Fellow Graduate Students and Guests,

On behalf of the Graduate Student Association, welcome to the 3rd annual PhD Career Conference! This ongoing event has been one of the most important and successful services we have provided for our community. While some graduate students will continue on into the Academy, many of us will go on to apply our sought-after and cutting-edge skills to develop new technologies or form our own business enterprises. Recent studies report that businesses started by UCSD faculty and graduate students contribute over $20 billion dollars to our economy annually. The contribution of UCSD graduate students employed by existing industries and organizations around the world can only wildly exceed this number. For a relatively new institution, our graduate population boasts an incredibly high number of innovative and industrious scholars. We are lucky to have some of these people here, along with members of the community and guests, to guide us through our post-graduate transitions.

We are joined today by Drs. Peter Fiske and James Fowler. I sincerely hope that you will take advantage of their experiences and perspectives. And as Joe Cribari, the Career Services Center’s advisor dedicated to masters and doctoral student and founder of this conference says, “It is never too early to start planning for your career transition.” As budget cuts and hiring freezes continue, more graduate students will choose to enter into the business world. It is important to have resources available to those who choose to make that move. Our faculty and graduate colleagues can provide us with successful academic stories; we are surrounded by a wealth of knowledge on academic placement. This venue will give you the opportunity to discuss the current academic environment further and to explore the many career options to which we do not always have access. While the decision of what to do with our doctoral degrees is a highly personal choice, we deserve to understand what we can do with our knowledge so we can make the best decision for ourselves. I know that the 3rd annual PhD Career Conference will offer that service to you. After all, that is what education truly provides; knowledge, options, and opportunities.

My very best wishes for your future careers and lives,

Rodolfo John Alaniz  
President, Graduate Student Association  
Doctoral candidate, Department of Literature, UC San Diego
WELCOME ADDRESS

PENNY RUE, PhD
Vice Chancellor of Student Affairs, UC San Diego
University of Maryland, Counseling and Personnel Services, ‘88

Prior to becoming Vice Chancellor of Student Affairs at UC San Diego, Dr. Rue served as Dean of Students at the University of Virginia. Along with solid academic credentials in the field of counseling and student personnel services, her career has included more than 30 years in some of the most prestigious higher education institutions in the U.S., including Georgetown University, the University of North Carolina at Chapel Hill and the University of Maryland.

Dr. Rue received her B.A. from Duke University in English and Religion, and an M.A. in student personnel work from the Ohio State University.
Thank you to all our partners, and committee members.

**CONFERENCE PLANNING COMMITTEE**

**Joe Cribari**, Conference Founder, PhD & Master’s Student Advisor, Career Services Center

**Katie Fitzpatrick**, PhD Student, VP Academic Affairs, Graduate Student Association (GSA), Biomedical Sciences

**Merrie Mosedale**, PhD Student, Biomedical Sciences

**Kris Nelson**, PhD Student, History, Law & Science Studies

**Kirsten Mctavish**, PhD, Postdoctoral Fellow, Department of Reproductive Medicine, School of Medicine

**ADDITIONAL SUPPORT FROM**

**Lauren Payne**, Assistant Director / Career Advisor, Career & Internship Advising, Career Services Center

**Ian Transfiguracion**, Communication Specialist, Career Services Center

**Albert Lopez**, Technology Specialist, Career Services Center

**Lisa Kellogg**, Assistant Director, Graduate Alumni Programs, UC San Diego Alumni Association

**Shannon Free-Cleveland**, Marketing Coordinator, University Extension

**Cindy A. Hansen**, Program Representative, University Extension
Thank you to all our generous sponsors.

PREMIERE SPONSOR

QUALCOMM®

CONTRIBUTING SPONSORS

KECK GRADUATE INSTITUTE
of Applied Life Sciences

ACHIEVING THE EXTRAORDINARY
1960 – 2010

CAMPUS PARTNERS

Career Services Center
A Department of Student Affairs

GSA
UCSD Graduate Student Association

Oceanids

Office of Graduate Studies

ucsd alumni
UC San Diego

UC San Diego Extension

UC Postdoctoral Association

POSTDOCTORAL AND VISITING SCHOLAR AFFAIRS

UC San Diego | VICE CHANCELLOR
STUDENT AFFAIRS
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:15 - 12:50PM</td>
<td>CHECK-IN AND REFRESHMENTS</td>
<td>Price Center</td>
</tr>
<tr>
<td>1:00 - 1:05PM</td>
<td>OPENING REMARKS</td>
<td>Rodolfo John Alaniz&lt;br&gt;President, Graduate Student Association&lt;br&gt;Doctoral candidate, Department of Literature, UC San Diego</td>
</tr>
<tr>
<td>1:05 - 1:10PM</td>
<td>WELCOME ADDRESS</td>
<td>Dr. Penny Rue, PhD&lt;br&gt;Vice Chancellor, Student Affairs, UC San Diego</td>
</tr>
<tr>
<td>1:10 - 1:25PM</td>
<td>KICKOFF SPEAKER</td>
<td>“Realize Your Network Power”&lt;br&gt;Dr. James Fowler, PhD&lt;br&gt;Professor, School of Medicine and Political Science, UC San Diego</td>
</tr>
<tr>
<td>1:25 - 2:10PM</td>
<td>KEYNOTE ADDRESS</td>
<td>“Put Your PhD to Work!”&lt;br&gt;Dr. Peter Fiske, PhD</td>
</tr>
<tr>
<td>2:15 - 3:45PM</td>
<td>CONCURRENT CAREER PANEL SESSIONS</td>
<td>Arts, Humanities &amp; Social Sciences&lt;br&gt;Price Center East</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Life &amp; Environmental Sciences&lt;br&gt;Price Center West</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Engineering &amp; Computer Science&lt;br&gt;Price Center East</td>
</tr>
<tr>
<td>4:00 - 5:00PM</td>
<td>NETWORKING RECEPTION</td>
<td>Cocktails &amp; appetizers served&lt;br&gt;Price Center</td>
</tr>
</tbody>
</table>
“Realize Your Network Power”

DR. JAMES FOWLER, PhD
Professor, School of Medicine and Political Science, UC San Diego

Dr. Fowler is a Professor in the School of Medicine and the Division of Social Sciences at UCSD. Dr. Fowler’s work lies at the intersection of the natural and social sciences. His primary areas of research are social networks, behavioral economics, evolutionary game theory, political participation, cooperation, and genopolitics.

Dr. Fowler was recently named a Fellow of the John Simon Guggenheim Foundation and one of Foreign Policy’s Top 100 Global Thinkers. He has been interviewed by Stephen Colbert, was named “most original thinker” of the year by The McLaughlin Group, and his research has been featured in New York Times Magazine, Time Magazine, and the Harvard Business Review. Dr. Fowler is the coauthor of Connected, an award-winning book on social networks.

Dr. Fowler earned his B.A., M.A. in Government, and Ph.D. in Government from Harvard and his M.A. in International Relations from Yale.
“Put Your PhD to Work!”

DR. PETER S. FISKE, PhD

Dr. Fiske is a nationally-recognized author and lecturer on the subject of leadership and career development for advanced degree students in the sciences and engineering, but his talks also resonate with researchers in the humanities and social sciences. He is the author of numerous articles on the subject of careers and career development and writes a regular column in the journal Nature. He is the author of To Boldly Go: A Practical Career Guide for Scientists and its second edition Put Your Science to WORK! He has presented his workshop to over 13,000 early career PhDs, postdocs, and master’s researchers in the US and the UK.

Dr. Fiske is also President and CEO of PAX Mixer, Inc., a company created to commercialize high-efficiency mixing technologies developed by parent company, PAX Scientific. Prior to starting PAX, Inc., Fiske led a research team at Lawrence Livermore National Laboratory.

A native of Bethesda, Maryland, Fiske received his AB (Magna Cum Laude) in Geological and Geophysical Sciences and a Certificate of Accreditation in Civil Engineering from Princeton University in 1988. He was subsequently awarded a National Science Foundation Graduate Fellowship. In 1996 Fiske was awarded a White House Fellowship and served one year in the Clinton Administration as Special Assistant to the Secretary of Defense for Special Projects. Fiske received his Ph.D. in Geological and Environmental Sciences from Stanford University in 1993 and an MBA from the Haas School of Business at U.C. Berkeley in 2002.

As a scientist, Peter led a research group in the Physics and Advanced Technologies Directorate of Lawrence Livermore National Laboratory. He is the author of 20 technical articles, most in international peer-reviewed journals including Science.

Dr. Fiske has broad technical expertise in the fields of advanced materials, chemical engineering, fluid mechanics and heat and mass transfer.
What's it like working outside academe? What is the true breadth of job opportunities in academia? How should you prepare? What skills and experiences are sought? Learn from this group of successful arts, humanities and social sciences PhDs that successfully transitioned to positions in academia and beyond.

Tricia Bertram Gallant, PhD
Academic Integrity Coordinator, UC San Diego
Tricia Bertram Gallant, Ph.D., is the Academic Integrity Coordinator at the University of California, San Diego (UC San Diego), and is the Immediate Past Chair for the International Center for Academic Integrity’s (ICAI) Advisory Council. Bertram Gallant has extensive experience in developing academic integrity procedures and policies, working with stakeholders (from students, to faculty to administrators) on creating a culture of integrity, inspiring campus interest in and commitment to addressing integrity and ethics, managing a centralized office for academic misconduct complaints, advising faculty on teaching and classroom management, and teaching students about academic integrity. Bertram Gallant has also been active in the academic integrity movement at the national and international levels through the International Center for Academic Integrity as a member of its Board of Directors (2002-2007) and Chair of its Advisory Council (2008-2010). The ICAI, housed at Clemson University, is the leading organization in assisting high schools, colleges and universities in creating cultures of academic integrity.


Professor Gordon Hanson, PhD
Professor of Economics and Director
Center on Emerging & Pacific Economies Institution, UC San Diego
Professor Hanson is the director of the Center on Emerging and Pacific Economies and is a Professor of Economics at UC San Diego, where he holds faculty positions in the School of International Relations and Pacific Studies and the Department of Economics. He is a Research Associate at the National Bureau of Economic Research, a member of the Council on Foreign Relations, and a co-editor of the Review of Economics and Statistics. Prior to joining UCSD in 2001, he was on the economics faculty at the University of Michigan (1998-2001) and at the University of Texas (1992-1998). Professor Hanson specializes in the economics of international trade, international migration, and foreign direct investment. His most recent book is Regulating Low Skilled Immigration in the United States(American Enterprise Institute, 2010). Dr. Hanson earned his PhD in Economics from MIT.
Christine Kelly, PhD
Graduate Student Advisor, Career Center, UC Irvine
Dr. Kelly’s career began as Instructor and Basic Course Director at the University of Maine. After 3 years there she and her husband moved to Ohio where she was an adjunct at Otterbein University and Columbus State Community College. In 1995 she briefly explored non-academic careers before returning to adjunct life. That experience helped prepare her for her current role. Dr. Kelly now helps graduate students navigate their career paths, both academic and non-academic. She credits her experiences as a long time adjunct and a career changer for giving her the insights that help her lead others through the often mysterious and confusing job search process. She writes articles about career transitions for Ph.D.’s for Inside Higher Ed. and spoke on the topic of Non Academic Careers for Humanists at the MLA convention in January 2011 and will speak on that topic at the MLA Summer conference. Dr. Kelly earned her PhD in Communication from Purdue University.

Patrick Patterson, PhD
Assistant Professor, Department of History, UC San Diego
Patrick Patterson specializes in 19th- and 20th-century Eastern Europe, and the Balkans, with emphasis on cultural and political history, nationalism and ethnicity, and religion. He teaches courses on the history of these regions, on the historiography of modern Europe, on Islam and immigration in contemporary Europe, and on the history of the international law of war crimes and genocide. His present research projects focus primarily on consumption, business culture and advertising, tourism, and everyday life in socialist Eastern Europe; chief among these is a book project on consumer culture in those countries - Yugoslavia, Hungary, Czechoslovakia, and the GDR - that managed to deliver a socialist version of the “Good Life” following WWII. He is now embarking on a new project that addresses the relationship between political Christianity and Islam in contemporary Eastern and Western Europe. Professor Patterson earned his PhD from the University of Michigan in 2001.

Tatiana Sizonenko, M.A.
Curator, Museum of Making Music, Carlsbad, CA
Tatiana is a doctoral student in Art History in the Visual Arts Department at UC San Diego. She earned her M.A. in Art History from the Leningrad State University (now St. Petersburg), Russia; and an M.A. in Museum Studies from John F. Kennedy University, Berkeley, California. Tatiana’s research examines instances of artistic exchange in context of diplomacy and politics in late Medieval and Renaissance times, the effects of humanist learning of Greek authors on image production, as well as issues related to archaism, quotation, and anachronism in Renaissance aesthetics. She also studies the theory of new media, contemporary computer-based installations and arts that can be productively analyzed to explore the phenomenon of visual media remix in Medieval and Renaissance arts. She examines how computer-driven technologies could be used for creating interactive multimedia presentations of old masters in museum contexts. Tatiana is actively engaged in curatorial practice. She curates and manages special exhibitions and permanent collections at the Museum of Making Music in Carlsbad, CA. Prior to this position, Tatiana worked as an assistant curator of one of the major research collections of Medieval Russian art at the State Russian Museum in St. Petersburg, Russia, and was also responsible for museum projects at Oakland Museum of CA, the Blackhawk Automotive Museum in Danville, CA, and independently curated other exhibitions in the U.S.
Finding your first academic or industry position after earning your master’s or doctorate can be a daunting and bewildering endeavor. To help approach this task, this distinguished panel of professors and industry leaders will offer advice and proven tips that can give you an enormous head start when you’re ready to go “On the Job Market.” As proven leaders within fields, this panel has what it takes to excel in careers in and beyond academia. Learn about the often overlooked strategies, experiences, and sought-after skills needed to help you make a successful and affirmative career choice.

Jake Handy, JD
*Partner, DLA Piper LLP*

Mr. Handy earned his BS and MS in Molecular Biology from UCSD. He then earned his JD from California Western School of Law. He is currently a partner at DLA Piper, one of the world’s largest law firms with offices in 30 countries. Mr. Handy counsels life science and technology focused companies on strategic planning and the structuring of complex technology transactions. He primarily works out of the La Jolla office of DLA Piper and resides in San Diego with his wife and four children.

Nicole Harriott, PhD
*Research Scientist - Medicinal Chemistry, Neurocrine Biosciences*

Dr. Harriott earned her B.S. in chemistry and biology from Ashland University and her Ph.D from UC San Diego in the field of organic chemistry in 2004. She carried out postdoctoral work in the field of natural products synthesis in the laboratories of Dr. Viresh Rawal at the University of Chicago from 2004-2006. Dr. Harriott returned to San Diego to join Neurocrine Biosciences in 2006, and is currently a Research Scientist in the medicinal chemistry department focusing on the development of novel therapeutics. Dr. Harriott resides in San Diego with her husband and son.

Professor Nate Heintzman, PhD
*Assistant Professor, Division of Biomedical Informatics, Department of Medicine, UC San Diego*

Nate earned his B.A. in Biochemistry at Gustavus Adolphus College in St. Peter, MN, and his Ph.D. in Biomedical Sciences from UC San Diego. His graduate and postdoctoral work focused on epigenetic signatures for transcriptional regulatory elements throughout the human genome, published in Nature and Nature Genetics. As a UC Discovery Fellow at the California Institute of Telecommunications and Information Technology (Calit2), Nate became involved in health IT and wireless health. Now on the faculty of UCSD’s Division of Biomedical Informatics, he is pursuing diabetes research that integrates genomics technologies, wireless medical devices, and clinical data systems. While a graduate student, Nate co-founded Insulindependence (a non-profit organization sponsoring fitness and recreation programs for the diabetes community) and ScholarNexus (a life science consultancy and incubator), and more recently he co-founded NanoSort (lab-on-chip flow cytometry). He enjoys running, surfing, and playing in his band.
Ferran Prat, PhD, JD  
*VP of Oncology and Women’s Health, Alere, Inc.*

Dr. Prat is VP of Oncology and VP of Women’s Health at Alere Inc., a Waltham (MA) based Diagnostics Company with more than $2 billion in revenues. He was previously VP of Licensing at Biosite Incorporated, a now fully owned subsidiary of Inverness located in San Diego. Dr. Ferran obtained his BS in chemical engineering from IQS (Barcelona), his PhD in organic chemistry from University of California, Los Angeles (UCLA), focusing on the photochemistry and electrochemistry of DNA base pairs, and his JD, magna cum laude, from University of San Diego. Prior to joining Biosite in 2001, he was a management consultant with McKinsey & Co.

Lydia Roach, PhD  
*Environmental Consultant, Dudek*

Lydia Roach earned a BA in Environmental Chemistry from Columbia University in 2004 and a PhD in Oceanography from the Scripps Institution of Oceanography at the University of California, San Diego in 2010. For her PhD research, Dr. Roach employed geochemical techniques to study prehistoric climate change in California. For the past six months she has been working as a geochemist at Dudek, an environmental consulting firm in Encinitas, CA, where she investigates groundwater contamination and hydrologic balance at locations throughout California.
Finding your first academic or industry position after earning your master’s or doctorate can be a daunting and bewildering endeavor. To help approach this task, this distinguished panel of professors and industry leaders will offer advice and proven tips that can give you an enormous head start when you’re ready to go “On the Job Market.” Learn first-hand: how the selection process works, the steps in an academic and industry interview process, how to present your credentials in the best possible manner, how a candidate can best prepare for an interview and “Job Talk”, and if you can negotiate an offer. Proven leaders within their fields, this panel has what it takes to excel in careers in and beyond academia.

Professor Adam J. Engler, PhD
Assistant Professor, Bioengineering Department
Jacobs School of Engineering, UC San Diego
Professor Engler is an assistant professor of Bioengineering at the University of California, San Diego. His research focuses stem cells, with an emphasis on how adult and embryonic stem cell differentiation is controlled by the extracellular matrix. Engler earned his BSE degree in bioengineering at the University of Pennsylvania, and a PhD in mechanical engineering and applied mechanics. He then moved to Princeton University’s Department of Molecular Biology as a Postdoctoral Research Fellow, funded by the National Cancer Institute. Dr. Engler is the 2008 recipient of the Rupert Timpl and Rita Schaffer Young Investigator Awards from the International Society for Matrix Biology and the Biomedical Engineering Society, respectively, for his lab’s work on the mechanical regulation of stem cell differentiation by the extracellular matrix. He is also a recipient of a 2009 NIH Innovator Award.

Professor Maurício de Oliveira, PhD
Department of Mechanical & Aerospace Engineering, UC San Diego
Maurício de Oliveira conducts research in the area of Optimization, Dynamic Systems and Control. His work is focused on the application of convex optimization to solve problems in systems, dynamics and control.

His PhD (1999), MS (1996) and BS (1995) are all in Electrical Engineering from the University of Campinas, Brazil. He is currently an Adjunct Associate Professor at the Department of Mechanical and Aerospace Engineering, University of California, San Diego, CA, a department he joined in 2003. Prior to that, he was an Assistant Professor at the School of Electrical and Computer Engineering at the University of Campinas, SP, Brazil from 2001 to 2003. From 2005 to 2006, he was the Chief Research Engineer at Dynamic Systems Research, Inc., San Diego, CA, where he led a large team on the development of an energy harvesting station keeping sea drogue.

Since 2008, he has worked as a consultant to one of the world’s largest sovereign wealth funds in the area of portfolio optimization.
Cecile Levasseur, PhD
Junior Analytics Manager, Opera Solutions
Mrs. Cecile Levasseur started her career in predictive analytics at FICO (Fair Isaac Corporation), developing statistical models for the financial industry. She recently joined Opera Solutions in San Diego as a member of the Analytics team.


Rémi Raphael, PhD, MBA
Senior Analyst Energy Risk Management, Sempra Energy
Rémi Raphael earned his computer science MS at the University Claude Bernard Lyon, I and his PhD at the National Institute of Applied Sciences Lyon- France in 2000 and 2004 respectively. He then joined the San Diego Supercomputer Center at the University of California San Diego as a PostDoc and worked on the architecture design of the New Generation of Biology Workbench.

After attending a workshop on financial engineering, he decided to join the Rady School of Management at UC San Diego and graduated with an MBA focusing on Finance and Entrepreneurship. He served as the CFO of the UC San Diego Entrepreneur Challenge between 2008 and 2009. He then joined Sempra Energy working in the Audit and Risk Management Departments.

Currently in his position as a Senior Energy Risk Analyst, Rémi Raphael evaluates the economic risks facing Sempra Energy Global business units in the USA and abroad. He is passionate about Renewable Energy and believes that economically viable innovations will positively impact our lives and society.

Gopi Tummala, MS
Engineer, Qualcomm
Mr. Gopi Tummala earned his MS from UC San Diego in 2011 and his B.E. from the Birla Institute of Technology & Science, Pilani, India. He has carried out chip design engineering work at the Qualcomm, San Diego since June 2010. Prior to this role, he was at Infineon (now Intel) in 2005 and engineered network processor chips for four years in Germany and India. At UCSD, he worked as Research Assistant under Professor Tajana Rosing at SEE Lab and Professor. Micahel Taylor at Center for Multicore and Manycore parallelism. Mr. Tummala’s research interests lie in system modeling of variability tolerant, power-conscious, high-performance computing systems, system architectures for network systems and life science applications. His hobbies are volunteering, painting and blogging.
CAREER SERVICES CENTER FOR PhD AND MASTER’S STUDENTS

PhDs (and ABDs & Master’s) ARE EVERYWHERE!

• Education
• Biotech, BioPharm
• Museums, Archives & Libraries
• Philanthropic Foundations
• Government
• Think Tanks & Policy Institutes
• Non-Profits
• Research Institutions
• Consulting

• Writing & Publishing
• Technology
• Finance
• Broadcasting
• And more...

Find out how they successfully made the transition by visiting the new CSC website at career.ucsd.edu.

ESPECIALLY FOR GRADUATE STUDENTS

The Career Services Center (CSC) supports a career advisor dedicated to Ph.D. and master’s students and is available by appointment for discussions of all issues related to career planning and professional development. Services available include:

• Critiques of CVs, resumes, cover letters, teaching portfolios, and other job search related materials
• Assistance with career decision-making and planning, and strategies for an effective and successful career transition in academia and beyond
• Guidance in finding and utilizing job-search resources by discipline, industry, and profession
• Interviewing and negotiation advice and practice
• Guidance in making connections with UC San Diego alumni and other professionals

Make a 45-minute appointment today by calling 858.534.3750.

WORKSHOPS & EVENTS

Don’t miss out on career and professional development seminars, workshops, panels, and speakers offered by the Career Services Center throughout the year. Select programs & events include:

• Converting a CV to a Resume
• Looking Beyond Academia
• Interview Practice Beyond Academia
• Questioning Career Transition Group for PhDs
• Mastering the Academic Interview for PhDs
• The Fall Lecture Series
• Annual Spring PhD Career Conference

Visit career.ucsd.edu for more information.
A bold hybrid of science and business.

The Postdoctoral Professional Masters (PPM) program at KGI offers the interdisciplinary curriculum, industry insight, and unparalleled connections you need to excel in the life sciences industry. This accredited degree helps PhD scientists and engineers acquire the business and management skills needed to pursue senior management positions.

Apply to the PPM program today
www.KGI.edu

Keck Graduate Institute is a member of the prestigious Claremont University Consortium in Claremont, California. (909) 607-8590

Asia Chang
Associate, L.E.K. Consulting
ONE BIG IDEA.
UNLIMITED POSSIBILITIES.

As the world leader in next-gen mobile technologies, Qualcomm is focused on one big idea — accelerating mobility around the globe.

Learn more about career opportunities at Qualcomm, visit:
qualcomm.com/careers

© 2011 Qualcomm Incorporated. All Rights Reserved.