



5-10-2014

College of the Pacific and University College, Diploma and Hooding Ceremony

University of the Pacific

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**College of the Pacific
and
University College**

**Diploma and Hooding
Ceremony**

Saturday, May 10, 2014 ↗ 1 pm
Alex G. Spanos Center

University of the Pacific
Stockton, California

ACADEMIC PROCESSION

Banner Bearer

**Candidates for the University College
Bachelor of Science Degree**

**Candidates for the
Bachelor of Science Degree**

**Candidates for the
Bachelor of Arts Degree**

**Candidates for the
Bachelor of Fine Arts Degree**

**Candidates for the
Master of Science Degree**

**Candidates for the
Master of Arts Degree**

**Candidates for the
Doctor of Philosophy Degree**

**Faculty
of the College of the Pacific**

**Diploma and Hooding
Ceremony Speaker**

Chaplain

**Dean
of the College of the Pacific**

Mace Bearer

PROGRAM

Dean Rena Fraden, Presiding

Music *Pacific Brass Quintet*

Guests will please remain seated during the processional.

Processional

Invocation *Dr. Joel N. Lohr*
University Multifaith Chaplain

Welcome Address *Dean Rena Fraden*

Senior Commencement

Speaker *Ms. Danielle Mertina Procope*

Remarks *Dean Fraden*

Presentation of Graduates *Dr. Gregg Jongeward*
Sr. Associate Dean of the College

**Presentation of University College
Bachelor of Science Degree Graduates**

**Presentation of Bachelor of
Science Degree Graduates**

**Presentation of Bachelor of
Arts Degree Graduates**

**Presentation of Bachelor of
Fine Arts Degree Graduates**

**Presentation of Master of
Science Degree Graduates**

**Presentation of Master of
Arts Degree Graduates**

**Presentation of Doctor of
Philosophy Degree Graduates**

Pacific's Alma Mater *Audience led by*
Phi Mu Alpha Sinfonia Fraternity

"Pacific Hail!"

Lois Warner Winston '23, '58

Benediction *Chaplain Lohr*

Concluding Remarks *Dean Fraden*

Recessional *Pacific Brass Quintet*

A reception honoring the graduates of the College of the Pacific and University College will be held immediately following the Diploma and Hooding Ceremony in the hospitality tent across the street from Alex G. Spanos Center. Parents, students, faculty, honored guests and friends are cordially invited to attend.

ACKNOWLEDGMENTS

Faculty Marshals *Dr. Jeffrey Becker, Head Marshal*
Dr. Michelle Amaral
Dr. Jennifer Helgren
Dr. Ryan Hill
Dr. Courtney Lehmann
Dr. Ray Rennard
Dr. Keith Smith
Dr. Farley Staniec
Dr. Lisa Wrischnik

Hooding *Dr. Diane Borden**
Professor of English
*Dr. James Heffernan**
Professor of Philosophy
Dr. Jianhua Ren
Professor of Chemistry
and COP Council Chair
*Dr. Jon Schamber**
Professor of Communication
*Dr. Christopher Snell**
Professor of Health,
Exercise, and Sport Sciences
**Retiring Faculty*

Name Readers *Dr. Camille Norton*
Dr. Gregory Rohlf

Banner Bearer *Ms. Procope*

Mace Bearer *Dr. James Hetrick*
Professor of Physics
2013–14 Faye and Alex G. Spanos
Distinguished Teaching Award

DEGREES CONFERRED

University College

Bachelor of Science

Equilla Anne Carazo
 Lisa Marie Haworth-Harris**
 Gustavo E. Hernandez***
 Touch Deborah Keo
 Chanel Louise Murray
 Lee James Oliver
 Tamara Ann Stephens Piazza**
 Yesenia Lizeth Quintero
 Margarita Elizabeth Rosero*
 Amanda Verstl***

Sharon Chen
 Christiana H. Cheng*
 Kevin Chiang
 Brandon Chin
 Sophia Chou
 Hyo Jung Chung*
 Janette S. Chung
 Karine Hoyan Chung*
 Alexander Chwa
 Jose A. Cuellar
 Meryl Lisbeth De La Cruz
 Ernest Anthony Delosangeles
 Emily Ann Mooradian De Rosa
 Stephanie Kristian Diaz
 Ava Cosette Dornbush
 Jessica K. Dudoff
 Alex Duong
 Neil Dwyer
 Adam Falcon**
 Alec Hoffman Follmer*
 Diana Ka Fong
 Rebecca Silva
 de Campos Germano
 Cody Gibson
 Adam James Gouldsberry*
 Brendan Christopher Graber
 Akashdeep Grewal
 Zishan Hashtam
 Ariadna Z. Hernandez
 Rachael Maralit Hernandez
 Rhoda Bea Barroga Hernando
 Melissa Anne Hopper
 Jenna Huynh
 Nicole Rose Jeffery
 Sunjae Jung**
 Amit Kaur
 Moid Khan*

Charles Hyungwoo Kim
 Garyeong Kim
 Jennifer Kim**
 Samuel Y. Kim
 Soong Ha Kim
 Wonhyoung Kim
 Yonghyun Kim
 Yoo Jung Kim
 Mason Robert Kinnard
 Mamta Anjali Kissun
 Brittany Murrae Klemm**
 Melvin Hemant Lal
 Kevin Le*
 Chanyoung Lee
 Ji Yeon Lee
 Sophia Li**
 Jessica Chang Liu
 David Kevin Lo
 Christopher Mark Lopez*
 Stephanie A. Ly
 Mariah Clarisse Mayo
 Kamille Serranzana Mercado**
 Jordan Russell Mifflin
 Jennifer J. Modica
 Traci Kumako Mori
 Matthew Bodensteiner Muller
 Arielle Midori Nagao
 Duy Kha Ngo
 Michael Ngo
 Christine Hong Nguyen
 Tiffany Nguyen
 Tin Thi Ngoc Nguyen*
 Rose Nish*
 Chidiogo Callister Obi
 Kasey Catherine Ota
 Marina Ota*
 Jun S. Park*
 So Eun Park**
 Niraj Patel**
 Demi Pham*

Hayden Van Pham
 Louis A. Prusa
 Elizabeth Ren Qi
 Robert Andres Quiles
 Kelsey Elizabeth Rees
 Yolanda Salcedo
 Nigel Wenwei Saw
 Derek James Schilling
 Lydia Eileen Schramm**
 Keonyoung Seo
 Nischit Shah
 Risha Shah
 Millicent Anne Smith
 Dong Hoon Song*
 Alex M. Takeda
 Justine Nicole Tang*
 Jamieson Thom
 Jose A. Tienda Jr.
 Rohan Singh Toor*
 Richard Huy Tran
 Ngon Chanh Trang**
 Patricia Ngoc Trinh
 Theodora Triphon*
 William Trok
 Laura Shu Ting Tsu
 Austin Tuttle**
 Charlotte van Schooten*
 Amelia June Watson
 Caroline G. Williams
 Andrew Dai Harry Wilson
 Sarah Anne Wong***
 Tiffany Sharon Wong
 Chun-Ting Wu**
 Colette Young*
 Chan Jun Yun
 Peter Ziyao Zhao

Bachelor of Arts

Elizabeth Rain Aaron
 Anise A. Abraham
 Bailey Aiy

*Cum laude **Magna cum laude ***Summa cum laude

The list of names as it appears in this program includes actual and potential graduates for the 2013–2014 academic year. The above “graduation with honors” distinctions are contingent upon final grade point average calculations at the completion of all relevant degree requirements. The official list of graduates and honors awarded for each graduation date of the 2013–2014 year is maintained by the University Registrar.

Heather Dawn Albertson	Maxwell Joseph Cocchi	Herman Singh Grewal	Sally Lochowski Tanaka***
Tanairi Alcaraz**	Kaden J. Cochran	Kateri Grey	Tashia Long
Lucero Alvarez	Dustin Coder	Margaret Rose Grindatti	Emmanuel Lopez
Darren Satoshi Asano	Christina Marie Colburn**	Souria Nasrallah Haddad	Jessica Mestre Lopez
Diolinda Mary Jane Asuncion	Samantha Marie Cook	Kevin Ryan Hammann	Jessica Lozoya
Sarah Christine Attal	Brenda Elizabeth Cordero	Sean Leigh Richele Hamner	Brittney Marie Luman
Christopher Avila	Jalyn Alicia Costa	Jayne Christine Hansen*	Amar Ravji Lunagaria
Charysse Marie Dilay Aviles*	Paige Leigh Counsman	Hannan Hawari***	Sharon Luong
Mustafa Babak*	Laura Coyt Zavala**	Almarosa Heras	Veronica Renae Lynch
Ginelle-Marie M. Balingit*	Mayra I. Delaserda	Eugenia A. Hernandez**	Fanny Ma
Brittiany Morgan Bearden	Deyanire M. Del Toro	Xuemei D. Hernandez	Cristina Magaña
Leslie Beaudin*	Stephani G. Del Toro	Andrea Nicole Hernández-Landaverde*	Liliana Andrea Magana
Brittini Leann Beeman	Derek Desai**	Matthew Douglas Hill	Holden Tuttle Malone
Kelsey Belomy**	Ryan DesLauriers	Trust Alexander Hilton*	Élise Martin**
Samantha Megan Beringer	Chloe Marie Diaz	Emily Anne Hobbs	Gilbert Martinez
Haylee Ann Bettencourt	Airianna Marie Downs-Murray**	Ryan D. Hoffmeister	Luis Martin Martinez
Megan Birch	Riley Joseph Drongesen	Justin Phillip Hough	Joanna Mattsson-Boze
James R. Birlew	Ashley Elizabeth Duarte	Gabriel Paul Ignacio*	Melissa Marie Maultsby
Cassandra D. Blanscet***	Rocio Duran*	Deirdre Jacobson	Michael Steven McCormack Jr.
Melissa Bocanegra	Kinsey Eaton	Cara Nicole Jochimsen*	Lauren Ashley McDermott***
Shelby Jo Bolin*	Joshua Emmons	Allison Dean Jones**	Amanda Nicole McNab
Maryann Ashley Bove	Jason Christopher Ender	Pamandip Kaur	Wyatt Lee Meyer
James T. Brown II	Wolfut Fazli	Alexandra J. Kazen	Cindy Molina
Amy Jean Burns	Jordyn Mae Fenner*	Andrew Jordan Darden Keeton	Ruben Moody
Javier D. Caceres*	Danielle Faith Finnick***	Khalil Marcel Kelley	Melissa Josephine Moore
Alicia Calhoun*	Kristy Marie Fojo	Ashley Kent	Brian Edward Morgan
Stephanie Calixto	Chad Jordan Fraga	Adam Maxwell King*	Jade L. Morton
Berenice Calvario	Latisha Denise Franklin	Chelsea Marie King	Sasha Moscatello
Trevor Capik	Chelsea Jayne Fredrick	Maxwell A. Koenen	Chelsea E. Moso
Kaci Cardoza	Joshua Gaab	Jerri M. Kriz	Afsheen Mostafazadeh
Cassandra Carsten*	Veronica Garza*	Joseph Ku	Richard Ralph Muñoz
Jasmine Mariko Carter	Christina Patricia Gein	Kenneth Ashneil Kumar	Jonathan Justin Murillo*
Viviana Fabiola Castellanos	Alexandria Marie Genetti*	Nathan Katsuichi Kumashiro	Alyssa Kiyomi Namba*
Cortney Ceccato*	Tejvir Gill	John Joseph Langdon IV**	Joey Lien Ngo
Elizabeth Chan	Cory Everett Gilpin	Alexandra Hamano Lanoie	Christopher Phuc Ngo
Brett Chance**	Simone Catherine Gingras	Julia Brienne Lee	Brian Tuan Nguyen
Sebastian R. Charles	Amandi M. Gonzalez**	Kyu-Ri Lee	Nicholas Kellen Theodore Normington**
Richard Chen	Francisco Gonzalez**	Seok Ho Lee	Carolyn Norris
Kevin Chinn	Ryan Ernest Gonzalez	Micaela Legion	Morgan Northcutt*
Eva Choi	Jan Victor Paredes Gotamco	Alyssa Michelle Lenart	Alondra Núñez
Benjamin Clifton Chou	Joseph David Graham*	Queenie Bowie Lim	Liliana Nunez
Joy Desiree Clark**		David Kevin Lo	Mary Jo O'Connor**

*Cum laude **Magna cum laude ***Summa cum laude

Erick Mark Ogle	Lea M. Rummel	Angelina Rose Marie Troia	Eric Koester*
Brian Oien	Cassidi Elizabeth Rush	Nicholas D. Trujillo	Sarah Anne Lewis
Benedine Ngozika Okafor	Francis James Rutkowski	Katelyn Rose Uhlhorn**	Makana Livermore
Meghan Jane O'Keefe	Erin Saito**	Ashley Ann Michelle Underlee	Erin Suzanne Lussier
Kevin Oliveira	Jessica L. Sanchez	Gabriela Valadez	Seng Moua**
Flora Hau Jee On	Jennifer R. Sanders	Jared Ronald Van	Ashley Richards
Andrés Oneto Martínez	Pinderjit Sandhu	Dena Vang	Dana Nicole Shiroma**
Nchekube Onyima	Anthony Sandoval-Junio	Ka Boa Vang	Madeline Grace Zarate
Tricia Ann Ota	Kyle Nikko Sasai**	Kathryn Nicole Van Winkle	Alexander Zaworski***
Michael Park	Brandon Masato Sasaki	Mauricio Fabian Vargas	<i>Master of Science</i>
Priyanka Sunit Patel	Monica Alexis Schnapp	Jhanet Elizabeth Vega	Brandon Carr
Byron Jesse Patton*	Nicholas Scivoletto	America Velasco	<i>Dr. Doug Weiser</i>
Hortensia Jennifer Natalie C. Perez	Stephen Seely	Ashley Marie Waldera	<i>Thesis: Characterization of Zipper Interacting Protein Kinase in Danio Rerio (Zebrafish)</i>
Jessica Perez*	Leslie Lee Sexton	Ziheng Wang	Brenna Brianna
Julema Pérez*	Hannah Shaw	Navneet Waraich	Carrillo-Zazueta
Eric Christopher Howorth Pestana	Victoria Audrey Shepard	Angela Janice Ware	<i>Dr. Ajna Rivera</i>
Mario Petri*	Rebecca A. Shimizu	Charles J. Watkins	<i>Thesis: Comparative Analysis of Gene Expression in Two Sexually Dimorphic Crustacean Species, Euphilomedes carcharodonta and Euphilomedes morini</i>
Alejandra Valdez Pineda	Aaron M. Short	Parlisha Watts-Andrews	Pegah Chaharmahali
Anne Piper	Juan Angel Sierra	Chelsea Lynn Weir	<i>Dr. Der Thor</i>
Megan L. Piper	Logan David Simpson*	Mychal Jacob Stecher Weitzman	<i>Thesis: The Role of Calcium in Protein Secretion and Expression in Pichia pastoris</i>
Vanessa Julie Ann Ponce	Rupashna Reshmi Singh	Kelsey Anne Wilhelm	Tyler Casey Chuang
Cory James Popham**	Nicholas James Spatola	Alec Kohl Williams	<i>Dr. Craig Vierra</i>
Paulina Hernandez Portales	John Parton Steiner*	Margaret Catherine Williams*	<i>Thesis: Characterization of Low Molecular Weight Cysteine-Rich Proteins from Dragline Silk and Development of a Mini- Fibroin</i>
Joshua Paul Powell	Cooper Jordan Stivers	Jessica Wilson	Dominique Hall
Lucia Prado	Ashley Louise Stockburger	Tyrone E. Wise II	<i>Dr. Lisa Wrischnik</i>
Poonam Shobha Prasad	Samuel S. Stodolski	Rachel Nicole Witkovski	<i>Thesis: The Role of Rad51 in Trichomonas vaginalis</i>
Danielle Mertina Procope*	Matthew Stuhr	Erin Ayako Witt	Thomas L. Ilustrisimo
Elise Deanne Prosch	Daniel C. Swanson	Katherine Woerner*	<i>Dr. Lisa Wrischnik</i>
Alyssa Nicole Ramirez	Katelyn Elizabeth Roxanne Tatar	Sierra Ashley Rose Woolsey	<i>Thesis: Characterization of the DMC1 and Rad51 Homologues and the Process of Meiosis in Trichomonas vaginalis</i>
Joshua John Rayburn**	Jordan Nicole Teixeira	Katherine Woznick*	
Kathryn Susanne Reale	Jolie Irene Thomas	Judith Wu	<i>Bachelor of Fine Arts</i>
Emily Reber**	Timothy Darden Thomas	Amanda Christine Wynn	Morgan Elizabeth Andre**
Chad W. Reed***	Monique Tinio	Diana C. Yan*	Maurelle Godezano Bagus
Sydney Marie Reyes	William Koji Tom*	Helen Yan**	Maria Boyle
Jordan Craig Ribota*	Bobby Tondreau	Kathy Hoi-Ying Yeung	Angela Shee-Ching Chang
Alinee G. Rodriguez	Dustin Torchio	Naomi Takei Yuen	James King
Heather A. Rodriguez	Fabián Andres Torres Camacho	Mahedia Zadran	
Juliann A. Rodriguez	Eric Trevor Toy		
Salina Ros	David Ren Tran (<i>Double Degree</i>)		
Julia Anne Rowe	Alan Trang		
	Caitlin Marie Trepp		

*Cum laude **Magna cum laude ***Summa cum laude

- Katelin Elise Kehoe
Dr. Lisa Wrishchnik
Thesis: Microarray Analysis of *Trichomonas vaginalis* Strains T1 and G3: Identifying Genes that May Contribute to Virulence and Metronidazole Resistance
- Evan Breau Kristiansen
Dr. Ryan Hill
Thesis: Phylogeography of a Highly Variable Butterfly Species in Western North America: *Speyeria callippe* (Lepidoptera: Nymphalidae)
- Andrew Jon Laflamme
Dr. Doug Weiser
Thesis: Characterization of a Novel Transcript Variant of Zebrafish *Mypt1*
- Ryan Le
Dr. Lisa Wrishchnik
Thesis: Expression and Functional Characterization of the Dmc1 Homologue in *Trichomonas vaginalis*
- Vincent Wing-Kun Leung
Dr. Eric Thomas
Thesis: HPLC Analysis of Pheromone Release Elicited by Electrostimulation or Neurotransmitters in *Hymenochirus* Frogs
- Albert Lin
Dr. Craig Vierra
Thesis: Characterizing Small Molecular Weight Proteins from *Latrodectus hesperus* Dragline and Tubuliform Silks
- Mary E. Paduano
Dr. Marcos Gridi-Papp
Thesis: Tuning of the Middle Ear in Túngara Frogs (*Engystomops pustulosus*)
- Peter Wei
Drs. Joan and Geoff Lin-Cereghino
Thesis: The Structural Characterization of *Saccharomyces Cerevisiae* Alpha Mating Factor Secretion Signal for Recombinant Protein Secretion in *Pichia Pastoris*
- Yuora Yelapaala
Dr. Lisa Wrishchnik
Thesis: Characterization of CP4 and SOD6 Function and Expression in *Trichomonas vaginalis*
- Khuram Zaman
Dr. Ryan Hill
Thesis: Characterizing the Population Biology and Life History of *Speyeria adiastrae clemencei*
- Dale C. Zheng
Dr. Doug Weiser
Thesis: Characterization of the CPI-17 family of inhibitors of Myosin Light Chain Phosphatase in Zebrafish
- Yinhan Zhou
Drs. Joan and Geoff Lin-Cereghino
Thesis: Expression and Functional Characterization of the Recombinant Spider Protein GW2 in the Yeast *Pichia pastoris*
- Master of Science,
Pharmaceutical and
Chemical Sciences**
- Jamie Phan
Dr. Jerry Tsai
Thesis: Investigating Protein Folding by the *de novo* Design of an α -Helix Oligomer
- Ilona Serebnitskaya
Dr. Andreas Franz
Thesis: Complete Structure Assignment of Several Standard Glycosylated Polyphenols – A Basis for Structure Elucidation of Polyphenol Metabolites from Grape Plants Infected with *Xylella fastidiosa*
- Carolyn Tran-Math
- Yi-Ju Tsai
Dr. Qinliang Zhao
Thesis: Two Approaches to the Design and Synthesis of Bimetallic Complexes
- Master of Arts**
- Karen Albiston
- Sean Blumberg
Dr. Matthew Normand
Thesis: The Effect of Parent Modeling on the Rate of Food Consumption in Children
- Kyle James Bruce
- Gina Marie Carbonatto
- Brian DeRhen
Dr. Paul Turpin
Thesis: Metaphor and Ideology in Economic Discourse
- Megan J. Doerr
Dr. Scott Jensen
Thesis: Assessing the Effects of Negative Reinforcement on Parent Integrity When Implementing Time Out
- Evelyn Eyles
Dr. Lara Killick
Thesis: What Role Does Alcohol Play in Athlete Socialization into Intercollegiate Athletics (ICA)?
- Leslie Ann Galbraith
Dr. Matthew Normand
Thesis: Effects of the Good Behavior Game on Physical Activity in Preschool Children
- Daniel Matthew Galloway
Dr. Jon Chamber
Thesis: Cultivating Out of Class Communication Through Facebook
- Mallori Gibson
- Michael Habura
Dr. Peter Schroeder
Thesis: The Effects of a Student Focused Print Intervention on the Physical Activity Habits of Freshman College Students
- Elizabeth Hagen
Dr. Lara Killick
Thesis: Gendered Perceptions of Competitiveness in Sport
- Ben A. Herrera
Dr. Teresa Bergman
Thesis: The Edge of Reality: An Analysis of the Contemporary Video Game Culture
- Elizabeth Anne Herrera
- Laura Hong
Dr. Teresa Bergman
Thesis: Identity Formation and the Twitter Comic Book Community Identity
- Stephanie A. Morris
Dr. Jon Chamber
Thesis: A Qualitative Study of Self-Regulated Learning in Online Learning Environments
- Tyler D. Nighbor
Dr. Carolyn Kohn
Thesis: Investigating the Effects of Repeated Measures on Infant Moral Choices
- Ashley Michele Nuckels
Dr. Teresa Bergman
Thesis: Literacy Liberation: A Critical Ethnography of Book Clubs for Creating Accessible Discursive Spaces for Female and Lesbian Readers
- Anthony C. Oliver
Dr. Matthew Normand
Thesis: An Evaluation of Practitioners? Judgments Regarding the Function of Problem Behavior
- Triton Ong
Dr. Matthew Normand
Thesis: Equivalence-Based Instruction for Critical Thinking Skills
- Leigh A. Pratt
Dr. Matthew Normand
Thesis: The Effect of Physical Activity Information on Self-Reported Activity Levels

Patricia F. Quan
Dr. Scott Jensen
Thesis: A Component Analysis of Behavioral Skills Training (BST) Procedures in Parent Training

Joshua A. Ramsey
Dr. Marlin Bates
Thesis: The Flood of Fanaticism: Charles Sumner's Textual Identification with John Brown in "The Crime Against Kansas"

Eric David Rollins

Punam K. Sandhu

Emily M. Schmit
Dr. Lara Killick
Thesis: Institutional Preparedness for Transgender Student-Athlete Policy

Jafra Devon Thomas
Dr. John Van Ness
Thesis: Exerciser Self-Image and Indices of Health-related Physical Fitness

James Robert Tringham

Jennifer Wassom

Congchong Xu

Corinne Elizabeth Yeider

Heather Marie Zerger
Dr. Matthew Normand
Thesis: A Comparative Analysis of Physical Activity Interventions for Young Children

**Doctor of Philosophy,
 Pharmaceutical and
 Chemical Sciences**

Manali Aggrawal
Dr. Liang Xue
Dissertation: Study of DNA Damage on DNA G-Quadruplexes and Biophysical Evaluation of the Effects of Modified Bases (Lesions) on Their Conformation and Stability

Sampada Nagesh Borkar
Dr. Bálint Sztáray
Dissertation: Very Accurate Gas-Phase Thermochemistry Through Photoelectron Photoion Coincidence (PEPICO) Spectroscopy

Archana G. Chavan
Dr. Jerry Tsai
Dissertation: Exploring the Molecular Architecture of Proteins: Method Development in Structure Prediction and Design

Wanbo Liu
Dr. Liang Xue
Dissertation: Molecule Recognition of Nucleic Acids, Nucleosides, Nucleotides, and Their Derivatives

Xin Liu
Dr. Vyacheslav Samoshin
Dissertation: Fliposomes: pH-Sensitive Liposomes Comprising Novel trans-2-Aminocyclohexanol-based Amphiphiles as Conformational Switches for the Liposome Membrane

Dazhou Yang
Dr. Liang Xue
Dissertation: Synthesis and Biophysical Evaluation of Thiazole Orange Derivatives as DNA Binding Ligands

Yu Zheng
Dr. Vyacheslav Samoshin
Dissertation: Synthesis and Conformational Study of trans-2-Aminocyclohexanol-Based pH-Triggered Molecular Switches and their Application in Gene Delivery

HONOR SOCIETY INDUCTEES

Alpha Sigma Lambda

Alpha Sigma Lambda is the national honor society recognizing excellence among nontraditional students, meaning those who have returned to college later in life and who achieve academic excellence while also fulfilling adult duties of work and family life.

Andrew James Burrage	Erick Mark Ogle
Lisa Marie Haworth-Harris	Tamara Ann Stephens Piazza
Eugenia A. Hernandez*	Chad W. Reed
Gustavo E. Hernandez	Amanda Verstl
John Joseph Langdon IV*	Laura Coyt Zavala
Sally Lochowski Tanaka	<i>*inducted in 2013</i>

Phi Beta Kappa

Founded in 1776, Phi Beta Kappa is the oldest academic honor society in the United States and the first fraternity to use a Greek letter name. The society embraces principles that lay the foundations of personal freedom, scientific inquiry, liberty of conscience, and creative endeavor. Phi Beta Kappa recognizes the highest achievement in the liberal arts, with a small number of members selected from among the top 10% of their class. Nationwide each year, about one college senior in a hundred is invited to join Phi Beta Kappa.

Tanairi Alcaraz	Laura Coyt Zavala
Kelsey Belomy	Danielle Faith Finnick
Brett Chance	Francisco Gonzalez
Shannon Marie Chapman	Eugenia A. Hernandez*
Nathan Chau*	Lydia Eileen Schramm
Sarah Anne Wong*	
<i>*inducted in 2013</i>	

Phi Kappa Phi

Among honor societies that induct members from all academic disciplines, Phi Kappa Phi, founded in 1897, is the nation's oldest, largest, and most selective. Invitation is extended to graduating seniors and graduate students in the top 10% of their class, and to juniors in the top 7.5% of their class. The mission of the society is to recognize and promote academic excellence and to engage the community of scholars in service to others.

Tanairi Alcaraz*	Kamille Serranzana Mercado*
Morgan Elizabeth Andre	Demi Pham*
Jeffery Asano*	Tamara Ann Stephens Piazza
Brett Chance	Cory James Popham
Joy Desirie Clark*	Joshua John Rayburn
Airianna Marie Downs-Murray*	Emily Reber
Danielle Faith Finnick*	Chad W. Reed
Hannan Hawari	Kyle Nikko Sasai
Eugenia A. Hernandez*	Lydia Eileen Schramm
Gustavo E. Hernandez	Dana Nicole Shiroma
Jennifer Kim*	Ngon Chanh Trang
Eric Koester*	Amanda Verstl
Lauren Ashley McDermott	Chun-Ting Wu
Laura Coyt Zavala	
<i>*inducted in 2013</i>	

HISTORY OF THE COLLEGE

College of the Pacific

College of the Pacific—a school of arts, letters and sciences—is the original and largest unit of University of the Pacific. Although founded in 1851 as the University of the Pacific, the institution was for sixty years primarily an undergraduate liberal arts college. In recognition of that reality, its name was changed in 1911 to the College of the Pacific, and thus it remained for the next 50 years. When President Tully C. Knoles moved the College of the Pacific from San Jose to its new campus in Stockton in 1924, he brought with him faculty representing seventeen of the current eighteen departments in the College.

At that time the faculty of the College also included faculty of a Conservatory within the College and of departments of education and engineering. In 1961 the growing institution reclaimed for itself the name University of the Pacific, and in the following year conferred the name College of the Pacific on its liberal arts college. The distinctive mission of the College now, as for the past eight generations, is to provide its graduates with a superior liberal arts education, preparing them to assume the responsibilities of leadership, both civic and professional, in their later lives. In 2012, the School of International Studies, while retaining its autonomy as a school, became part of the College of the Pacific, offering students and faculty the added benefits of a larger community and increased opportunities for interdisciplinary collaboration in international scholarship and curricular offerings.

The College makes a difference in students' lives through its student-centered approach to the teaching of the arts, letters and sciences. Faculty members take a personal interest in student development throughout their university career and often stay in contact beyond graduation. They spend time with students outside of class during office hours, advising and participating in campus events. They are attentive to individual learning styles and regularly rethink their teaching methods in order to help students learn better.

Not only are members of the faculty widely recognized for their leadership in developing effective teaching practices, their one-on-one mentoring, and their encouragement and direction of undergraduate research, but also for their cutting edge research and creative work in the arts, letters and sciences. Faculty members in the College have authored and edited books with the leading university presses, regularly publish important research results

in top scholarly journals, garner research grants from funding agencies such as the National Science Foundation, the National Endowment for the Arts and the National Institutes of Health, and participate in performances or displays of their creative work in distinguished venues.

This scholarly and creative activity spills over into our classrooms and informs the close faculty-student working relationships characteristic of the College, inviting students into a shared journey of discovery. In each of its thirty-two majors and thirty-five minors, the College provides opportunities for students to work with masters in liberal arts subjects and to gain further experience through a variety of placements in internships, fieldwork and research projects. While some of these majors and minors prepare students for entry into professional or graduate school, others lead directly to careers in the performing and visual arts, the humanities and the social and natural sciences.

For students in the College, a liberal arts education is not a mere addition to a professional or graduate education, but rather its foundation. We believe it informs and liberates their understanding of difficult issues and transforms them to become—first and foremost—self-reflective, knowledgeable and ethical persons. Subsequently they are able to command a broad perspective in their professional careers, committed to the welfare of their communities and well prepared to assume the responsibilities of leadership.

PROFILE OF PACIFIC

University of the Pacific is an independent, coeducational university serving more than 6,400 students on three campuses in Stockton, San Francisco and Sacramento. It was established by pioneering Methodist ministers in 1851 as California's first chartered institution of higher learning. Pacific has earned widespread recognition for its deep commitment to teaching and learning, its history of innovation, and the accomplishments of its 55,000 living alumni.

As an innovator and leader in higher education, Pacific provided the state with its first medical school in 1858 (which later became part of Stanford, and today is California Pacific Medical Center); its first coeducational campus in 1870; and its first conservatory of music in 1878.

It was the nation's first to offer an undergraduate teacher corps program, the first to send an entire class to an overseas campus, the first to establish a Spanish-speaking inter-American college, and the first to offer a four-year graduation guarantee. With its move from San Jose to Stockton in 1924, Pacific became the first private four-year university in the Central Valley. Shortly after occupying the new campus, Pacific established one of California's earliest schools of education. In 1992 it was renamed the Gladys L. Benerd School of Education in honor of the alumna's endowed gift.

Pacific has enjoyed extraordinary stability in administration. Dr. Pamela A. Eibeck began her service in 2009 as the sixth President since the University's move to Stockton in 1924 and the 24th since its founding in 1851.

The University experienced its greatest growth and an expansion into graduate and professional education under the administration of Dr. Robert Burns (1947–1971). The School of Pharmacy opened in 1955. It is now the Thomas J. Long School of Pharmacy and Health Sciences, in honor of the Pacific benefactor and Regent who co-founded the former Longs Drugs Stores. In 1956 the graduate school was created, and in 1957 the School of Engineering was established. The Department of Computer Science joined the school in 2002 and was subsequently renamed the School of Engineering and Computer Science.

In 1962, the University acquired the College of Physicians and Surgeons, a school of dentistry founded in San Francisco in 1896. In 2004, the school was named the Arthur A. Dugoni School of Dentistry in honor of its dean of 28 years. It was the first time any university in the United States or Canada had named its dental school for the current dean.

Three new cluster colleges were established at Pacific in the 1960s, in the model of British universities such as Oxford and Cambridge. These colleges integrated faculty and students into distinct living and learning communities. Raymond College, established in 1962, was an accelerated, interdisciplinary liberal arts program in which students shaped their own courses of study. Elbert Covell College, established in 1963, was a unique inter-American college. Half the students were from the U.S. and half from Latin America, with classes taught in Spanish. Callison College, established in 1967, focused on non-Western studies with a year of study in an Asian culture. The cluster colleges were absorbed into the rest of the University in 1982. Their values, including a close-knit learning community, accelerated and interdisciplinary programs, and self-designed majors, have left a lasting impact on Pacific. Their emphasis on global education continued in the School of International Studies, founded in 1987 as the first university-based undergraduate school of international studies in California. In 2012, the School of International Studies, while retaining its autonomy as a school, became part of the College of the Pacific.

In 1966, Pacific broadened its footprint to Sacramento when McGeorge College of Law, an independent law school founded in Sacramento in 1924, merged with the University as the Pacific McGeorge School of Law. In 1977, the department of business administration in College of the Pacific was reorganized as the School of Business and Public Administration. In 1995 it was renamed Eberhardt School of Business in honor of the Eberhardt family's endowed gifts. Programs designed specifically for adult re-entry students were reorganized and revitalized in 1985 through University College, now the Center for Professional and Continuing Education.

Over the last twenty years, Pacific has advanced its legacy of innovation and leadership. Under the leadership of President Donald DeRosa (1995–2009), the University invested more than \$200 million in facilities renovation and construction projects on all three campuses. Pacific also increased distinctive accelerated programs that enabled students to complete undergraduate studies in combination with professional degrees in pharmacy, law, dentistry and business. The University intensified its commitment to experiential learning, including undergraduate research, internships, community service and education abroad. Pacific also launched the Brubeck Institute, dedicated to building on the legacy of Dave Brubeck '42, and the Powell Scholars Program, a premier scholarship program for undergraduate student leaders.

Dr. Pamela A. Eibeck assumed Pacific's Presidency in 2009. Under her stewardship Pacific is expanding its presence in Sacramento and San Francisco and implementing a bold new strategic vision, Pacific 2020. This vision capitalizes on Pacific's highly regarded academic programs, formative student-teacher relationships and multiple locations to position University of the Pacific to become the best teaching-focused university in California—the first choice for talented students who want excellent programs, close working relationships with faculty, a challenging but supportive learning environment, and an exciting future after graduation.

In 2013, the University received a transformational gift of \$125 million from the estate of the late Regents Robert and Jeannette Powell. The Powells were ardent champions of the University's educational mission, and great advocates for access and excellence. In accordance with their wishes, their gift has been endowed and earmarked for scholarships and academic programs. A large portion of the gift will be used to encourage others to make new endowment gifts through the Powell Fund Match Program. Our donors' generosity and passion for Pacific will mean that generations of students will be able to achieve a superior education.

The University recently completed renovations on a new campus in San Francisco, at 155 Fifth Street, which will open in July 2014. The new campus provides the requisite space and facilities for the Arthur A. Dugoni School of Dentistry to continue defining the frontiers of dental education. It also extends Pacific's educational footprint and visibility in San Francisco in the health, tech, music, and food sectors. Additional new programs will be added in the coming years as Pacific focuses on attracting new student markets and leveraging its presence in three of Northern California's most prominent cities.

President Eibeck has made community engagement a priority for the University. In 2010, Pacific launched the "Beyond Our Gates... Into the Community" initiative in order to forge community partnerships that improve lives in our region. As part of Beyond Our Gates, the University has launched The Tomorrow Project, an intensive K-12 educational outreach program, and the Beyond Our Gates Community Council, an advisory body comprising local leaders in San Joaquin County. The Community Council has garnered national attention through its work to improve early literacy in San Joaquin County.

On July 1, 2013, University of the Pacific rejoined the West Coast Conference. A founding member of the conference, Pacific shares its sister institutions' long tradition in intercollegiate

athletics and their dedication to high quality academics and athletic success.

Pacific continues to enjoy national recognition for its leadership in higher education, consistently ranked among the best national universities by U.S. News & World Report and Princeton Review. The University has been listed as a "Best Value" (Top 50) by U.S. News & World Report every year since 2000. U.S. News also ranks Pacific very high for ethnic (Top 5) diversity. In 2012, PayScale, which tracks salary information, ranked the University in the top 75 institutions in the United States for highest paid graduates.

The University remains deeply committed to its personal, student-centered approach. Faculty and staff are dedicated to excellence in teaching. Close faculty mentoring, a rich blend of liberal arts and professional education, and a broad array of experiential learning activities that prepare students for lasting achievement are hallmarks of the Pacific experience.

HISTORICAL SIGNIFICANCE OF THE UNIVERSITY MACE

Originally a weapon used in medieval warfare, the mace evolved by the 12th century into a symbolic device used on ceremonial occasions and borne before monarchs, mayors and parliaments. The mace, as an academic symbol, dates back to the 15th century at the University of St. Andrews in Scotland. The use of maces as symbols of academic authority spread to other universities in the British Isles and from there to America.

Robert E. Burns, Pacific president from 1946 to 1971, asked Stuart Devlin, an internationally-known London silver designer, to create University of the Pacific's mace. It was commissioned in recognition of the University's transition from a college to a university and was first used at a Founders Day ceremony on March 6, 1966. Constructed entirely of silver with a gold plated seal of the University in its head, the mace weighs 15 pounds and is approximately four feet long. It was a gift from Mrs. Winifred Olson Raney, a Regent of the University. The mace is displayed at all official University functions, including Commencement and Convocation. It is traditionally carried by the chair of the Academic Council to symbolize the role of the faculty in university governance.

SCHOOL AND COLLEGE BANNERS

School and college banners signifying each of the academic units of the University precede a unit's faculty in the procession and are displayed during the ceremony. The color of the banner symbolizes the academic discipline.

College of the Pacific — The golden yellow field of this banner represents the sciences, while the white letters signify the arts and humanities. Founded in 1851, the College of the Pacific is the largest and oldest academic unit.

University Library — This banner's lemon-yellow color represents the library sciences. The Library has supported teaching, learning and scholarship since Pacific's founding in 1851. It is home to many special collections, including the papers of naturalist John Muir and musician Dave Brubeck.

Conservatory of Music — The tradition of representing music with the color pink originated at Oxford University. Pacific's Conservatory, established in 1878, is the first university-affiliated school of music in the West.

Arthur A. Dugoni School of Dentistry — The lilac color of dentistry forms the field for this banner. Founded in 1896 as the College of Physicians and Surgeons, the School became part of the University in 1962. It is named in honor of the alumnus who served as dean of the school from 1978 to 2006.

Pacific McGeorge School of Law — Purple, a color traditionally associated with royalty and governance, represents the law. Named in honor of its founder, Verne Adrian McGeorge, the School opened in 1924 and merged with Pacific in 1966.

Gladys L. Benerd School of Education — The light blue field signifies disciplines related to education. The School is named in honor of the distinguished alumna who bequeathed the school with an endowment. It was founded in 1924 when the University moved to Stockton.

Thomas J. Long School of Pharmacy and Health Sciences — Pharmacy is represented by olive green, a color associated with healing herbs. The School, established in 1955, is named for the benefactor and Regent who, with his brother Joseph, founded Longs Drugs Stores.

Research and Graduate Studies — Red-orange signifies this division, which was established in 1956 as Pacific expanded its graduate degree offerings.

School of Engineering and Computer Science — This banner's orange represents the engineering and computer science disciplines. The School was founded in 1957 from a department that dates to the 1930s.

Eberhardt School of Business — The School's banner features an olive brown field. Founded in 1977, the School was renamed in 1995 in honor of the Eberhardt Family's endowed gifts.

School of International Studies — Peacock blue symbolizes the field of international studies. The School was established in 1987 with a gift from George and Isabelle Wilson.

SIGNIFICANCE OF ACADEMIC REGALIA

Distinctive academic dress can be traced back to the universities of the Middle Ages when university students and faculty wore the robes of the clergy. Today three ranks of degrees are distinguished through variations in the robes, which also indicate the discipline and the university that awarded the degree.

In the United States, gowns generally are black. The color of the edging of the hood and occasionally the color of the facing and crossbars on the doctoral gown indicate the field of learning in which the degree is awarded. The colors of the lining of the hood are those of the institution awarding the degree. Generally, bachelor's and master's tassels are black, and doctoral tassels are gold. After graduation the tassel is worn on the left side of the Mortarboard. An individual's degree is revealed by the type of gown and width of the edging on the hood.

Bachelor's gowns have full, pointed sleeves with no trimming. Hoods have a two-inch edging. Master's gowns prior to 1960 had full, closed sleeves with the arm emerging through a slit at the elbow. In 1960, the gown was modified replacing the elbow slit with an opening at the wrist, and the gown was made to close. Hoods have a three-inch edging. Doctor's gowns are of silk, have rounded sleeves, velvet facing down the front and three velvet crossbars on each sleeve. Hoods have side panels and a five-inch facing.



Pacific Hail!

Words and Music by
Lois Warner Winston '23, '58

*From o'er the rugged mountains
standing high;*

*From out the broad low valleys,
'neath the sky;*

Our alma mater calls, we cannot fail,

Our voices blend in praise,

Pacific Hail! Pacific Hail!

Long may her flaming torch give out its light;

Long may her spirit guide us in the right;

*To her we pledge our hearts,
We dare not fail;*

To her we raise our song,

Pacific Hail! Pacific Hail!

College of the Pacific

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