

**UNIVERSITY OF CALIFORNIA  
SAN DIEGO DIVISION OF THE ACADEMIC SENATE  
REPRESENTATIVE ASSEMBLY**  
[see pages 3 and 4 for Representative Assembly membership list]

**NOTICE OF MEETING**  
**Tuesday, April 3, 2018, 3:30 p.m.**  
**Garren Auditorium, Biomedical Sciences Building, 1<sup>st</sup> Floor**

**ORDER OF BUSINESS**

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(1) Minutes of Meeting of February 6, 2018	5
(2-7) Announcements	
(a) Chair Farrell Ackerman	Oral
(b) Chancellor Pradeep Khosla	Oral
(c) Gary Matthews, Vice Chancellor-Resource Management and Planning Intergenerational Senior Housing	Oral
(8) Special Orders	
(a) Consent Calendar	
Senate Election – Nominations for Committee on Committees	Handout
(9) Reports of Special Committees <i>[none]</i>	
(10) Reports of Standing Committees	
(a) Graduate Council, Sorin Lerner, Chair; and Daniel Sievenpiper, Professor, Department of Electrical and Computer Engineering	
• Proposed MS and PhD degrees in Electrical Engineering (Applied Electromagnetics)	83
(b) Graduate Council, Sorin Lerner, Chair; and Geert Schmid-Schoenbein, Professor, and Adam Engler, Associate Professor, Department of Bioengineering	
• Proposed MS Degree in Bioengineering with a Medical Specialization	84
(c) Committee on Senate Awards, Adam Burgasser, Committee Member	
• Distinguished Teaching Awards	Oral
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• Proposed Name Change of the terminal MS Degree associated with the PhD in Biostatistics from MS in Biostatistics to MS in Biostatistical Sciences	85
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(11) Reports of Faculties *[none]*

(12) Petitions of Students *[none]*

(13) Unfinished Business *[none]*

(14) New Business

**REPRESENTATIVE ASSEMBLY 2017-2018 MEMBERSHIP**

**Ex Officio Members:**

Chair of Division	Farrell Ackerman
Chancellor	Pradeep Khosla
Vice Chair of Division	Robert Horwitz
2016-17 Chair of Division	Kaustuv Roy
Chair, Committee on Academic Personnel	Susan Narucki
Chair, Committee on Admissions	Joshua Kohn
Chair, Campus Community Environment	Shirley Meng
Chair, Committee on Committees	Kimberly Prather
Chair, Committee on Diversity and Equity	Rommie Amaro
Chair, Educational Policy Committee	Stephanie Mel
Chair, Committee on Faculty Welfare	C.K. Cheng
Chair, Graduate Council	Sorin Lerner
Chair, Committee on Planning and Budget	Steven Constable
Chair, Committee on Privilege and Tenure	Michael Gorman
Chair, Committee on Research	Emmanuel Theodorakis
Chair, Undergraduate Council	Samuel Rickless
Member, Academic Assembly	Anna Joy Springer
Member, Academic Assembly	Deborah Hertz
Executive Vice Chancellor, Academic Affairs	Elizabeth Simmons
Vice Chancellor, Health Sciences	David Brenner
Vice Chancellor, Marine Sciences	Margaret Leinen
Vice Chancellor, Research	Sandra Brown

**Representatives:**

**Elected Members**

**Alternates**

Divisional Representative (at-large)	Robert Kluender ('19)	_____	
	Elizabeth Koumives ('19)	_____	
	Joseph Pogliano ('19)		
Revelle College	Gourishankar Ghosh ('18)	Charles Perrin ('18)	
	Rick Firtel ('19)	Darren Lipomi ('19)	
John Muir College	Joshua Figueroa ('19)	Lelli Van Den Einde ('19)	
	Adam Burgasser ('18)	James Nieh ('18)	
Thurgood Marshall College	Julian Betts ('18)	Sheng Xu ('18)	
	Dan Hallin ('18)	Christine Hunefeldt ('18)	
Earl Warren College	Yuri Bazilevs ('18)	Ella Tour ('18)	
	John Hildebrand ('18)	Doug Nitz ('18)	
Roosevelt College	Gershon Shafir ('18)	Charles Tu ('18)	
	Babak Rahimi ('18)	Richard Biernacki ('18)	
Sixth College	Lei Ni ('18)	_____	
	Robert Pomeroy ('18)	Haim Weizman ('18)	
	Mark Appelbaum ('19)	Henry Powell ('19)	
Emeritus Faculty	_____	_____	
Anesthesiology	Margaret Schoeninger ('18)	Guillermo Algaze ('18)	
Anthropology	Gert Cauwenberghs ('18)	Prashant Mali ('18)	
Bioengineering	Li-Fan Lu ('19)	Carolyn Kurle ('19)	
Biological Sciences	Eduardo Macagno ('19)	James Wilhelm ('19)	
	Wendy Huang	Pradipta Ghosh	
Cellular & Molecular Med.	Navtej Toor ('18)	Mike Tauber ('18)	
Chemistry & Biochemistry	Patricia Jennings ('19)	_____	
	Gedeon Deak ('19)	Angela Yu ('18)	
Cognitive Science	Olga Vasquez ('18)	Elana Zilberg ('18)	
Communication	Rajesh Gupta ('19)	_____	
Computer Science & Engineering	Hovav Shacham ('19)	_____	
	Bryan Sun ('19)	Anna DiNardo ('19)	
Dermatology	David Lagakos ('18)	Prashant Bharadwaj ('18)	
Economics	Mark Machina ('19)	Jim Andreoni ('19)	
	Shana Cohen ('18)	Carolyn Hofstetter ('18)	
Education Studies	David Sworder ('18)	Zhaowei Liu ('18)	
Electrical & Computer Engineering	Yuan Taur ('18)	Ken Kreutz-Delgado ('18)	
	Christopher Kahn ('19)	Radhika Sundararajan ('19)	
Emergency Medicine	Jillian Hernandez ('18)	Daphne Taylor-Garcia ('18)	
Ethnic Studies	Elena Martinez ('18)	Cheryl Anderson ('18)	
Family Medicine and Public Health	_____	_____	

Global Policy and Strategy	Roger Bohn	('18)	Bruce Lehman	('18)
History	Rebecca Plant	('18)	Mark Hanna	('18)
	Robert Westman	('18)	Rachel Klein	('18)
Linguistics	Grant Goodall	('18)	Rachel Mayberry	('18)
Literature	Stephanie Jed	('18)	Daniel Vitkus	('18)
	William O'Brien	('19)	Jody Blanco	('19)
Mathematics	Jason Schweinsberg	('18)	Dimitris Politis	('18)
	Adrian Ioana	('19)	Cristian Popescu	('19)
Mechanical & Aerospace Engineering	Robert Bitmead	('19)	Sonia Martinez	('19)
	James Friend	('19)	Prab Bandaru	('19)
Medicine	Doug Conrad	('19)	Bernd Schnabel	('19)
	Alison Moore	('19)	Nai Wen Chi	('19)
Music	Sarah Hankins	('18)	Wilfrido Terrazas	('19)
NanoEngineering	Jian Luo	('18)	Donald Sirbuly	('18)
Neurosciences	Takaki Komiyama	('19)	Robert Rissman	('19)
	Ron Ellis	('19)	Eric Halgren	('19)
Ophthalmology	Karl Wahlin	('19)	Derrick Welsbie	('19)
Orthopaedics	Jan Hughes-Austin	('19)	Simon Schenck	('19)
Pathology	Jonathan Lin	('18)	David Pride	('18)
	Nigel Calcutt	('19)	Oluwole Fadare	('19)
Pediatrics				
Pharmacology	David Gonzalez	('18)	Joseph Adams	('19)
Philosophy	Matthew Fulkerson	('18)	Clinton Tolley	('18)
Physics	Massimiliano Di Ventra	('18)	Richard Averitt	('18)
	Jeremie Palacci	('19)	Avi Yagil	('19)
Political Science	David Mares	('18)		
	Simeon Nichter	('18)		
Psychiatry	Niloo Afari	('18)	Gregory Arons	('18)
	Jared Young	('18)	Barton Palmer	('18)
Psychology	Edward Vul	('19)	Timothy Rickard	('19)
Radiation Medicine & Applied Sciences				
Radiology	Amilcare Gentili	('18)	Roland Lee	('18)
	David Dubowitz	('18)	Jiang Du	('18)
Rady School of Management	Rossen Valkanov	('19)	Craig Mc Kenzie	('19)
Reproductive Medicine	David Natale	('18)	Dwayne Stupack	('18)
SIO	Andrew Allen	('18)	Laurence Armi	('18)
	Andreas Andersson	('18)	Amato Evan	('18)
	Jennifer Taylor	('18)	Stuart Sandin	('18)
	Ian Eisenman	('19)	James Day	('19)
	Sarah Purkey	('19)	Ryan Hechinger	('19)
	Jane Willenbring	('19)	Lynn Russell	('19)
Sociology	Mary Blair-Loy	('19)	Jeffrey Haydu	('19)
	Akos Rona-Tas	('19)	Martha Lampland	('19)
SSPPS	Bradley Moore	('18)	Dionicio Siegel	('18)
Structural Engineering	John McCartney	('18)	Chia-Ming Uang	('18)
Surgery	Justin Brown	('18)	Rebecca White	('18)
	Andrew Baird	('18)	Mark Onaitis	('18)
Theatre and Dance	Robert Castro	('18)	Victoria Petrovich	('18)
	Alan Burrett	('19)	Marco Barricelli	('19)
Urology	Christina Jamieson	('19)	Ithaa Derweesh	('19)
Visual Arts	John Welchman	('18)	Grant Kester	('18)
	Ruben Ortiz	('18)	Kuiyi Shen	('18)

**Advisors:**

Research - General Campus	Amarnath Gupta	('18)	Harinath Gurudadri	('18)
Research - Health Sciences	Ellen Breen	('18)	Charles King	('18)
Research - Marine Sciences	Peter Bromirski	('18)	Peter Gerstoff	('18)
Undergraduate Student	Kate Pham	('18)		
Undergraduate Student	Lesly Figueroa	('18)		
Graduate Student	Mark Derdzinski	('18)		
Graduate Student	Vladimir Jovanovic	('18)		

**Parliamentarian**

Gerry Mackie

**UNIVERSITY OF CALIFORNIA  
SAN DIEGO DIVISION OF THE ACADEMIC SENATE  
REPRESENTATIVE ASSEMBLY  
February 6, 2018  
MINUTES**

Chair Ackerman called the meeting to order. A quorum was present (see attached attendance sheet), along with other Academic Senate members and guests. Chair Ackerman welcomed everyone and introduced Senate Vice Chair Robert Horwitz and Professor Gerry Mackie, Parliamentarian. Chair Ackerman introduced the Academic Senate staff members who were present: Ray Rodriguez, Director of the Academic Senate Office; Tara Mallis, Assembly Recorder; Trevor Buchanan, Applications Programmer and technical support; Hillary Flocke, Senate Analyst; and Andrew Flores, Executive Assistant. Chair Ackerman reviewed the Academic Senate Bylaws governing membership, privileges of the floor, and voting.

**MINUTES OF THE MEETING OF DECEMBER 12, 2017**

There were no objections and the minutes of the meeting of December 12, 2017 were approved.

**ANNOUNCEMENTS BY THE CHAIR OF THE DIVISION**

Chair Ackerman provided a brief update from the most recent meeting of the systemwide Academic Council.

The Academic Council discussed questions regarding Chancellor Napolitano's relationship with the UC Regents and the State Legislature, and her effectiveness as negotiator and chief representative of the UC System. Results of a recent survey on faculty salaries and benefits, comparing UC faculty salaries and benefits to faculty salaries and benefits at comparator public and private institutions, were also discussed. Currently there is an 8.4% gap between the means of the comparator institutions and the UC system. The survey also raised awareness of salary equity issues across the UC campuses. The gap jeopardizes UC faculty recruitment and retention. The systemwide University Committee on Faculty Welfare is engaging in further discussions regarding the issue of faculty salary equity. Academic Council also discussed the possible restructuring of the responsibilities of the Office of the President (UCOP), and commented on potential opportunities to strengthen shared governance and promote more cooperative decision making across UCOP, the Academic Senate, and campuses.

Chair Ackerman also shared an update about the Systemwide Academic Planning Committee (SAPC). The SAPC, led by new Provost Michael Brown, will address misperceptions about the University, and clarify the University's role. The SAPC has formed two workgroups: "Articulating UC's Academic Mission," and "Defining the Importance of Graduate Education."

At the close of the announcements, Chair Ackerman introduced Chancellor Khosla and invited him to address the Assembly.

**ANNOUNCEMENTS BY CHANCELLOR PRADEEP KHOSLA**

Chancellor Khosla thanked Chair Ackerman for the opportunity to address the Assembly and shared a brief update on recent developments at UC San Diego. First, Chancellor Khosla highlighted the selection of Georgia Congressman John Lewis as the commencement speaker, and noted the broad input that went into his selection. Second, Chancellor Khosla commented on the re-envisioning of the Hillcrest campus, in response to the need to comply with seismic building requirements by 2030. He explained that the idea is to create a continuous Hillcrest campus that will include a new hospital, in addition to a number of other buildings and facilities to provide community and patient spaces, and space for housing and research. It is anticipated that the housing on the Hillcrest campus will be able to generate revenue for the campus. Finally, Chancellor Khosla shared that the groundbreaking for the new North Torrey Pines

Living and Learning Neighborhood will begin the day after graduation. These new buildings will offer undergraduate housing as well as academic facilities for the Division of Arts and Humanities and Social Sciences.

Chair Ackerman thanked Chancellor Khosla for his announcements.

## **SPECIAL ORDERS**

### **Consent Calendar**

- **Committee Annual Reports**

The annual report for Undergraduate Council for the 2016-2017 academic year was distributed with the Representative Assembly meeting materials.

Chair Ackerman asked if there were any questions or comments about the report. There were no questions or comments and the report was received for filing without objection.

- **Committee on Committees Temporary Appointment**

Chair Ackerman invited Professor Robert Horwitz, Senate Vice Chair, to a discuss temporary appointment needed for the Committee on Committees (ConC).

Professor Horwitz explained that there is a vacancy on ConC for a faculty member from an Arts department for the Spring 2018 quarter. Since the remainder of the term is less than one year, Representative Assembly can appoint a replacement without holding a special election. Senate Council nominated Professor Emeritus Cecil Lytle (Music) to serve as the replacement. Professor Horwitz detailed Professor Lytle's previous Senate service, including his previous service on ConC.

Professor Horwitz made a motion on behalf of Senate Council to approve Professor Lytle's temporary appointment to ConC for the spring 2018 quarter by a voice vote. The appointment was approved unanimously.

## **REPORTS OF SPECIAL COMMITTEES** [None]

## **REPORTS OF STANDING COMMITTEES**

### **Senate Council**

- **Seventh Undergraduate College Pre-Proposal**

Chair Ackerman invited Professor Horwitz and John Moore, Dean of Undergraduate Education, to provide an overview of the pre-proposal for Seventh College. Dean Moore briefly explained the process for starting a new college, and noted that the pre-proposal was the result of more than a year of deliberations by several groups and task forces. Dean Moore shared slides addressing four key areas of review: the need for the college; the academic rigor of the curriculum; the financial viability of the proposed college; and the fit within the University system.

Dean Moore highlighted UC San Diego's mission to be student-centered, and noted that the colleges are the main vehicles through which the campus provides services to students. It was explained that based on current and anticipated enrollments, a seventh college is needed to ensure that each college is serving a manageable number of students, ensuring that the quality of services is not compromised. Additionally, since the growth of the student population will necessitate an increase in student services staff, the cost of the seventh college will be minimal, even factoring in the faculty costs of a Provost and the FTE required to hire a Writing Program Director.

In terms of the proposed college's academic rigor, Dean Moore explained that the general education requirements will ensure an interdisciplinary, liberal arts education. Additionally, in response to previous feedback from the Academic Senate, Dean Moore noted that the development of the curriculum will present an opportunity for the campus to re-imagine the concept of general education. Dean Moore also stressed that the theme of the proposed college has not been finalized, and that the two themes mentioned in the pre-proposal were only intended to be examples.

Dean Moore briefly outlined the timeline and steps for creating a full proposal. Dean Moore noted the intent to build broad campus engagement in the seventh college development process, with input actively solicited from students, staff, and faculty. Dean Moore also pointed out that the proposal process would provide leadership opportunities for faculty and possibly help identify potential future provosts.

At the close of Dean Moore's presentation, Professor Horwitz made a motion on behalf of Senate Council to approve the pre-proposal for the seventh undergraduate council. Because the motion was made on behalf of a Senate committee, no second was needed. Chair Ackerman opened the floor to questions and comments.

An attendee asked whether there would be funds in the budget for the new campus to provide for the maintenance of buildings. Dean Moore confirmed that the budget for the full proposal will include funds for building maintenance. Chancellor Khosla commented that currently, the Department of Housing, Dining, and Hospitality sets the maintenance priorities, but going forward, work is being done to develop a different planning process to address maintenance issues and costs.

At the close of questions, Chair Ackerman called for a voice vote to approve the motion. The motion to approve the Seventh College pre-proposal was approved unanimously.

[Note: The slides for this presentation are included with these minutes as Enclosure A.]

- School of Public Health Pre-Proposal

Chair Ackerman introduced Professor Horwitz and Doug Ziedonis, Associate Vice Chancellor – Health Sciences, to provide an overview of the pre-proposal for the School of Public Health (SPH). Dr. Ziedonis thanked Dr. Bob Ross and Dr. David Strong who provided assistance in preparing the pre-proposal, noted the strong support for the SPH within Health Sciences, and commented on the broad engagement of faculty and other individuals across disciplines. Dr. Ziedonis shared slides addressing four key areas of review: the need for the school; the academic rigor of the curriculum; the financial viability of the proposed school; and the school's fit within the University system.

Dr. Ziedonis explained what public health is and shared that there is a statewide shortage of public health professionals. He outlined the areas within this field where UC San Diego is poised to distinguish itself. It was noted that there is a lot of interest in this field among students, and that this program will provide more opportunities for joint programs, hires, and degree programs across the campus. Dr. Ziedonis shared that two financial models were created for the pre-proposal, one that incorporates no additional financial support and one that incorporates financial gifts. Currently, there are several gift proposals pending that would benefit this school, if established. It is anticipated that the school will attract strong faculty and students. Dr. Ziedonis noted that the undergraduate and graduate programs in public health provide strong building blocks for the proposed school, but clarified that the existing public health programs outside of Health Sciences will not be part of the proposed school. No conflicts between the school and existing programs are expected.

Dr. Ziedonis thanked the Senate committees who provided feedback, and shared a slide outlining a response to questions submitted by Senate Council. Among the clarifications, it was explained that the proposed school would only add one new PhD program, and that more details regarding the interdisciplinary focus of the program will be placed in the final proposal, along with clear plans for how the school will interact with existing programs.

At the close of the presentation, Professor Horwitz made a motion to approve the SPH pre-proposal. Because the motion was made on behalf of a Senate committee, no second was needed. The floor was opened to questions and comments.

An attendee asked where arts and humanities disciplines could fit into the proposal, and commented that highlighting how these disciplines would fit within the curriculum could make the proposal stronger. Dr. Ziedonis agreed that the arts and humanities could be further incorporated into the proposal and suggested that the attendee participate in the SPH advisory group. Another attendee commented that the proposal sounded more like a reorganization and realignment of existing structures into a new administrative structure. Dr. Ziedonis responded that more funding is expected in the future and organizing as a school now will put the school in the best position to create FTEs and other new opportunities going forward.

An attendee asked whether the departments of Family Medicine and Psychiatry would be housed within the new school. Dr. Ziedonis explained that the Public Health faculty within the department of Family Medicine recognized the advantage of establishing a school and it is anticipated that small groups of faculty members from various departments will eventually move over into the school. An attendee asked whether the school would have a new building. It was explained that it is hoped that a new building for the school will be possible eventually. Another attendee asked about the cost to students. Dr. Ziedonis explained that the UCSD SPH will look to other UC schools of public health to determine the cost.

At the close of questions, Chair Ackerman called for a voice vote on the motion to approve the SPH pre-proposal. The pre-proposal was approved unanimously.

[Note: The slides for this presentation are included with these minutes as Enclosure B.]

### Graduate Council

In the absence of the Chair of Graduate Council, Chair Ackerman invited Professor Shahrokh Yadegari, Vice Chair of Graduate Council, to present the proposals from Graduate Council.

- M.A. Global Health, (Interdisciplinary) Global Health Program  
Professor Yadegari introduced Professor Thomas Csordas, Director of the Global Health Program to present the proposal for the M.A. in Global Health. Professor Csordas shared slides outlining the proposed degree program for a one-year Masters of Art in Global Health (MAGH). Currently, the campus has an interdisciplinary B.A. program in Global Health housed in the Department of Anthropology. The existing B.A. program has a solid infrastructure that includes faculty across a variety of departments who are dedicated to growing the Master's program if approved. Additionally, surveys of recent graduates indicate substantial interest in the proposed MAGH. Professor Csordas noted that this program was developed in consultation with the Public Health program. Currently, the B.A. programs in Public Health and Global Health have a collaborative relationship and it is expected that a continued, complimentary relationship between the proposed MAGH and the recently approved Masters in Public Health, will benefit both programs as they develop further. Professor Csordas also read a statement of support for the program from Professor Carol Padden, Dean of Social Sciences.



At the close of the presentation, Professor Yadeghari made a motion on behalf of Graduate Council to approve the proposed Masters in Global Health. Because the motion was made on behalf of a Senate committee, no second was needed. Chair Ackerman opened the floor to questions and comments.

An attendee suggested incorporating an internship as a graduation requirement to ensure the students have practical experience. Professor Csordas explained that the incorporation of an internship was strongly considered but ultimately, it was determined that the one year program would not be able to incorporate mandatory field experience. It was pointed out that the Bachelor's program does accommodate internship experience, and many students coming from the Bachelor's program will have experience.

The Executive Vice Chancellor (EVC) pointed out that the proposal calls this a "state supported" program, and commented that this language would be confusing given the program's self-supporting budget model. The EVC explained that while the budget model includes some state funds, the program is designed to be self-supporting. The EVC made a motion to strike "state supported" language describing the program. Chair Ackerman called for a second. The motion was seconded. Chair Ackerman opened the floor for further discussion of the proposed amendment. There was no further discussion. Chair Ackerman called for a voice vote to approve the motion to strike "state support" language from the proposal. The motion was approved unanimously.

Chair Ackerman called for a voice vote on the motion to approve the proposed Masters in Global Health as amended. The amended proposal was approved unanimously.

[Note: The slides for this presentation are included with these minutes as Enclosure C.]

- Discontinuance of Department of Education Studies Ed.D. in Teaching & Learning  
Professor Yadegari introduced Professor Christopher Halter from the Department of Education Studies (DES), to present the proposal to discontinue the Ed.D. in Teaching & Learning in the Department of Education Studies.

Professor Halter explained that the DES started phasing out the Ed.D. in Teaching & Learning once the Ph.D. in Education was approved and started enrolling students. The department stopped admitting students to the Ed.D. program once the second cohort of Ph.D. students started their program, and the final Ed.D. student will complete the program in the Spring Quarter. Currently, around 100 applications per year are received for the Ph.D. cohort of eight to ten students. Professor Halter noted that the department still offers the Ed.D. in Educational Leadership, a joint degree with California State University San Marcos.

At the close of the presentation, Professor Yadegari made a motion on behalf of Graduate Council to discontinue the Department of Education Studies Ed.D. in Teaching & Learning. Because the motion was made on behalf of a Senate committee, no second was needed. The floor was opened to questions and comments. There being no questions or comments, Chair Ackerman called for a voice vote. The motion was approved unanimously.

- Name Change of the M.A. and Ph.D. degrees in the Department of Psychology from Psychology to Experimental Psychology  
Professor Yadegari introduced Professor Victor Ferreira, Chair of the Department of Psychology, to provide an overview of the proposal to change the names of the M.A. and Ph.D. degrees in the Department of Psychology from Psychology to Experimental Psychology.

Professor Ferreira explained that currently, all research and teaching within the Department of Psychology is already done in experimental psychology, not general psychology as currently notated. This change would more clearly represent the focus of the department's programs. Additionally, the National Center on Education Statistics does not classify general psychology programs as STEM-designated degrees, but experimental psychology programs are recognized as STEM-designated degrees. Professor Ferreira explained that a STEM-designated degree code will provide more opportunities for the students, including making the department's graduate students more clearly eligible for STEM fellowships. No curricular changes are being requested.

At the close of the presentation, Professor Yadegari made a motion on behalf of the Graduate Council to approve the proposal to change the names of the M.A. and Ph.D. degrees in the Department of Psychology from Psychology to Experimental Psychology. Because the proposal was made on behalf of a Senate committee, no second was needed. The floor was opened to questions and comments. There being no questions or comments, Chair Ackerman called for a voice vote. The motion was approved unanimously.

## **REPORTS OF FACULTIES**

### **Health Sciences Faculty Council**

- *Proposed Revisions to the Bylaws of the Faculties of UCSD: Appendix V, Section 5.7 Bylaws of the School of Medicine; Section 5.11, Bylaws and Regulations of the Faculty of the School of Pharmacy and Pharmaceutical Sciences*

Chair Ackerman invited Dr. Sonia Ramamoorthy, Chair of the Health Sciences Faculty Council (HSFC) to explain the proposed revisions to *Appendix V, Sections 5.7 and 5.11*. Dr. Ramamoorthy outlined the proposed changes to *Section 5.7*, and explained that the proposal would increase term limits for certain committees, increase the number of faculty voting members for certain committees, and would update administrative titles. Dr. Ramamoorthy outlined the proposed changes to *Section 5.11*, and explained that in addition to updating administrative titles, the proposed changes would allow students to drop pre-clinical elective courses through the end of the 10<sup>th</sup> week with no notation on their transcripts. Dr. Ramamoorthy explained that pre-clinical elective courses are meant to engage students in areas of interest, but such courses are not part of the core curriculum.

Dr. Ramamoorthy made a motion to approve the proposed revisions to *Appendix V, Section 5.7 Bylaws and the School of Medicine*, and *Section 5.11, Bylaws and Regulations of the Faculty of the School of Pharmacy and Pharmaceutical Sciences*. Because the motion was made on behalf of a faculty body, no second was needed. The floor was opened to questions and comments. There being no questions or comments, Chair Ackerman called for a voice vote to approve the motion. The motion was approved unanimously.

### **PETITIONS OF STUDENTS** [None]

### **UNFINISHED BUSINESS** [None]

### **NEW BUSINESS** [None]

Chair Ackerman called for new business. There being none, the meeting was adjourned at 4:58 p.m.

Tara A. Mallis, Senate Analyst  
Hillary Flocke, Senate Analyst

**REPRESENTATIVE ASSEMBLY 2017-2018 MEMBERSHIP**

10/31	12/12	2/6	4/3	6/5
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**Ex Officio Members:**

- Farrell Ackerman (Chair of Division)
- Pradeep Khosla (Chancellor)
- Robert Horwitz (Vice Chair of Division)
- Kaustuv Roy (2016-17 Chair of Division)
- Susan Narucki (Chair, Committee on Academic Personnel )
- Joshua Kohn (Chair, Committee on Admissions)
- Shirley Meng (Chair, Campus Community Environment)
- Kimberly Prather (Chair, Committee on Committees)
- Rommie Amaro (Chair, Committee on Diversity and Equity)
- Stephanie Mel (Chair, Educational Policy Committee)
- C.K. Cheng (Chair, Committee on Faculty Welfare)
- Sorin Lerner (Chair, Graduate Council)
- Steven Constable (Chair, Committee on Planning and Budget)
- Michael Gorman (Chair, Committee on Privilege and Tenure)
- Emmanuel Theodorakis (Chair, Committee on Research)
- Samuel Rickless (Chair, Undergraduate Council)
- Anna Joy Springer (Member, Academic Assembly)
- Deborah Hertz (Member, Academic Assembly)
- Elizabeth Simmons (Executive Vice Chancellor, Academic Affairs)
- David Brenner (Vice Chancellor, Health Sciences)
- Margaret Leinen (Vice Chancellor, Marine Sciences)
- Sandra Brown (Vice Chancellor, Research)

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**Elected Members [Alternates in square brackets]**

- Robert Kluender / [](Divisional Representative (at-large))
- Elizabeth Koumives / [](Divisional Representative (at-large))
- Joseph Pogliano / [](Divisional Representative (at-large))
- Gourishankar Ghosh / [Charles Perrin] (Revelle College)
- Rick Firtel/ [Darren Lipomi](Revelle College)
- Joshua Figueroa/ [LelliVan Den Einde](John Muir College)
- Adam Burgasser/ [JamesNieh](John Muir College)
- Julian Betts/ [ShengXu](Thurgood Marshall College)
- Dan Hallin/ [Christine Hunefeldt](Thurgood Marshall College)
- Yuri Bazilevs/ [Ella Tour](Earl Warren College)
- John Hildebrand/ [DougNitz](Earl Warren College)
- Gershon Shafir/ [CharlesTu](Roosevelt College)
- Babak Rahimi/ [RichardBiernacki](Roosevelt College)
- Lei Ni/ [] (Sixth College)
- Robert Pomeroy/ [HaimWeizman](Sixth College)
- Mark Appelbaum/ [Henry Powell](Emeritus Faculty)  
/ [](Anesthesiology)
- Margaret Schoeninger/ [GuillermoAlgaze](Anthropology)
- Gert Cauwenberghs/ [PrashantMali](Bioengineering)
- Li-Fan Lu/ [CarolynKurle](Biological Sciences)
- Eduardo Macagno/ [JamesWilhelm](Biological Sciences)
- Wendy Huang/ [PradiptaGhosh](Cellular & Molecular Med.)
- Navtej Toor/ [Mike Tauber](Chemistry & Biochemistry)
- Patricia Jennings/ [](Chemistry & Biochemistry)
- Gedeon Deak/ [AngelaYu](Cognitive Science )
- Olga Vasquez/ [ElanaZilberg](Communication)
- Rajesh Gupta/ [](Computer Science & Engineering)
- Hovav Shacham/ [](Computer Science & Engineering)
- Bryan Sun/ [AnnaDiNardo](Dermatology)

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Key: + representative present; [+] alternate present; - not member or advisor at the time of meeting

**REPRESENTATIVE ASSEMBLY 2017-2018 MEMBERSHIP**

David Lagakos/ [Prashant Bharadwaj](Economics)  
 Mark Machina/ [Jim Andreoni](Economics)  
 Shana Cohen/ [Carolyn Hofstetter](Education Studies)  
 David Sworder/ [Zhaowei Liu](Electrical & Computer Engineering)  
 Yuan Taur/ [Ken Kreutz-Delgado](Electrical & Computer Engineering)  
 Christopher Kahn/ [Radhika Sundararajan](Emergency Medicine)  
 Jillian Hernandez/ [Daphne Taylor-Garcia](Ethnic Studies)  
 Elena Martinez/ [Cheryl Anderson](Family Medicine and Public Health)  
 / [](Family Medicine and Public Health)  
 Roger Bohn/ [Bruce Lehman](Global Policy and Strategy)  
 Rebecca Plant/ [Mark Hanna](History)  
 Robert Westman/ [Rachel Klein](History)  
 Grant Goodall/ [Rachel Mayberry](Linguistics)  
 Stephanie Jed/ [Daniel Vitkus](Literature)  
 William O'Brien/ [Jody Blanco](Literature)  
 Jason Schweinsberg/ [Dimitris Politis](Mathematics)  
 Adrian Ioana/ [Cristian Popescu](Mathematics)  
 Robert Bitmead/ [Sonia Martinez](Mechanical & Aerospace Engineering)  
 James Friend/ [Prab Bandaru](Mechanical & Aerospace Engineering)  
 Doug Conrad/ [Bernd Schnabel](Medicine)  
 Alison Moore/ [Nai Wen Chi](Medicine)  
 Sarah Hankins/ [Wilfrido Terrazas](Music)  
 Jian Luo/ [Donald Sirbuly](NanoEngineering)  
 Takaki Komiyama/ [Robert Rissman](Neurosciences)  
 Ron Ellis/ [Eric Halgren](Neurosciences)  
 Karl Wahlin/ [Derrick Welsbie](Ophthalmology)  
 Jan Hughes-Austin/ [Simon Schenck](Orthopaedics)  
 Jonathan Lin/ [David Pride](Pathology)  
 Nigel Calcutt/ [Oluwole Fadare](Pathology)  
 / [](Pediatrics)  
 / [](Pediatrics)  
 David Gonzalez/ [Joseph Adams](Pharmacology)  
 Matthew Fulkerson/ [Clinton Tolley](Philosophy)  
 Massimiliano Di Ventra/ [Richard Averitt](Physics)  
 Jeremie Palacci/ [Avi Yagil](Physics)  
 David Mares/ [](Political Science)  
 Simeon Nichter/ [](Political Science)  
 Niloo Afari/ [Gregory Arons](Psychiatry)  
 Jared Young/ [Barton Palmer](Psychiatry)  
 Edward Vul/ [Timothy Rickard](Psychology)  
 / [](Radiation Medicine & Applied Sciences)  
 Amilcare Gentili/ [Roland Lee](Radiology)  
 David Dubowitz/ [Jiang Du](Radiology)  
 Rossen Valkanov/ [Craig Mc Kenzie](Rady School of Management)  
 David Natale/ [Dwayne Stupack](Reproductive Medicine)  
 Andrew Allen/ [Laurence Armi](SIO)  
 Andreas Andersson/ [Amato Evan](SIO)  
 Jennifer Taylor/ [Stuart Sandin](SIO)  
 Ian Eisenman/ [James Day](SIO)  
 Sarah Purkey/ [Ryan Hechinger](SIO)  
 Jane Willenbring/ [Lynn Russell](SIO)  
 Mary Blair-Loy/ [Jeffrey Haydu](Sociology)  
 Akos Rona-Tas/ [Martha Lampland](Sociology)  
 Bradley Moore/ [Dionicio Siegel](SSPPS)  
 John McCartney/ [Chia-Ming Uang](Structural Engineering)

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Justin Brown/ [Rebecca White](Surgery )  
 Andrew Baird/ [Mark Onaitis](Surgery )  
 Robert Castro/ [Victoria Petrovich](Theatre and Dance)  
 Alan Burrett/ [Marco Barricelli](Theatre and Dance)  
 Christina Jamieson/ [Ithaa Derweesh](Urology)  
 John Welchman/ [Grant Kester](Visual Arts)  
 Ruben Ortiz/ [Kuiyi Shen](Visual Arts)

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**Advisors:**

Amarnath Gupta / [Harinath Gurudadri](Research - General Campus)  
 Ellen Breen/ [Charles King](Research - Health Sciences)  
 Peter Bromirski/ [Peter Gerstoft](Research - Marine Sciences)  
 Kate Pham (Undergraduate Student)  
 Lesly Figueroa (Undergraduate Student)  
 Mark Derdzinski (Graduate Student)  
 Vladimir Jovanovic (Graduate Student)

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**Parlamentarian Gerry Mackie**

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UC San Diego

# Seventh College Pre-Proposal

**John Moore**  
**Dean of Undergraduate Education**

***Academic Senate***  
***February 6, 2018***

# Process

## Pre-proposal stage

- Submit pre-proposal to Divisional Academic Senate - receive comments
- Submit pre-proposal to UCOP Academic Affairs and system-wide Academic Senate (CCGA, UCEP, and UCPB and any other chosen by the Academic Council Chair) - receive comments
- Upon request, pre-proposal is submitted to state officials and agency staff.
- Prepare full proposal incorporating comments

## Proposal stage

- Submit proposal to the Divisional Academic Senate for review and comment
- Submit proposal to UCOP Academic Affairs and system-wide Academic Senate (CCGA, UCEP, and UCPB and any other chosen by the Academic Council Chair)
- Upon request, proposal is submitted to state officials and agency staff
- The UC President recommends approval to the Board of Regents

# Pre-proposal - Background

*A product of more than a year of deliberations...*

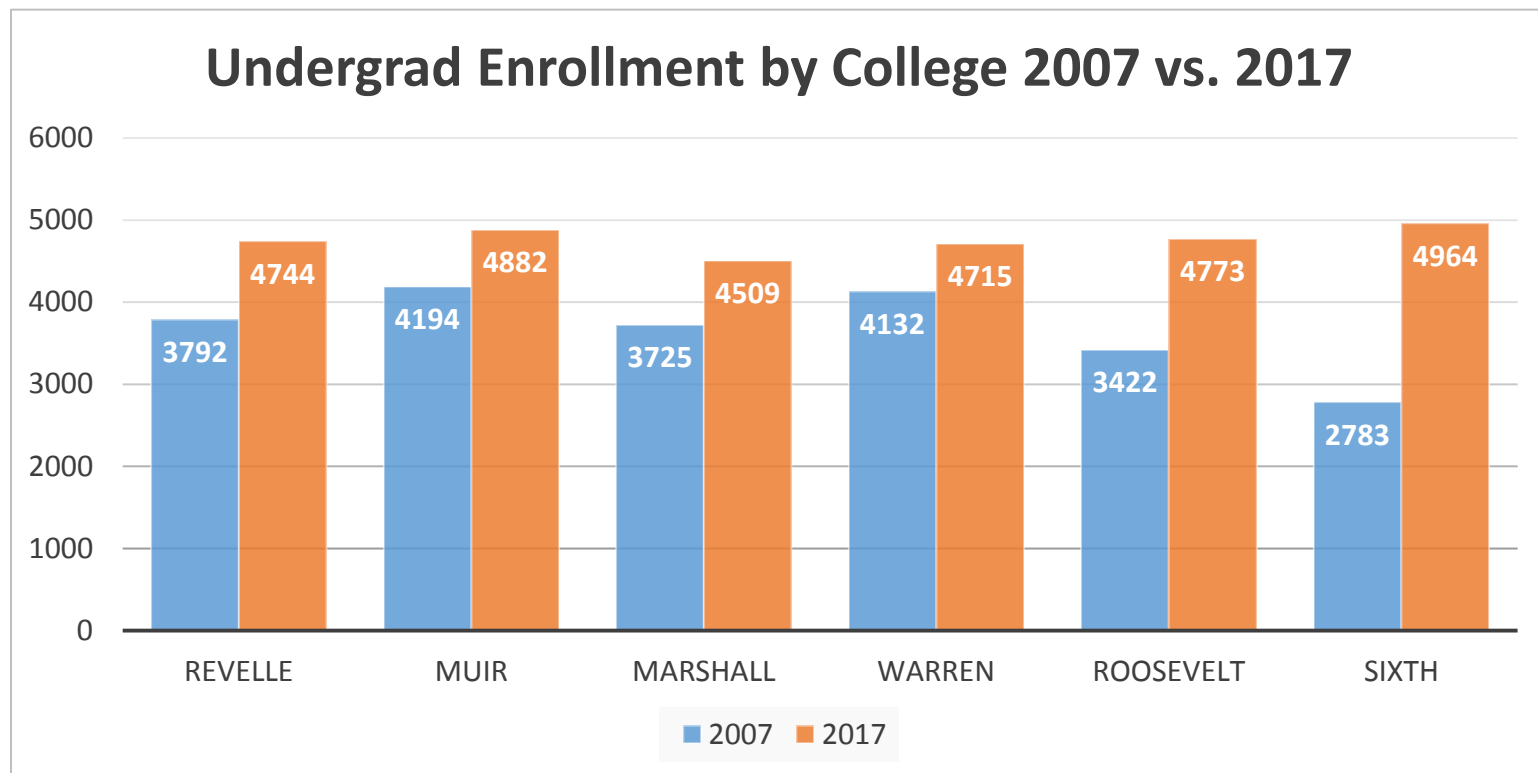
- Summer 2016: Ad-hoc group met for discussion
- January, 2017: Senate-Administration Seventh College Planning Task Force was charged
- April, 2017: Senate-Administration Seventh College Planning Task Force completed report
- Spring 2017: Campus-wide Idea Wave campaign solicited feedback from campus constituencies
- On-going conversations between administrators and Senate leaders



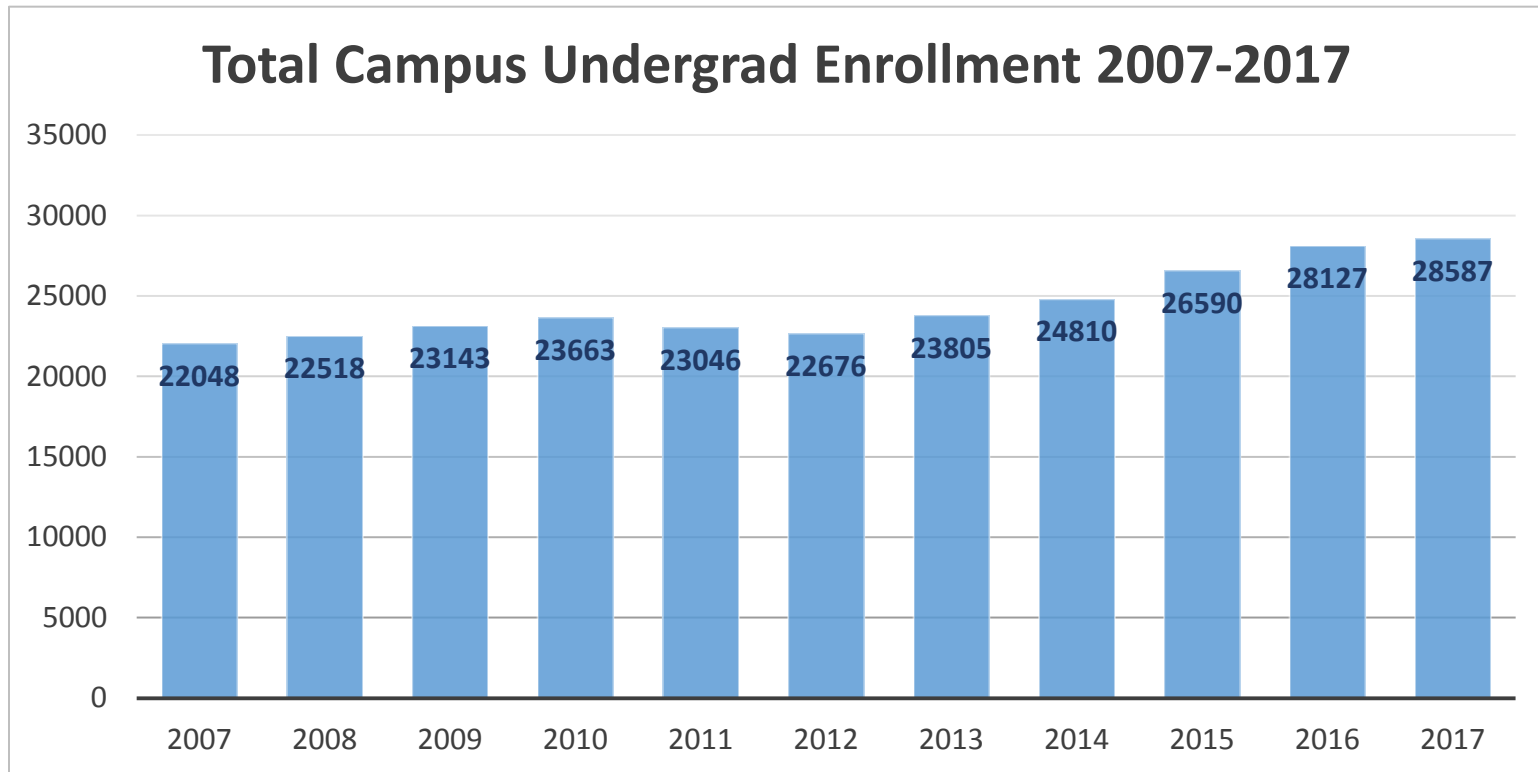
# Purpose of the Pre-Proposal

- Establish a proof of concept
- Address areas for review:
  - Need for the College
  - Academic Rigor
  - Financial Viability
  - Fit within the UC system
- Establish a general process for 7th College and beyond

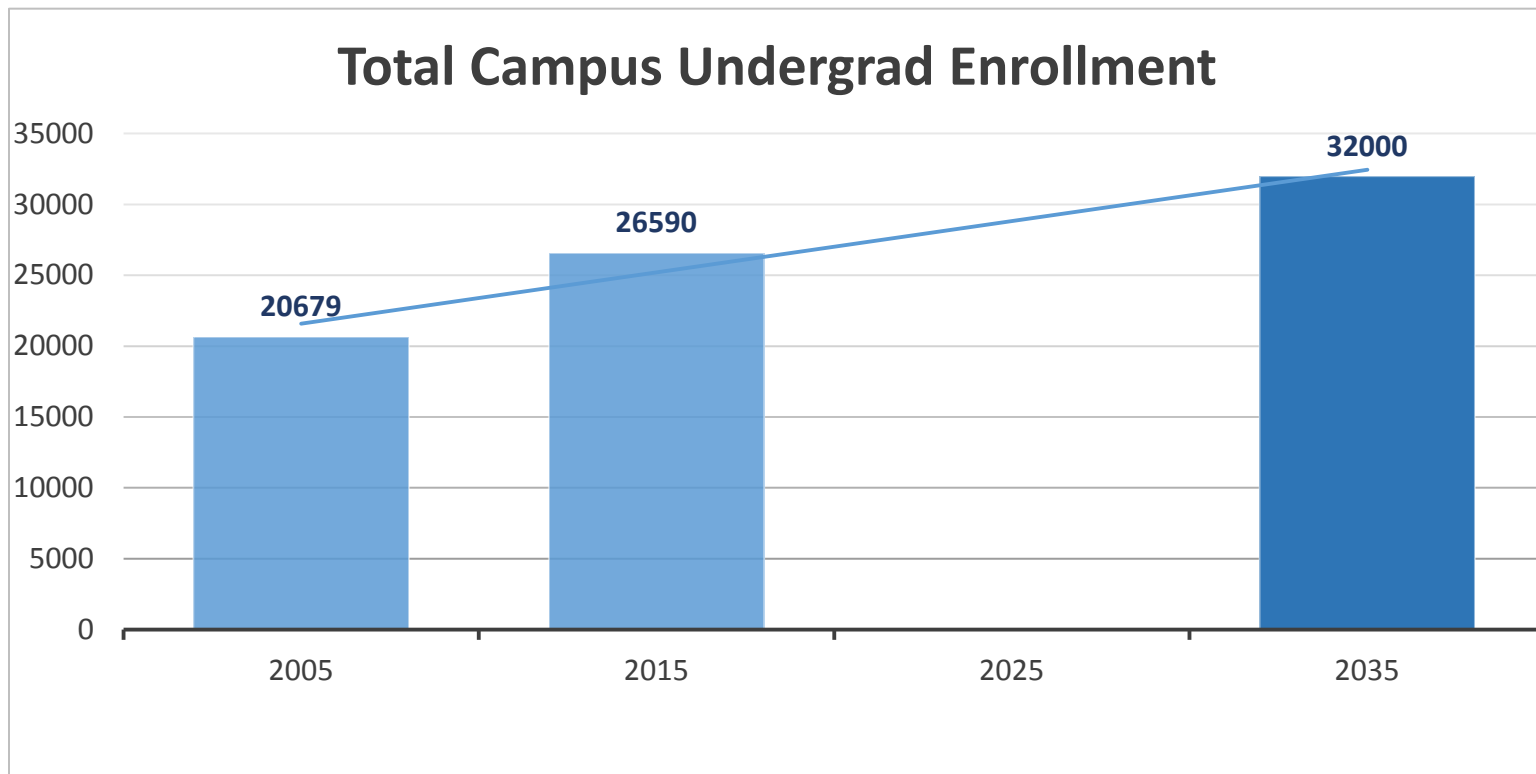
# Need for 7<sup>th</sup> College: Enrollment Growth



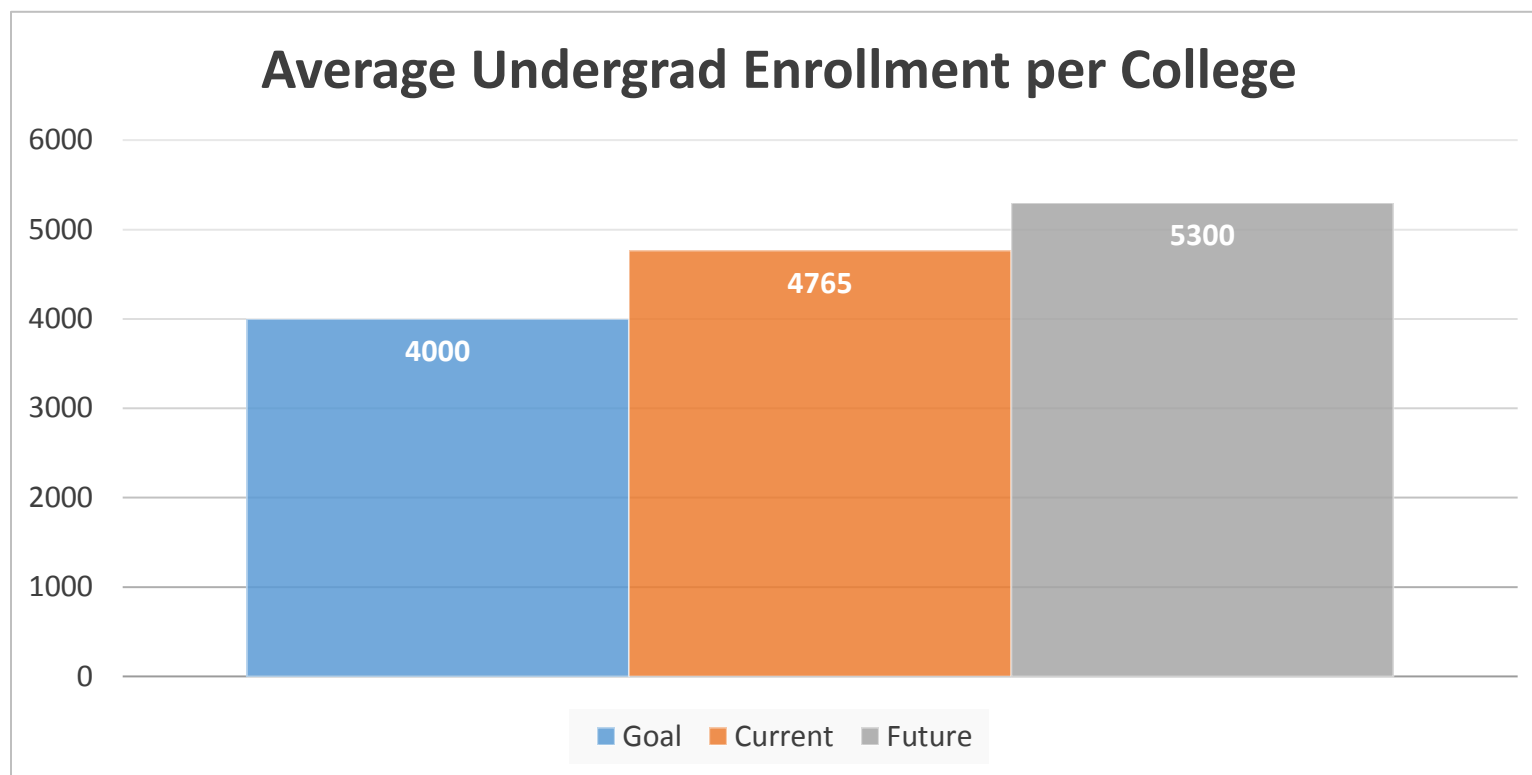
# Need for 7<sup>th</sup> College: Enrollment Growth



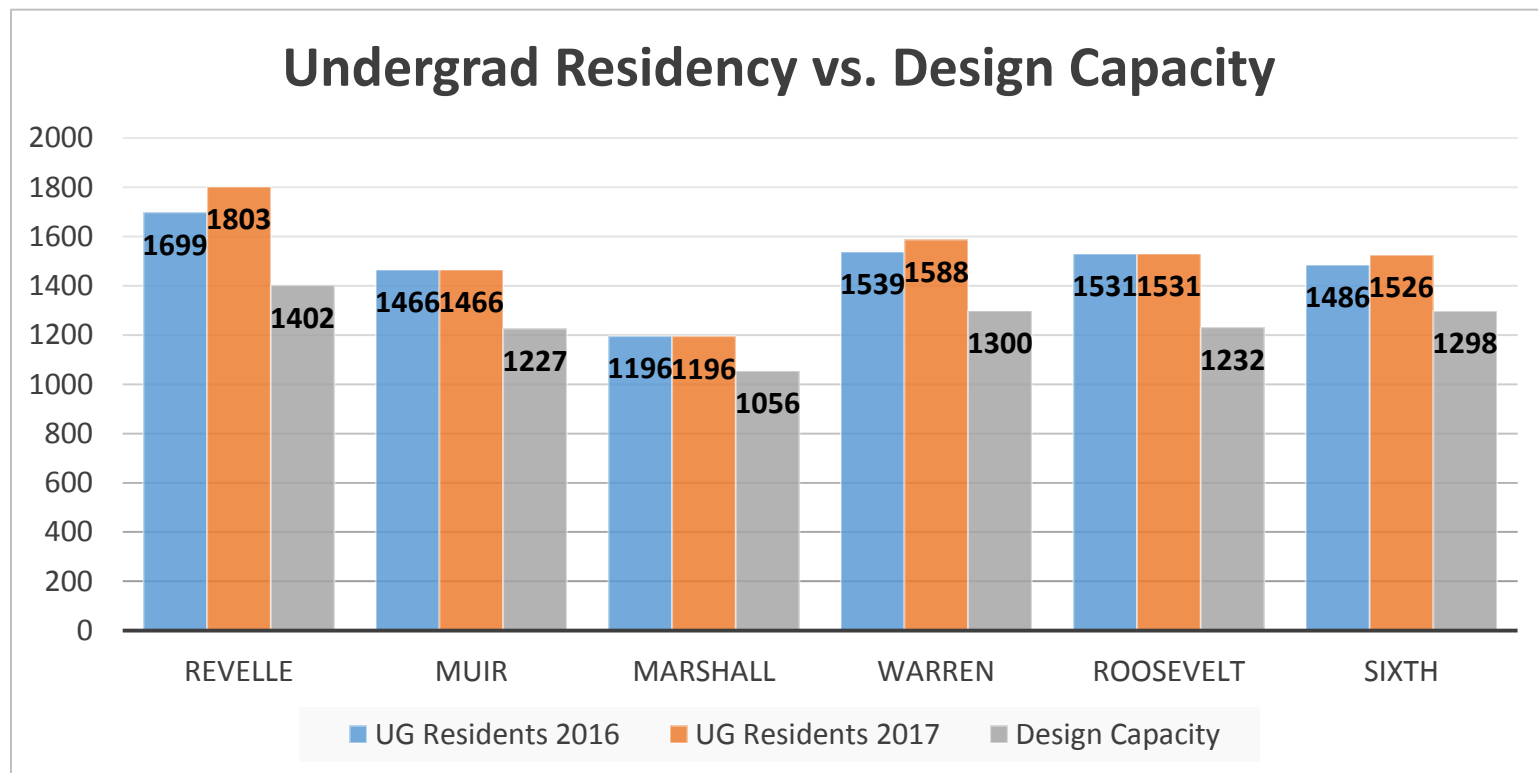
# Need for 7<sup>th</sup> College: Enrollment Growth



# Need for 7<sup>th</sup> College: Enrollment Growth



# Need for 7<sup>th</sup> College: Enrollment Growth



# Housing Goals

- Capacity to house all first- and second-year students at their college to better support their academic and developmental needs
- Provide affordable campus housing for all undergraduates

# Academic Rigor: Pre-proposal

- Ensures liberal arts education
- Draws upon interdisciplinary focus of campus.
- Examples of Themes proposed by Academic Senate Task Force:
  - Brain, Mind, and Consciousness
  - Information, Behavior, and Ethics



# Academic Rigor: Principles Articulated Since the Pre-proposal...

## *Re-imagining General Education to...*

- draw upon contemporary issues and intellectual directions
- articulate how it is preparing students as future scholars and citizens
- focus on immersing students in multiple modes of thinking rather than on delivering specific content
- complement existing general education sequences without replicating them
- connect students to existing areas of intellectual strength on campus

# Financial Viability

## *Minimum cost*

- Faculty
  - Writing Program Director FTE
  - Provost salary differential and course relief
- New advising and student affairs staff
  - Campus enrollment would mandate these staff increases even without development of a new college
- Budget model will be carefully monitored as college develops

# Fit within the UC System

- Our college system is a core element of what we uniquely offer students and enables allows our campus to compete favorably with other universities
- A seventh college would keep all of our colleges at a size that can best ensure the student-centered nature of our college system

# Moving forward

## *Next steps*

- Build broad campus engagement.
- Bring together an interdisciplinary team of faculty
- Actively solicit student, staff, and faculty input through Town Hall meetings
- Arrange work on curricular development to dovetail with the governance approval process
- Feed naturally into the timing of the formation of the college leadership team

# Moving forward

## *Additional institutional goals*

- Provide leadership development opportunities for those involved in designing the college's curriculum and mission
- Aid in identification of future Provost candidates.
- Encourage substantive faculty engagement with the new college

# Moving Forward - Timeline

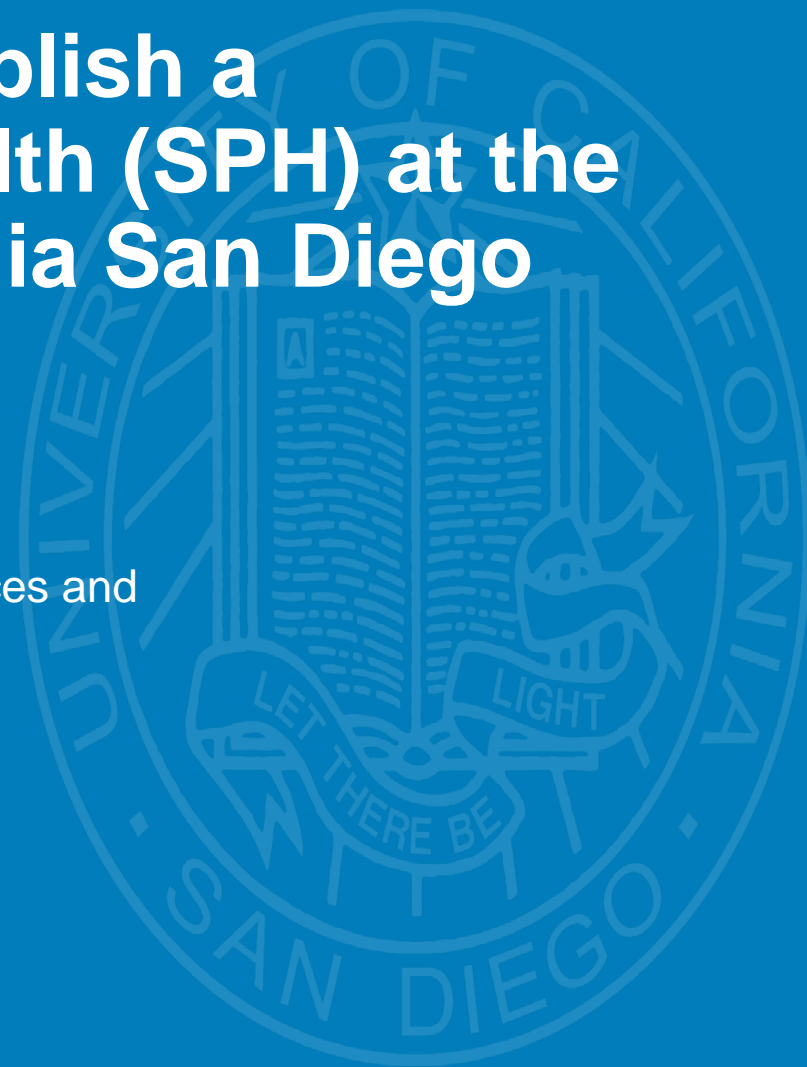
<p><b>Winter 2018</b></p>	<ul style="list-style-type: none"> <li>• Establish curricular principles and process guidelines</li> <li>• Deliver theme/curriculum information to dovetail with full proposal submission deadline</li> <li>• Nominate College Planning Workgroup members</li> <li>• EVC Office announces Workgroup to campus</li> </ul>	<p><b>Summer - Fall 2018</b></p>	<ul style="list-style-type: none"> <li>• DUE assembles a team and crafts the full proposal to be submitted for governance approval</li> <li>• Proposal incorporates the theme and curricular ideas in the level of detail required</li> </ul>
<p><b>Winter - Spring 2018</b></p>	<ul style="list-style-type: none"> <li>• College holds Town Hall meetings</li> <li>• Workgroup researches innovative general education structures.</li> </ul>	<p><b>AY 2018 - 2019</b></p>	<ul style="list-style-type: none"> <li>• DUE and faculty team complete full logistical details of implementing the curriculum</li> </ul>
<p><b>Spring 2018</b></p>	<ul style="list-style-type: none"> <li>• Workgroup brainstorms possible curricular structures and themes</li> <li>• Workgroup writes and submits report to EVC</li> <li>• EVC announces decision on curriculum structure and theme</li> </ul>	<p><b>Summer 2019</b></p>	<ul style="list-style-type: none"> <li>• Process of recruiting Provost, faculty, students, staff for 7<sup>th</sup> college begins</li> </ul>

# Pre-Proposal to Establish a School of Public Health (SPH) at the University of California San Diego

**Doug Ziedonis, MD, MPH**

Associate Vice Chancellor for Health Sciences and  
Chief Academic Officer

Professor, Department of Psychiatry



# The Next-Generation School of Public Health: A New Way to Improve Health for All

- Vision & Mission
- SPH Leadership
  - Executive Council
  - Advisory Group
  - FMPH, Medicine, Psychiatry Department Faculty in HS
- Pre-Proposal Submission (10/13/18)
  - Online 10/17/18





# Many other thanks with the pre-proposal!

- **Campus Leadership and faculty:**
  - UCSD Chancellor, EVCs, VCs, and Deans
  - Scripps Institution of Oceanography, Rady School of Management, Jacobs School of Engineering, Global Policy and Strategy, Social Sciences, UCSD Extension, etc
- **HS Faculty Council, HS Council of Chairs, and HS Research Council**
- **UCSD HEALTH:** Executive Group Board/ EGB, Board of Governors / BOG
- **HS Town Hall Meetings** - educational leaders, student forums, etc
- **HS Strategic Planning meetings:** Research, Clinical (leadership summit, IT leadership, group practice), faculty affairs / academic affairs, health science international, medical education, & School of pharmacy
- **Department Meetings:** FMPH, Medicine, Psychiatry department faculty, and others. All FMPH & Medicine GPH Division faculty aware. Many on advisory group.
- **Institute of Public Health** – faculty and advisory group
- **Research & Educational groups across the campus** (listed in the pre proposal)
- **Community leaders and Business leaders in community**
- **SDSU SPH faculty & University of San Diego faculty**
- **UC system - Deans / Vice Chancellors**

# What is Public Health?



# UCSD Students engage in Public Health



# Unique World Class Priority Areas & Evolving Trends

- Mental Health & Addiction



- Technology



- Health Systems & Population Health



- Data Science, Big Data, & Design Thinking



- Climate Change & Environment



<http://www.investingreece.gov.gr/default.asp?pid=167&la=1>

<http://www.healthcareitnews.com/news/data-key-population-health-management>; [www.amnh.org](http://www.amnh.org)

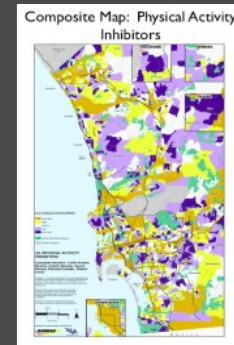
# Multiple sources of health-relevant data



Medical Records



Personal Health Data  
(weigh-ins, run info, ...)



Environmental Data  
(pollution, noise, greenspace, ...)

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Genomic Data



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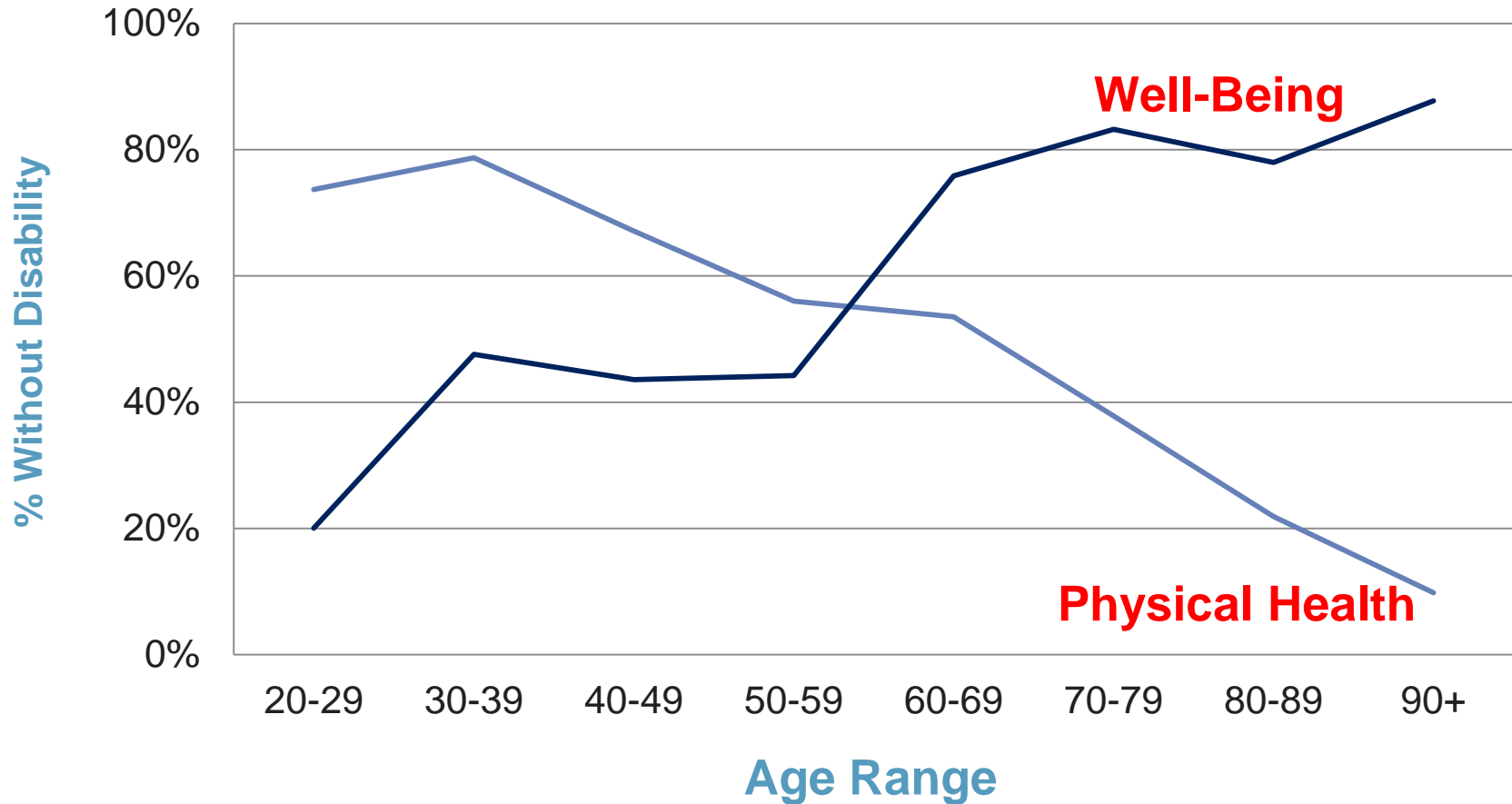
Public Health &  
Social Determinants Data



# CENTER FOR HEALTHY AGING

## Physical Health versus Mental Well-Being

Center for Advancing  
Cognitive Wellness



(Jeste DV, et al., Am J Psychiatry, 2013;  
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# Why a UCSD School of Public Health?



## **1. UCSD's Traditional & Non-Traditional Strengths Match Today's Persistent and New Public Health Challenges**

\* health, engineering, technology, data sciences, and social sciences will be brought together to synergistically provide new approaches to persistent and emerging public health problems. This work will place UCSD on the forefront of public health education, scientific inquiry, and policy change.

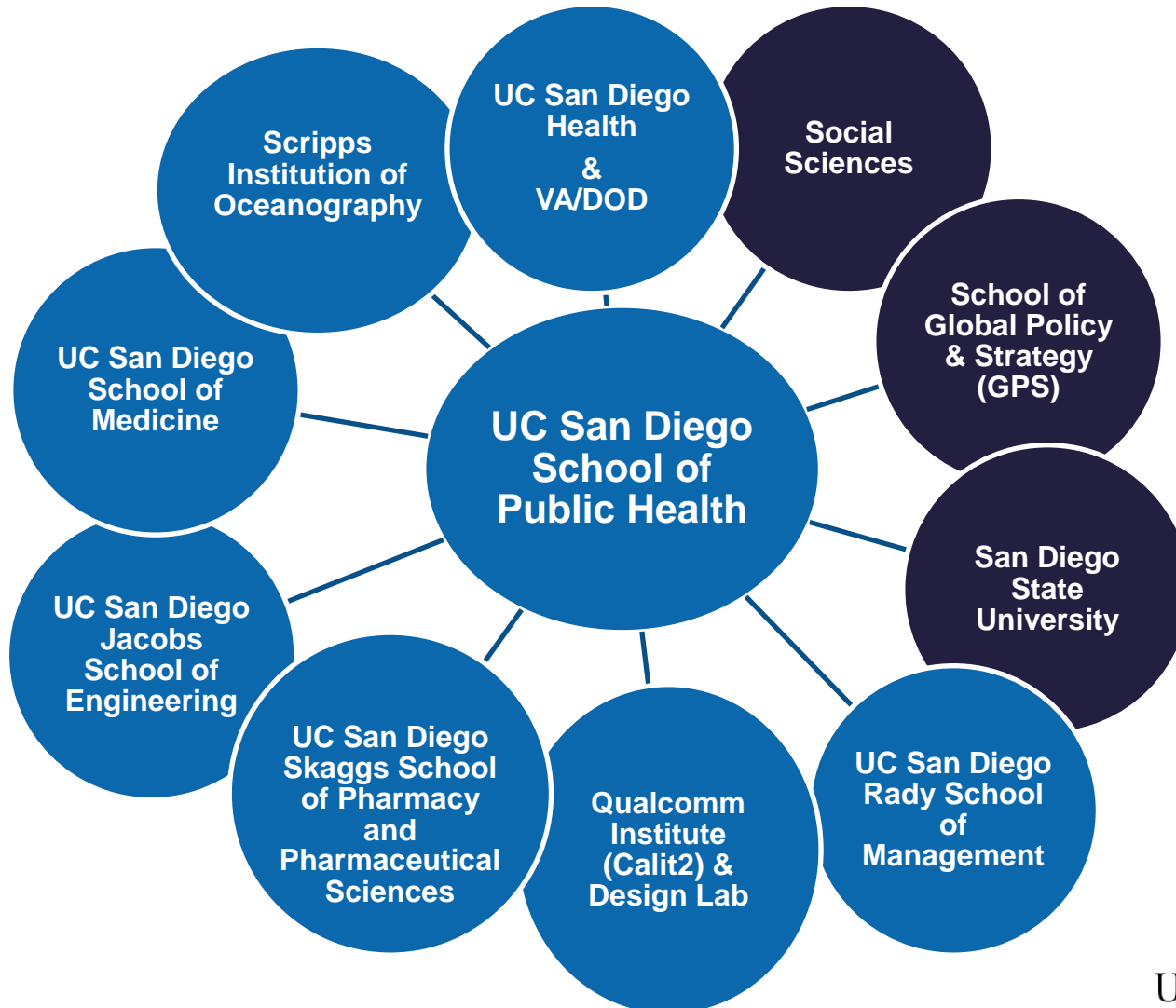
## **2. Integration of public health educational and research efforts from across the campus will increase internal visibility for faculty and trainees working in public health, strengthening collaboration, expanding scientific advances, and increasing success in extramural funding.**

\* increased visibility of an accredited SPH, rather than disjointed programs, will attract more internationally ranked faculty and top level students. Interdisciplinary Training Collaborations / Dual Degree opportunities.

## **3. UCSD's new SPH will help address the national and statewide shortage of public health professionals, providing them with a modernized curriculum on 21st Century public health issues, and will retain excellent UCSD students and recruit others from around the globe.**

\* Unprecedented health and public health challenges and community needs

# Research & Education Collaborations Across Campus





# Location Advantages

- San Diego County
- UC San Diego Health
- Military Community: VA & DOD
- Border Global Health



# A NEXT GENERATION SCHOOL OF PUBLIC HEALTH

## FIVE CORE PUBLIC HEALTH COMPETENCIES

**Biostatistics and Bioinformatics**

**Epidemiology**

**Environmental Health Sciences**

**Health Systems & Policy**

**Social and Behavioral Sciences**

## FIVE 21<sup>st</sup> CENTURY CORE TOPICS

**Climate Change, Earth, & Health**

**Population Health & Disease**

**Mental Health & Addictions**

**Healthy Aging & End of Life**

**Women's Health**

**HEALTH COMMUNICATIONS**

**HEALTH DISPARITIES**

**GLOBAL HEALTH**

**DATA SCIENCES & DESIGN THINKING**

**BUSINESS & PUBLIC HEALTH LEADERSHIP**

**TECHNOLOGY & ENGINEERING**

# Student-Centric Education and Research

- **Interdisciplinary Teams**
- **Students involved in research, service projects, and entrepreneurship**
- **Globalization / Internationalization**
- **Career Mentoring & Support**



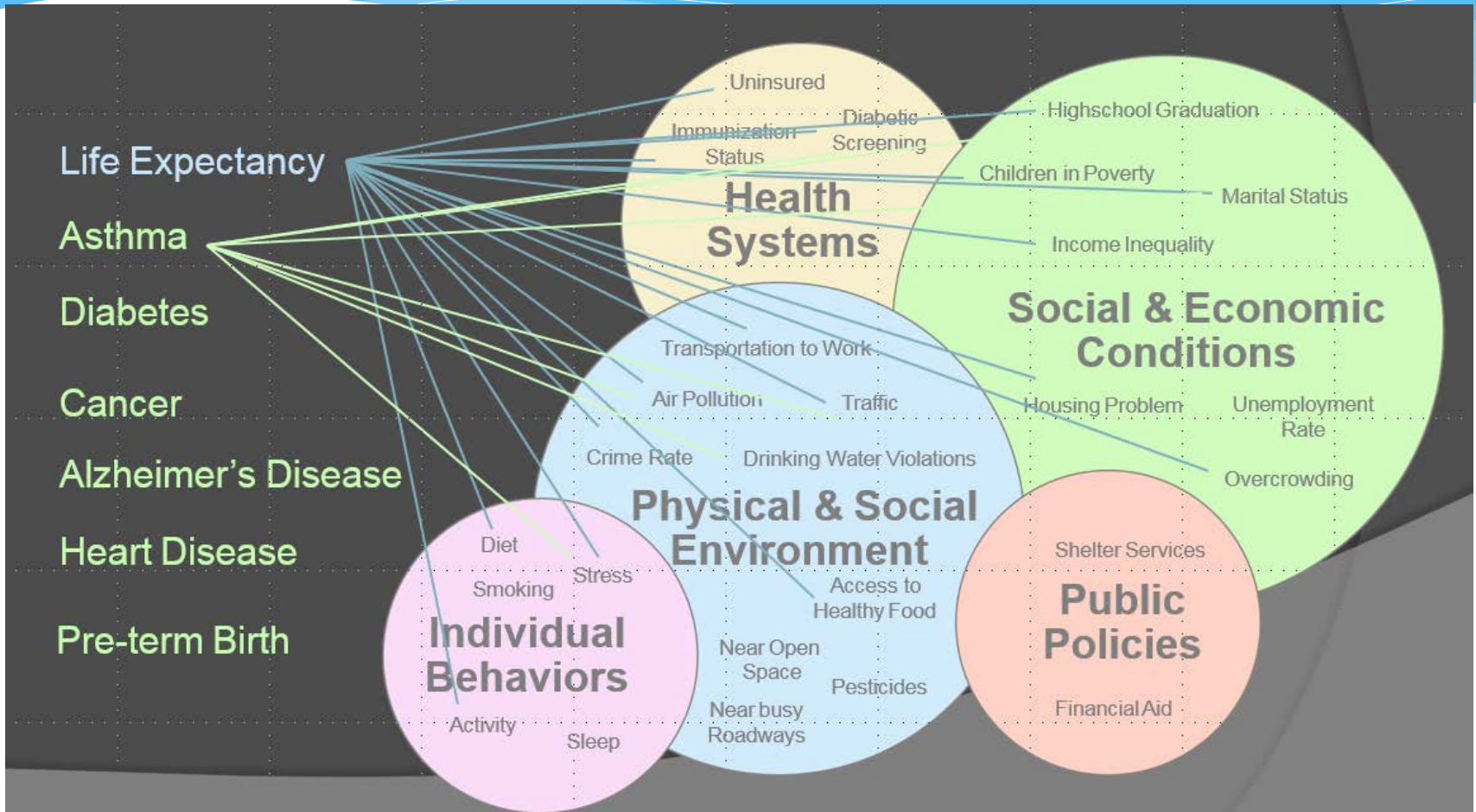
# Public Health Projects (global):

- Partner with community-based organizations, government and non-government agencies, and other universities,
- **Bi-lingual, Bi-cultural, and Bi-Directional Collaboration – immigrants / refugees**
- Projects include:
  - Improve patients taking anti-tuberculosis (TB) meds,
  - Improve access to care for HIV-exposed infants,
  - Provide mental health care to underserved populations,
  - Interrupt the cycle of incarceration & homelessness,
  - Identify root causes of the obesity / diabetes epidemic, and
  - Prevent and treat addiction



# Big Data and a Culture of Health

Find correlations (and causal relationships?) between and among different variables using machine learning and other big data analytic strategies



# Where We Are Now

- UC San Diego Institute for Public Health (2014)
  - Lifestyle, Climate Change, and Technology
  - Research Focus
- Public Health Faculty (many with global work)
  - Health Sciences & Beyond
  - New PH Faculty anticipated
- Two Financial Models Planned (with / without gifts)
- HS has developed school before with Skaggs School of Pharmacy and Pharmaceutical Science (SSPPS)

# Existing Public Health Education Programs in Health Sciences



- **Bachelor of Science in Public Health (based in Health Sciences)**
  - Very popular – 600 majors & 2200+ students enrolled in classes
  - Many first-in-college, under \$50K household income & URM
- **Joint Doctoral Program (JDP) in Public Health with SDSU**
  - Epidemiology, Health Behavior, & Global Health Tracks
- **JDP in Interdisciplinary Research on Substance Use**
- **PhD in Biostatistics**
- **New Programs:**
  - **Master of Public Health (MPH)** - Fall 2018
  - **MS in Biostatistics**, anticipated Fall 2019
- **Master of Advance Studies in the Leadership of Health care Organizations (MAS-LHCO)**



# Existing Public Health Education Programs Outside of Health Sciences

- **Bachelor of Arts major and minor in Global Public Health (GPH) – Anthropology**
- **Master of Arts (MA) in Global Public Health (proposed and under review) – Anthropology**
- **Environmental Systems (ESYS) Program - Major / Minor (Physical Sciences)**



## Current Status: Public Health Faculty in Health Sciences

- **We estimate 105 Health Sciences faculty will exercise their choice to shift their primary appointment to the SPH (20 GPH, 85 FMPH, etc)**
  - **30 state FTEs (>\$160M research grants / \$15.5M per year NIH)**
- **Division of Global Public Health (Department of Medicine)**
  - 48 faculty members; 18 post-doctoral fellows, research in 15+ countries
  - Global Health Institute, the Center of Gender Equity and Health, and UC San Diego Health Frontiers in Tijuana clinic
- **Department of Family Medicine and Public Health**
  - 135 faculty: 85 in public health and 50 in family medicine
    - \$125 million in grants and contracts with seven interdisciplinary research centers
    - 95 graduate students (public health PhD, biostats PhD, MAS LHCO)
- **Department of Psychiatry**

# Response to Academic Senate Committee Questions for Pre-Proposal

- **Thanks to the reviewers**
- SDSU collaborations and support
- HS Faculty willingness / engagement in migrating to SPH
  - Plans & expectations for migrating faculty, including teaching plans
  - Plans for FMPH Department (SSPPS)
- HS Faculty / Department support for incorporating undergraduate major program into SPH
- SIO Faculty Support
- Joint appointments / MOUs – agreements / processes (ex. Social Sciences)
- Interdisciplinary Focus of SPH (culture, history, ethics, etc)
- Plans for academic programs proposed for transfer, including clarity on specific components

## Dream Big, Start with Key Priorities and Seek New Funding Streams (Finances / Philanthropy)



# Questions?

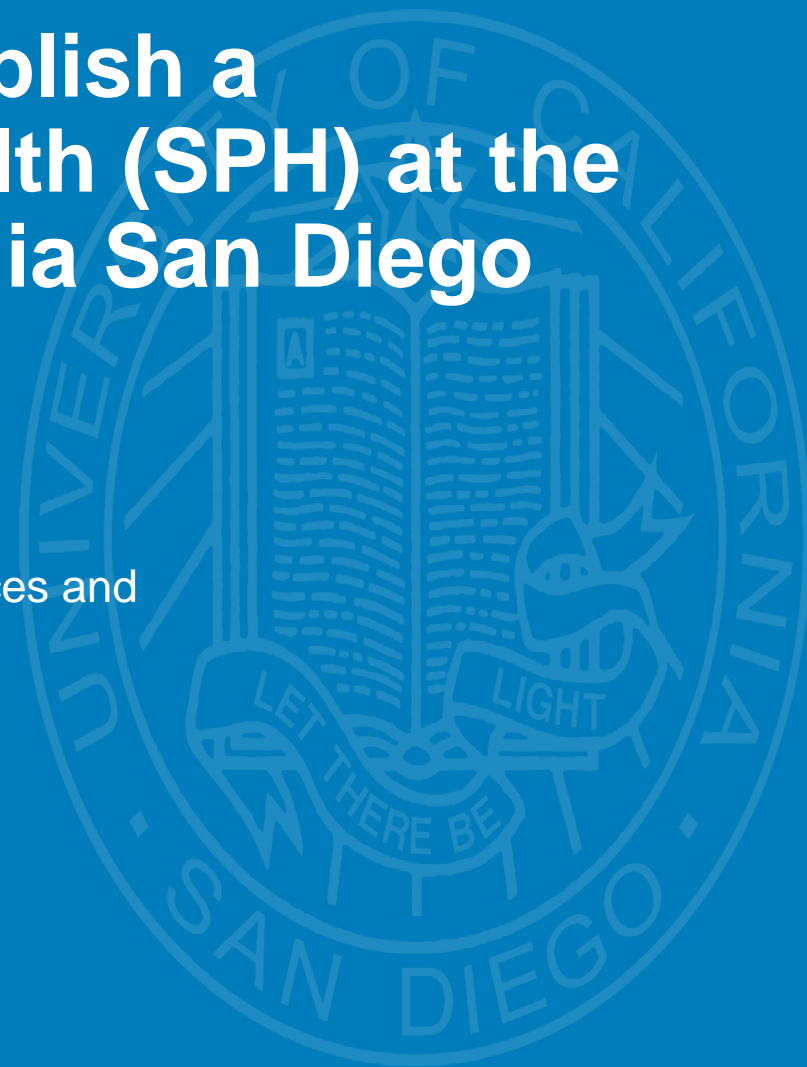


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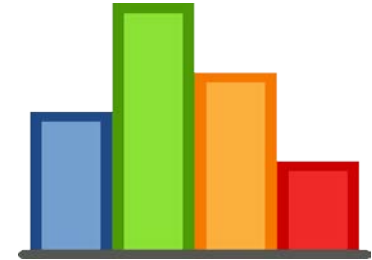
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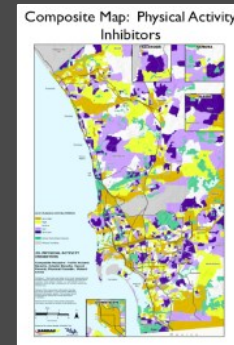
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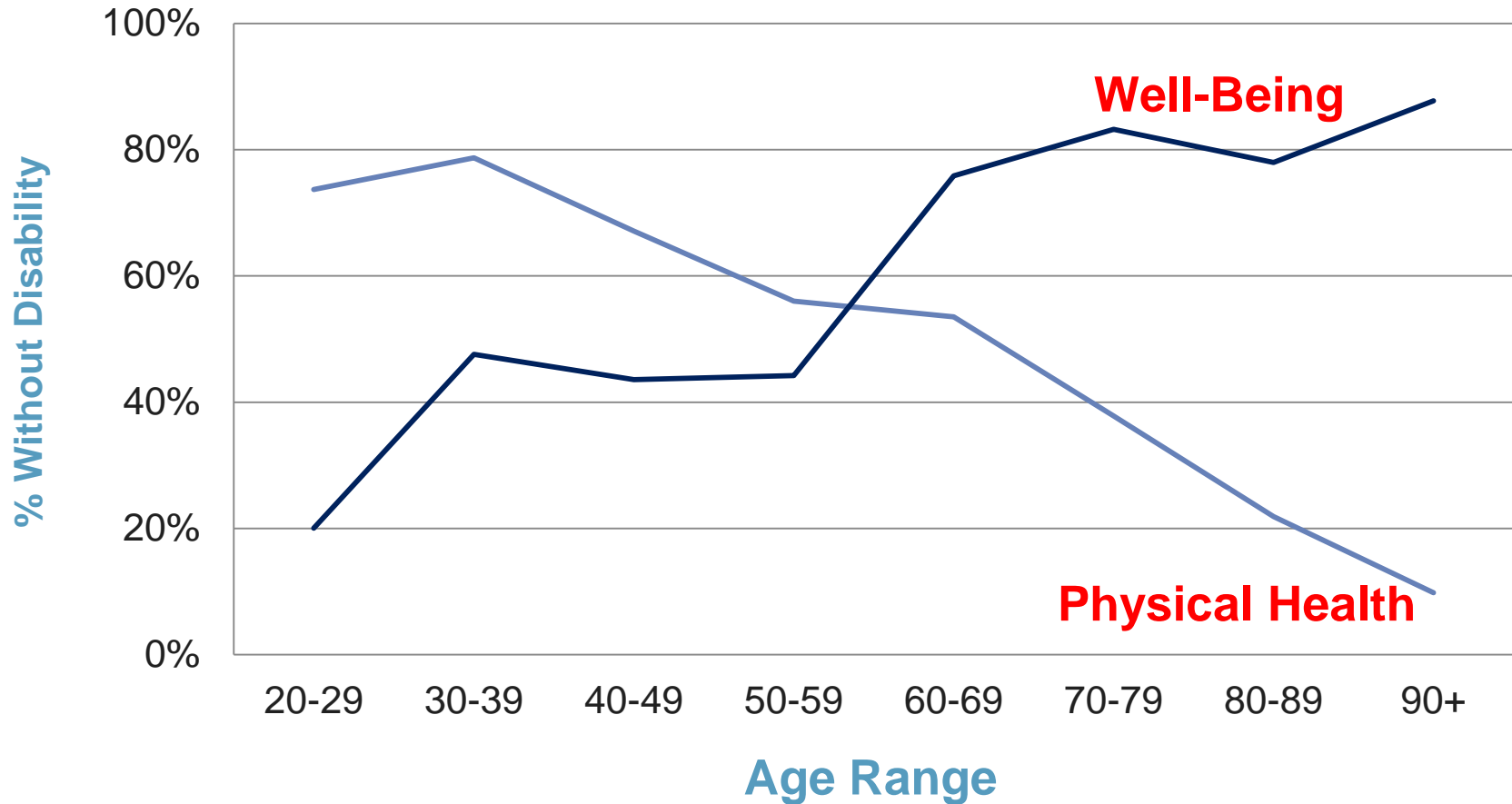
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Jeste DV, et al., J. Clin. Psychiatry, 2016)

# Why a UCSD School of Public Health?



## **1. UCSD's Traditional & Non-Traditional Strengths Match Today's Persistent and New Public Health Challenges**

\* health, engineering, technology, data sciences, and social sciences will be brought together to synergistically provide new approaches to persistent and emerging public health problems. This work will place UCSD on the forefront of public health education, scientific inquiry, and policy change.

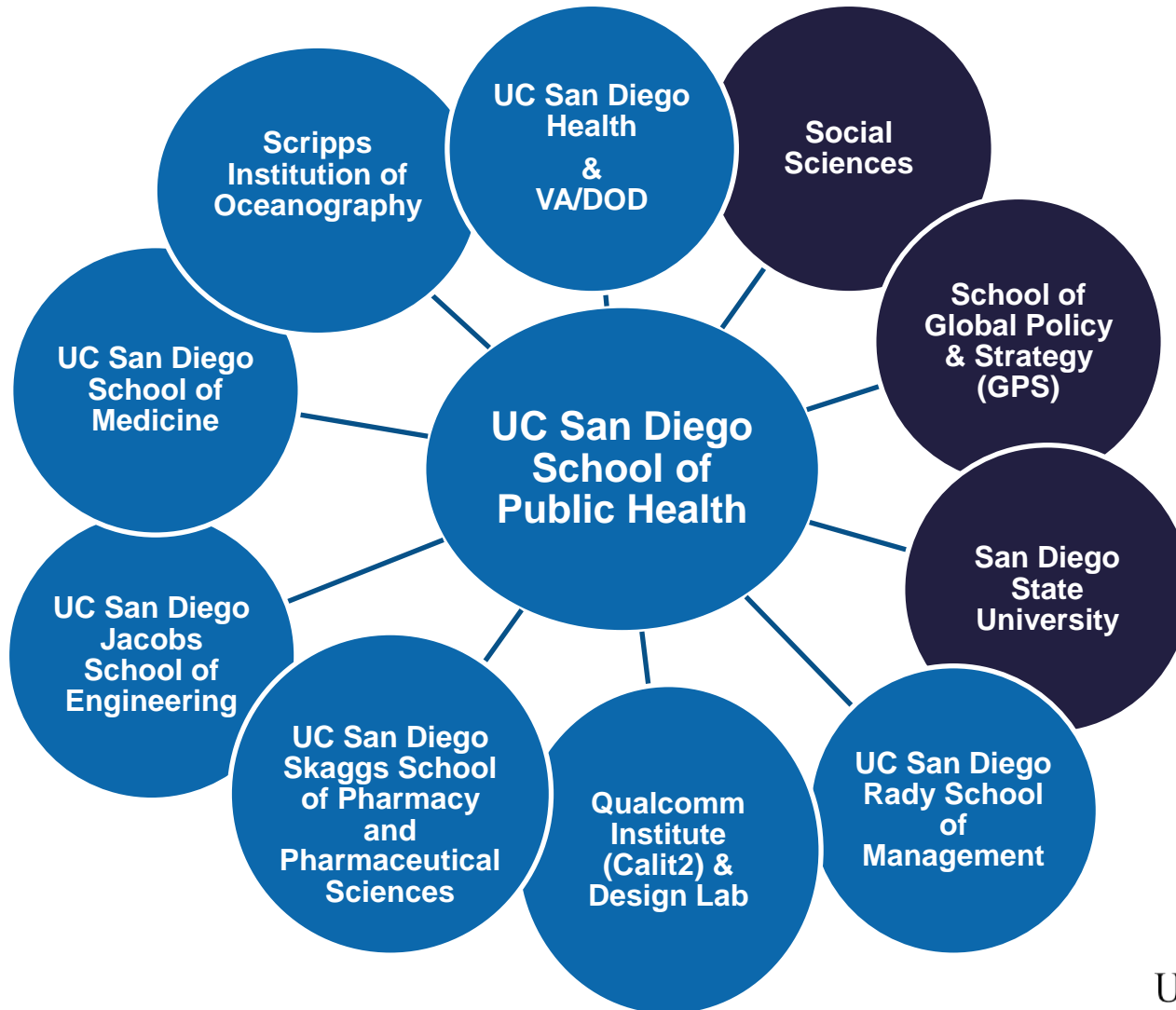
## **2. Integration of public health educational and research efforts from across the campus will increase internal visibility for faculty and trainees working in public health, strengthening collaboration, expanding scientific advances, and increasing success in extramural funding.**

\* increased visibility of an accredited SPH, rather than disjointed programs, will attract more internationally ranked faculty and top level students. Interdisciplinary Training Collaborations / Dual Degree opportunities.

## **3. UCSD's new SPH will help address the national and statewide shortage of public health professionals, providing them with a modernized curriculum on 21st Century public health issues, and will retain excellent UCSD students and recruit others from around the globe.**

\* Unprecedented health and public health challenges and community needs

# Research & Education Collaborations Across Campus



# Location Advantages

- San Diego County
- UC San Diego Health
- Military Community: VA & DOD
- Border Global Health



# A NEXT GENERATION SCHOOL OF PUBLIC HEALTH

## FIVE CORE PUBLIC HEALTH COMPETENCIES

**Biostatistics and Bioinformatics**

**Epidemiology**

**Environmental Health Sciences**

**Health Systems & Policy**

**Social and Behavioral Sciences**

## FIVE 21<sup>st</sup> CENTURY CORE TOPICS

**Climate Change, Earth, & Health**

**Population Health & Disease**

**Mental Health & Addictions**

**Healthy Aging & End of Life**

**Women's Health**

**HEALTH COMMUNICATIONS**

**HEALTH DISPARITIES**

**GLOBAL HEALTH**

**DATA SCIENCES & DESIGN THINKING**

**BUSINESS & PUBLIC HEALTH LEADERSHIP**

**TECHNOLOGY & ENGINEERING**



# Student-Centric Education and Research

- **Interdisciplinary Teams**
- **Students involved in research, service projects, and entrepreneurship**
- **Globalization / Internationalization**
- **Career Mentoring & Support**



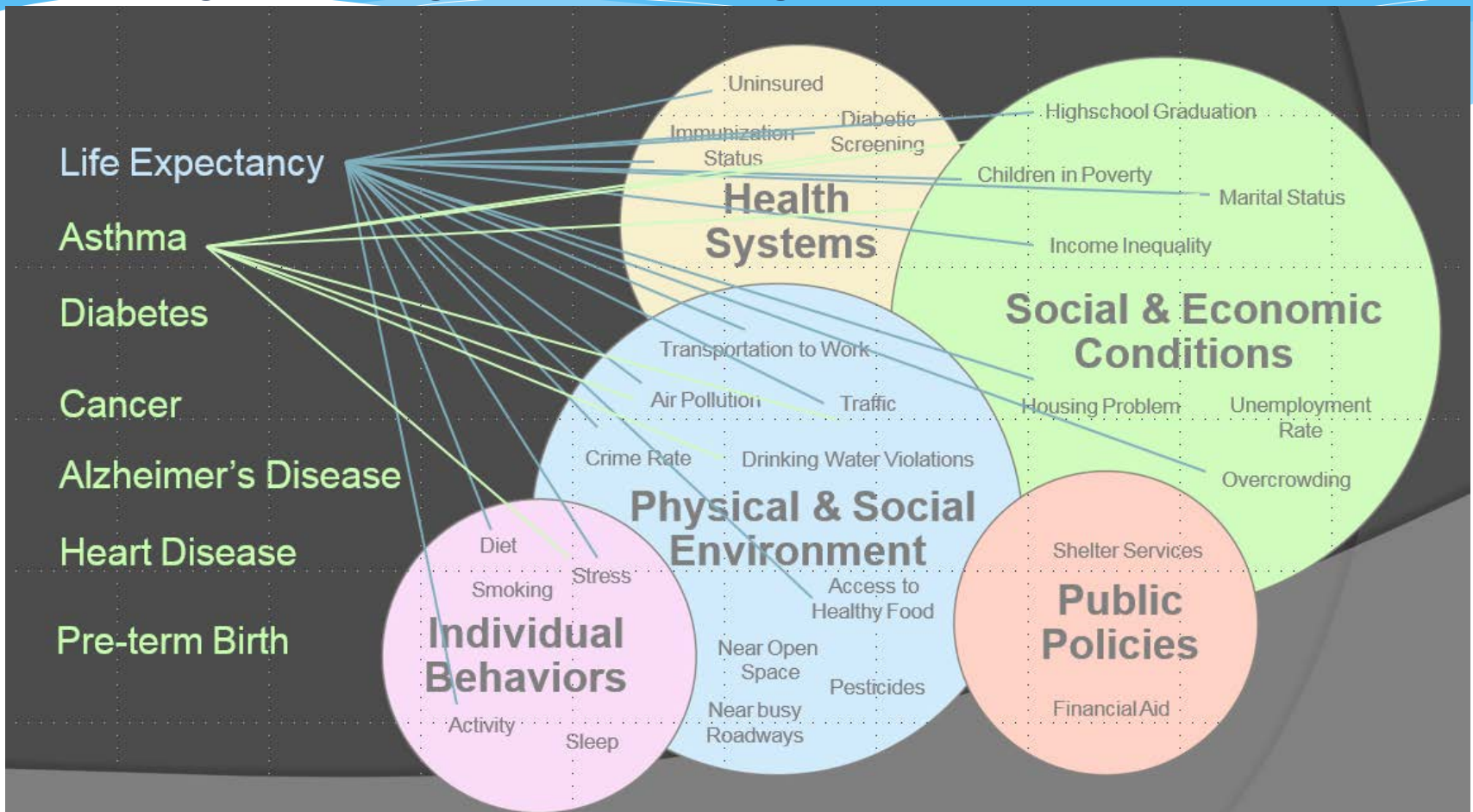
# Public Health Projects (global):

- Partner with community-based organizations, government and non-government agencies, and other universities,
- **Bi-lingual, Bi-cultural, and Bi-Directional Collaboration – immigrants / refugees**
- Projects include:
  - Improve patients taking anti-tuberculosis (TB) meds,
  - Improve access to care for HIV-exposed infants,
  - Provide mental health care to underserved populations,
  - Interrupt the cycle of incarceration & homelessness,
  - Identify root causes of the obesity / diabetes epidemic, and
  - Prevent and treat addiction



# Big Data and a Culture of Health

Find correlations (and causal relationships?) between and among different variables using machine learning and other big data analytic strategies



# Where We Are Now

- UC San Diego Institute for Public Health (2014)
  - Lifestyle, Climate Change, and Technology
  - Research Focus
- Public Health Faculty (many with global work)
  - Health Sciences & Beyond
  - New PH Faculty anticipated
- Two Financial Models Planned (with / without gifts)
- HS has developed school before with Skaggs School of Pharmacy and Pharmaceutical Science (SSPPS)

# Existing Public Health Education Programs in Health Sciences



- **Bachelor of Science in Public Health (based in Health Sciences)**
  - Very popular – 600 majors & 2200+ students enrolled in classes
  - Many first-in-college, under \$50K household income & URM
- **Joint Doctoral Program (JDP) in Public Health with SDSU**
  - Epidemiology, Health Behavior, & Global Health Tracks
- **JDP in Interdisciplinary Research on Substance Use**
- **PhD in Biostatistics**
- **New Programs:**
  - **Master of Public Health (MPH)** - Fall 2018
  - **MS in Biostatistics**, anticipated Fall 2019
- **Master of Advance Studies in the Leadership of Health care Organizations (MAS-LHCO)**



# Existing Public Health Education Programs Outside of Health Sciences

- **Bachelor of Arts major and minor in Global Public Health (GPH) – Anthropology**
- **Master of Arts (MA) in Global Public Health (proposed and under review) – Anthropology**
- **Environmental Systems (ESYS) Program - Major / Minor (Physical Sciences)**

## Current Status: Public Health Faculty in Health Sciences

- **We estimate 105 Health Sciences faculty will exercise their choice to shift their primary appointment to the SPH (20 GPH, 85 FMPH, etc)**
  - **30 state FTEs (>\$160M research grants / \$15.5M per year NIH)**
- **Division of Global Public Health (Department of Medicine)**
  - 48 faculty members; 18 post-doctoral fellows, research in 15+ countries
  - Global Health Institute, the Center of Gender Equity and Health, and UC San Diego Health Frontiers in Tijuana clinic
- **Department of Family Medicine and Public Health**
  - 135 faculty: 85 in public health and 50 in family medicine
    - \$125 million in grants and contracts with seven interdisciplinary research centers
    - 95 graduate students (public health PhD, biostats PhD, MAS LHCO)
- **Department of Psychiatry**

# Response to Academic Senate Committee Questions for Pre-Proposal

- **Thanks to the reviewers**
- SDSU collaborations and support
- HS Faculty willingness / engagement in migrating to SPH
  - Plans & expectations for migrating faculty, including teaching plans
  - Plans for FMPH Department (SSPPS)
- HS Faculty / Department support for incorporating undergraduate major program into SPH
- SIO Faculty Support
- Joint appointments / MOUs – agreements / processes (ex. Social Sciences)
- Interdisciplinary Focus of SPH (culture, history, ethics, etc)
- Plans for academic programs proposed for transfer, including clarity on specific components



## Dream Big, Start with Key Priorities and Seek New Funding Streams (Finances / Philanthropy)



# Questions?



# Proposal for a State Funded Program of Graduate Studies in Global Health for the Master of Arts Degree (MAGH)

February 6th, 2018



# WHAT IS GLOBAL HEALTH?



Global Health is “an area for study, research, and practice that places a priority on improving health and achieving health equity for all people worldwide from an interdisciplinary perspective. Global Health emphasizes people world wide. It involves population-based prevention with individual level clinical care”

- Lancet 2009

# Overview

- Within the **Division of Social Sciences** currently existing interdisciplinary Global Health Program housed in the **Department of Anthropology**.
- **Affiliated Faculty** represent a collaboration across campus that brings together faculty from the health sciences, humanities, social sciences and school of business.
  - 21 departments
  - 35 supporting faculty
- **9 required courses** which can be completed in one year.
- Students choose a **thesis** or **comprehensive exam** route.

# Degrees Tracks:

- **5 Year track for current Global Health Majors (Contiguous)**
  - Open to UC San Diego Global Health majors. Students may complete their BA and MA in 5 years.
- **Standalone Master's Program (Non-contiguous)**
  - Open to all students. Students entering from outside the undergraduate major will be required to take additional core coursework in lieu of elective requirements.

# MAGH Requirements

**Students will choose between two concentrations for the degree:**

**Research track** - student completes a research based Global Health Master's Thesis under the supervision of an affiliated faculty member of the program. Students will enroll in two GLBH 299. Independent Research courses with a faculty advisor to develop their thesis. These two courses will satisfy elective requirements.

\*Thesis route is ideal for students interested in entering a Ph.D. program.

Or

**Professional track** - Student completes a comprehensive examination upon completion of coursework.

# MAGH Requirements (9 Courses/ 36 Units)

## **Core Courses (5 courses/20 units):**

*All students must complete:*

- GLBH 200. Global Health Masters Core Seminar (4)
- GLBH 261. Global Health Policy, Diplomacy and Advocacy(4)
- GLBH 249. Social Epidemiology (4)
- GLBH 248. Introduction to Global Health Research (4)
- ANTH 260. Seminar in Medical and Psychological Anthropology (4)

**Non-contiguous** students are required to complete two additional courses from the following list as part of their core requirement:

- GLBH 148. Global Health and Cultural Diversity (4)
- GLBH 181. Essentials of Global Health (4)
- MGT 173. Project Management in the Health Services (4)

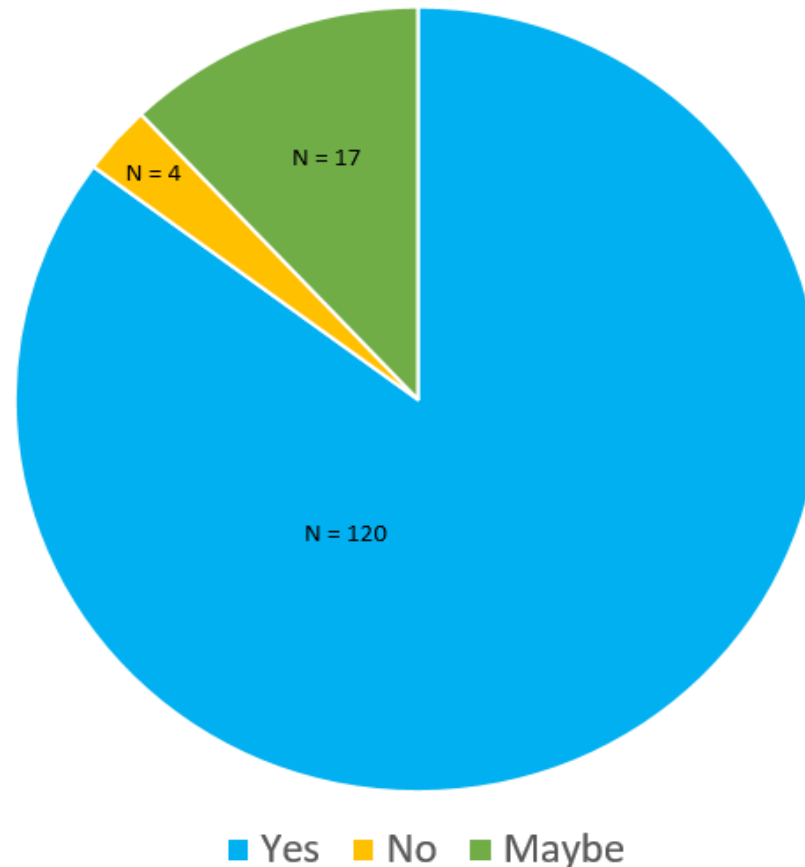
## **Elective Requirements:**

- **Contiguous degree:** 4 courses/ 12 units
- **Non-contiguous degree:** 2 courses/8 units
- \*Students completing the thesis route will enroll in a minimum of two GLBH 299. Independent Research courses to apply towards their elective requirements



## Student MA Interest Responses 2017

Would you be interested in applying to a UC San Diego Global Health Masters Program in which you would complete your BA and MA simultaneously in a total of 5 years?



In March 2017, we polled Global Health students (n=300) to gauge interests in a BA/MA Global Health degree option.

In a sample of Spring 2017 graduating Global Health Seniors (n=60), 29 out of 30 students responded that they would have been interested in applying for a MA in Global Health at UC San Diego.

# Career Outcomes

The MAGH will prepare students prepare students for careers in:

- Academia
- Medical school
- NGO and governmental agency work
- Program development and Implementation
- Health policy and Law
- Health administration
- Other related careers in healthcare.

## Sample Global Health Employers

- Africare
- American Red Cross International
- American Refugee Committee
- Bread for the World
- • Christian Children's Fund
- CONCERN Worldwide US Inc.
- Doctors Without Borders
- Gates Foundation
- Global Health Council
- International Rescue Committee (IRC)
- Mercy Corps
- Partners in Health
- Project Concern International
- Project HOPE
- Save the Children
- UNAIDS
- World Health Organization (WHO)

April 3, 2018

**REPORT OF THE GRADUATE COUNCIL**

At its January 8, 2018 meeting, the Graduate Council approved a proposal from the Department of Electrical and Computer Engineering for the establishment of a new major field of study leading to a M.S. or Ph.D. degree in Electrical Engineering (Applied Electromagnetics). Students pursuing the Applied Electromagnetics major field must satisfy all degree requirements for an M.S. or Ph.D. in Electrical Engineering and complete required coursework in applied electromagnetics.

The Council is supportive of this academic endeavor and recommends that the Representative Assembly approve the proposal.

Sorin Lerner, Chair  
Graduate Council

The complete proposal is available for review: <http://senate.ucsd.edu/media/308461/proposal-ece-ms-and-phd-program-area-in-applied-electromagnetics.pdf>

\*\*\*\*\*

Executive Summary

The Department of Electrical and Computer Engineering in the Jacobs School of Engineering proposes to establish a graduate program of study in Applied Electromagnetics within the M.S. and Ph.D. degree offerings, with an effective date of Fall 2018. Students who complete the program will receive the M.S. or Ph.D. degree in Electrical and Computer Engineering (Applied Electromagnetics).

Currently, there are several research groups in the department who are primarily working in electromagnetics, and the students in these groups take their preliminary exams on the electromagnetics classes. However, a formal program in this area does not currently exist, and these students must choose other areas as their major field (typically circuits or photonics) and then take their prelim in electromagnetics by exception. We are simply proposing to formalize a process which is already used on an exception basis by many students. This will also increase the visibility of our existing strengths in electromagnetics to attract more new students who are interested in this area.

April 3, 2018

**REPORT OF THE GRADUATE COUNCIL**

At its February 12, 2018 meeting, the Graduate Council approved a proposal from the Department of Bioengineering to offer a Medical Specialization within the M.S. in Bioengineering degree program. Students who complete the specialization will be awarded an M.S. in Bioengineering with a Medical Specialization. Students in the specialization will complete 48 units (as is required for all students in the M.S. in Bioengineering program).

The Council is supportive of this academic endeavor and recommends that the Representative Assembly approve the proposal.

Sorin Lerner, Chair  
Graduate Council

The complete proposal is available for review: <http://senate.ucsd.edu/media/308512/proposal-beng-medical-specialization.pdf>

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Executive Summary

The Department of Bioengineering proposes to expand the M.S. degree in Bioengineering by introducing changes in the graduate academic requirements leading to conferral of the M.S. degree in Bioengineering with a Medical Specialization.

The purpose of this specialization is to better prepare bioengineering and engineering students in general for studies leading to professional degrees in medical specialties such as medicine (M.D.), osteopathy (D.O.), dentistry (D.D.S.), physical therapy (D.P.T.) and pharmacy (Pharm.D.), and improve their chances for admission to their respective programs. Alternately these students would choose to develop a career directly related to the practice of medicine and patient care related work and clinical environment.

This specialization will also serve to attract an increased number of students to the M.S. studies in bioengineering, and more rationally distribute the increased student population seeking to obtain bioengineering graduate training at UCSD.

The department proposes to accomplish this within the courses and requirements framework of the existing M.S. in Bioengineering by introducing:

1. A change in emphasis in the two required engineering-based core courses;
2. The option of doing a one quarter internship (Applied Biomedical Internship) that will provide direct contact with the different aspects of medical and health related practices; and,
3. A change in emphasis in the new specialized course that presents health care regulatory aspects related to patient contact, information, environment and devices.

April 3, 2018

**REPORT OF THE GRADUATE COUNCIL**

At its February 12, 2018 meeting, the Graduate Council approved a proposal from the Department of Family Medicine and Public Health to change the name of its M.S. in Biostatistics to M.S. in Biostatistical Sciences. This degree is only awarded to students in the PhD program in Biostatistics who do not pass the Ph.D. qualifier exam and meet the requirements for the M.S. degree. The Council determined that the request constitutes a simple name change as the proposed change does not involve a fundamental modification of the graduate program or a need for substantial new resources.

The Council is supportive of the proposed change and recommends that the Representative Assembly approve the proposal. The proposal will be forwarded to the systemwide Coordinating Committee on Graduate Affairs and the Graduate Council supports allowing the name change to take effect after systemwide review is complete.

Sorin Lerner, Chair  
Graduate Council

The proposal submitted by the Department of Family Medicine and Public Health is below and available at the following link: <http://senate.ucsd.edu/media/308506/proposal-ms-in-biostatistics-name-change.pdf>

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**Proposal to Change the Name of the MS in Biostatistics**

The Department of Family Medicine and Public Health is proposing a simple name change to the existing MS in Biostatistics (referred to in this memo as the “Terminal” MS), which is attached to the PhD in Biostatistics. This degree is part of our PhD in Biostatistics program, in effect since 2016. Students who do not pass the PhD qualifier exam but otherwise have met the coursework requirement receive a “Terminal” MS in Biostatistics.

However, it is very important to us to be able to use the degree title, "MS in Biostatistics", for our newly proposed, self-supporting Master’s degree in Biostatistics. The degree title “MS in Biostatistics” is a commonly used name for a stand-alone program. Use of this name will ensure that the degree is easily recognized and identified, both by prospective students, and, importantly by those evaluating our graduates’ credentials.

The Department would like to rename the previous “Terminal” MS in Biostatistics to “MS in Biostatistical Sciences”, in order to free up the degree title “MS in Biostatistics” for the newly proposed degree. This responds to the suggestions and comments of the Graduate Council from November 2, 2017. No other changes are proposed to the existing “Terminal” MS program.

While the new proposed Master’s program and the existing “Terminal” MS attached to the PhD program have overlapping curricula, they differ in important ways, in their intention, details and scale: The new proposed Master’s program in Biostatistics responds specifically to the increasing demand for MS-level

trained Biostatisticians, who will work in Biomedical Industry and Research. This program has more emphasis on applications and practical skills. The planned recruitment is of 20-30 students each year. In contrast, the "Terminal" MS program will be offered on average less than once a year, to students who do not pass the PhD qualifier exam. The curriculum places more emphasis on theory and research. It is natural to use the more common and recognizable name ("MS in Biostatistics") for the vastly more popular program.

The Department appreciates your consideration of this name change in parallel with the review of the newly proposed Master's program.

April 3, 2018

**REPORT OF THE GRADUATE COUNCIL**

At its February 12, 2018 meeting, the Graduate Council approved a proposal for a new program of study leading to an M.S. in Biostatistics in the Department of Family Medicine and Public Health. The degree program requires completion of at least 56 units of coursework and completion of a comprehensive final examination.

The Council is supportive of this academic endeavor and recommends that the Representative Assembly approve the proposal.

Sorin Lerner, Chair  
Graduate Council

The complete proposal is available for review: <http://senate.ucsd.edu/media/308508/proposal-standalone-ms-in-biostatistics.pdf>

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Executive Summary

The proposed program will award the MS in Biostatistics, offered as an interdepartmental program housed within the Department of Family Medicine and Public Health (FMPH) at UCSD School of Medicine. Participating faculty comprise 9 members of the Division of Biostatistics and Bioinformatics within FMPH. The proposed MS program will complement the new PhD in Biostatistics program that started in Fall 2016.

Forbes Magazine designated a MS in Biostatistics as “Best Master’s Degree for Jobs in 2016”. This recognition is in response to the strong demand for MS-level biostatisticians in academic medical centers, in government agencies, and in the pharmaceutical and biotech industries. Biostatistics graduate programs rank highly among the graduate programs of Statistics or Biostatistics listed in US News and World Report rankings, with three of the top five programs being Biostatistics programs. In California, UCLA, USC, UC Berkeley and UC Davis offer an MS or MA in Biostatistics; no such degree is offered south of Los Angeles. The UCSD degree will be distinguished by its close integration of training in data science methods and applications, training in practical collaborative skills, and use of important data from many areas of the biomedical sciences.

The proposed degree consists of 56 units, including 28 units of biostatistics incorporating data analysis and collaborative projects in the life sciences, intended to provide a foundation in the collaborative data analysis fundamental to professional life as a Biostatistician; 4 units of required coursework in Public Health and Life Sciences, and an additional 20 elective units of Biostatistics, Statistics, or Computer Science. There is a strong emphasis on development of communication and collaboration skills.

The anticipated start date is Fall 2018 and approximately 30 students per year are anticipated. The core courses are among those recently created for the PhD in Biostatistics program that started in Fall 2016.

Only one new course is proposed for the MS program, FMPH 243: Practicum in Biostatistics. This new course will be staffed by the faculty of the Division of Biostatistics and Bioinformatics.

The MS program is expected to bring in revenue from students' tuition. This revenue will be used to support faculty teaching in the MS and PhD programs, staff support, and other needs related to the educational and professional mission of the Division. Need for a half-time administrative assistant is anticipated.