,436,259	\$1,260,261
Deposits and deferred revenues	111,486	1,650
Notes and bonds payable	9,187,515	9,260,851
<b>Total Liabilities</b>	<b>10,735,260</b>	<b>10,522,762</b>
<b>NET ASSETS</b>		
Unrestricted	19,679,491	17,049,188
Temporarily restricted	6,085,920	6,604,618
Permanently restricted	28,629,620	27,137,108
<b>Total Net Assets</b>	<b>54,395,031</b>	<b>50,790,914</b>
<b>Total Liabilities and Net Assets</b>	<b>\$65,130,291</b>	<b>\$61,313,676</b>
<b>STATEMENTS OF ACTIVITIES</b>		
<b>REVENUES</b>		
Tuition and fees (net of financial aid discount)	\$1,611,456	\$1,299,133
Private gifts and grants	5,447,749	6,096,798
Private contracts	126,377	396,171
Federal grants and contracts	2,917,366	3,171,492
Investment income	1,864,156	2,777,038
Other revenues	616,817	739,625
<b>Total Revenues</b>	<b>12,583,921</b>	<b>14,480,257</b>
<b>EXPENSES</b>		
Instruction	3,369,833	3,928,576
Research	3,824,558	3,979,825
Academic support	1,584,199	1,419,828
Student services	1,243,212	884,916
Institutional support	4,090,852	4,158,822
<b>Total Expenses</b>	<b>14,112,654</b>	<b>14,371,967</b>
Excess (Deficiencies) of Revenues Over Expenses	<b>(1,528,733)</b>	<b>108,290</b>
<b>OTHER CHANGES IN NET ASSETS</b>		
Actuarial adjustment	(5,453)	(8,786)
Adjustments to contributions receivable	(30,000)	0
Realized and unrealized investment losses	(5,116,346)	(3,757,950)
Gain (loss) on disposal of buildings and equipment	10,284,649	(31,463)
<b>Total Other Changes in Net Assets</b>	<b>5,132,850</b>	<b>(3,798,199)</b>
<b>Net Assets: Beginning of Year</b>	<b>50,790,914</b>	<b>54,480,823</b>
<b>Net Assets: End of Year</b>	<b>\$54,395,031</b>	<b>\$50,790,914</b>



KECK GRADUATE INSTITUTE  
*of Applied Life Sciences*

535 Watson Drive  
Claremont, CA 91711  
909.607.7855  
[www.kgi.edu](http://www.kgi.edu)

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