



**OUR GREAT YEAR AHEAD...**

**AUGUST 20, 2020**





**The College of Natural Sciences had a record hiring!:**

- **A total of 22 new, diverse faculty members!**
- **Every department had a new search!**
- **Five more hires than originally planned!**
- **Two continuing and one new hire approved for this year!**



# Biology

- Joseph Heras,
- Bloomington, CA; UCR; CSULA
- PhD, UC Merced

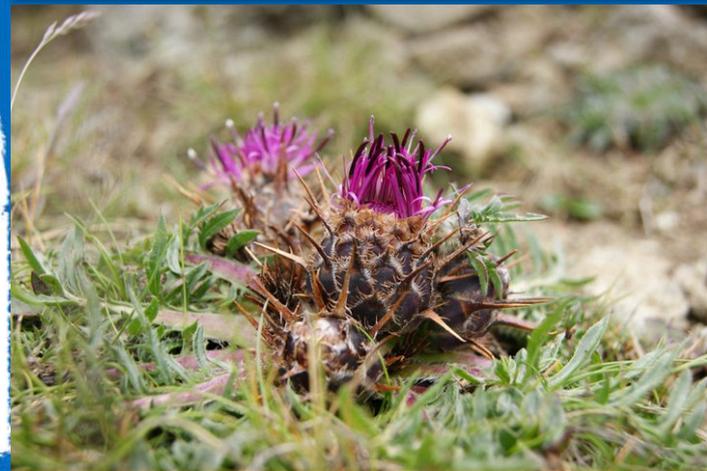
- Quantitative & Systems Biology
- “*Boys in the Blue*”



# Biology

- Lua Lopez Perez, Spain
- PhD, University of A Coruña
- Binghamton, SUNY

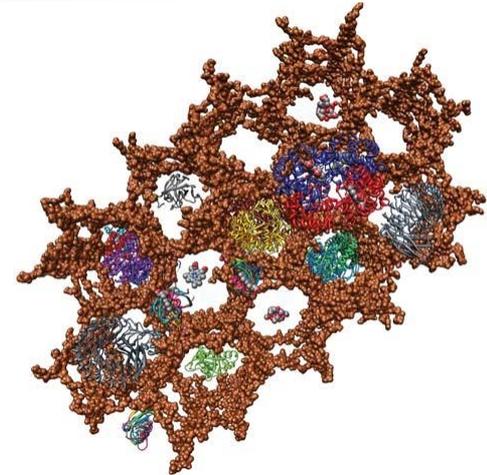
- Conservation genetics
- “*Pied Piper* of ducklings”



# Chemistry & Biochemistry

- ❑ Xiaoxu Jiang
- ❑ PhD, University of Oklahoma
- ❑ UCLA, Nicholls State U

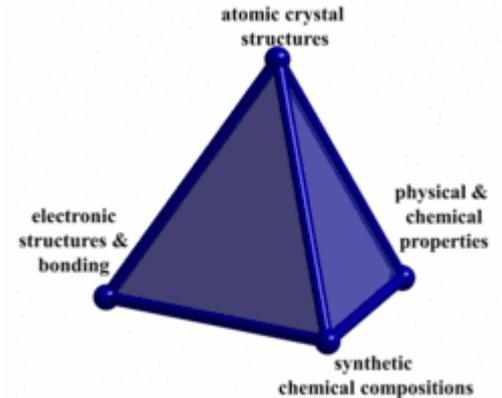
- ❑ Transport mechanism of biological molecules
- ❑ “*Fishing & Cajun food*”



# Chemistry & Biochemistry

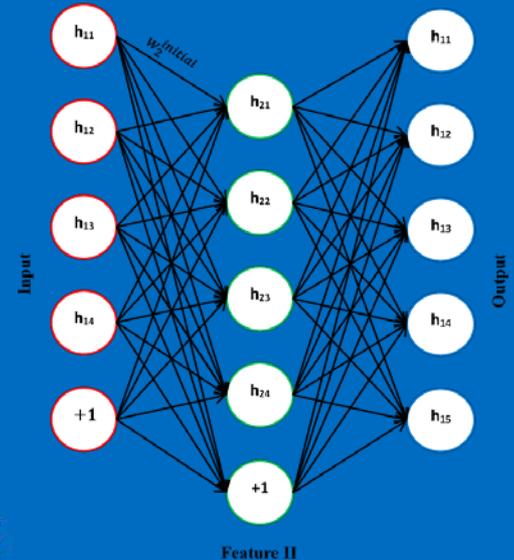
- ☐ Joyce Pham
- ☐ PhD, Iowa State University
- ☐ Max Planck Institute

- ☐ Solid State Chemistry Phamily
- ☐ *“Electric and acoustic Cello”*



# Computer Science & Engineering

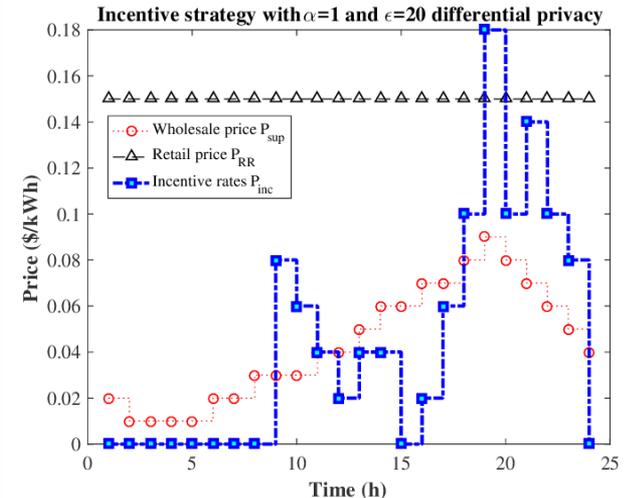
- Adil Al-Azzawi
  - PhD, University of Missouri
  - Taught in Iraq;
- 
- Bioinformatics, Computer Vision
  - *“Love to spoil his kids”*



# Computer Science & Engineering

- Amir Ghasemkhani
- PhD, University of Nevada, Reno
- Electrical Computer Engineering

- Stochastic optimization, Cyber physical systems
- “*Lord of the Rings*”



# Computer Science & Engineering

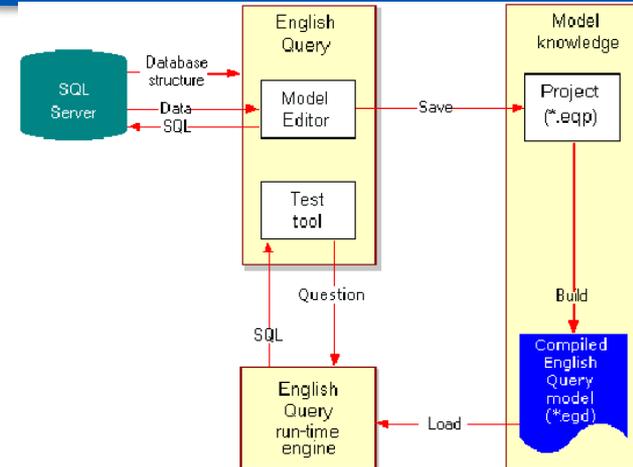
Jennifer Jin

PhD, UC Irvine

Saddleback College

Medical Imaging Analytics,  
Machine learning

*“Family of Computer scientists”*



# Computer Science & Engineering

Bilal Kahn

PhD, U of Bradford, UK

Artificial Intelligence/ML

Young Professional in Water Treatment Technology

*“Next PM of Pakistan”*



Parameter Name	Parameter Value	Average
Permeate Flow (gpm)	14.30	0.5
Feed EC (uS/cm)	570.83	14
Feed Pressure (psig)	178.52	20



# Health Science & Human Ecology

- Mahmood Nikbakht Zedah
  - PhD, medical entomology, Tehran University of Medical Sciences, Iran
  - PhD, chemical ecology, University of Bayreuth, Germany
- 
- UC Davis, San Diego State, Vector Biologist in Vermont
  - *“World Traveler and a photographer”*



**Cantharidin in Beetles:**  
From Chemical Defense to Chemical Communication

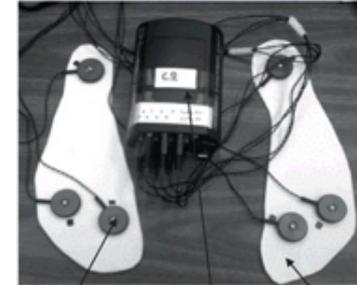
Dr. Mahmood R. Nikbakhtzadeh  
US Navy, San Diego

# Kinesiology

- Venkata Naga Pradeep Ambati
  - PhD, interdisciplinary health sciences, University of Texas at El Paso
  - Southern Illinois
- 
- Biomedical engineer; gaze behavior of autistic children
  - *“Must try his east-west fusion”*



(a)



(b)  
C2 Factors  
Tactor Control Unit  
Soft pad

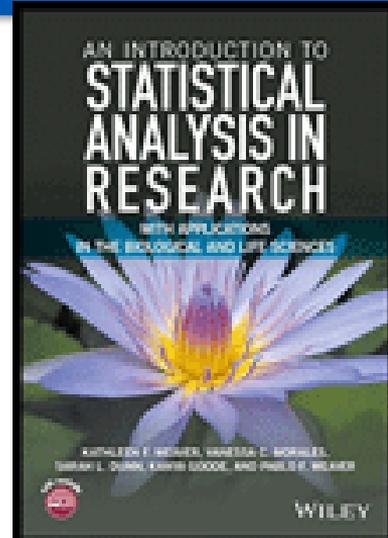
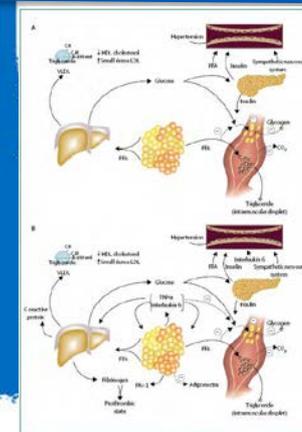
# Kinesiology

Sarah Dunn

PhD, exercise physiology,  
University of New South Wales

Life style intervention for disease  
prevention; Univ of La Verne

*“Chose PDC for access to golf”*



# Kinesiology

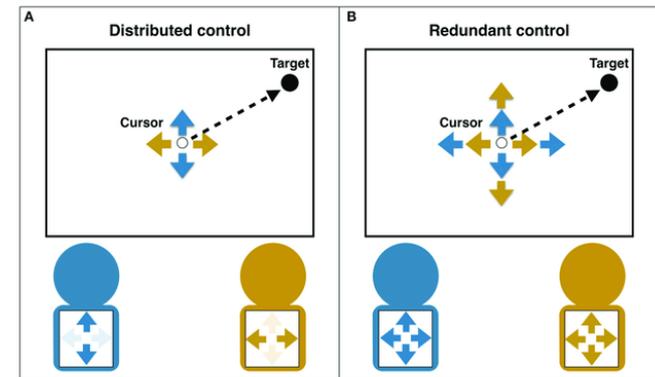
April Karlinsky

PhD, U of British Columbia

Toronto-Budapest-Toronto

Motor learning in social context; I Can't move this.

*"No, I am not born in..."*



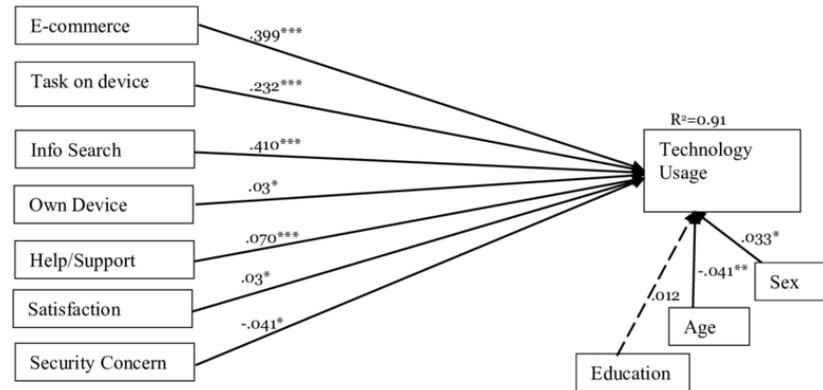
**FIGURE 1** | An example of a joint object control task in which two co-actors control the movements of a cursor with the goal to move it to a target location. **(A)** Distributed control: Control is divided between co-actors such that the left co-actor can move the cursor in the vertical dimension while the right co-actor can move the cursor within the horizontal dimension (see Wahn et al., 2016). **(B)** Redundant control: Both co-actors can move the cursor in the vertical and horizontal dimensions.

# Mathematics

- **Hani Aldirawi**
- **PhD, Univ. of Illinois, Chicago**
- **Gaza strip, Palestine**

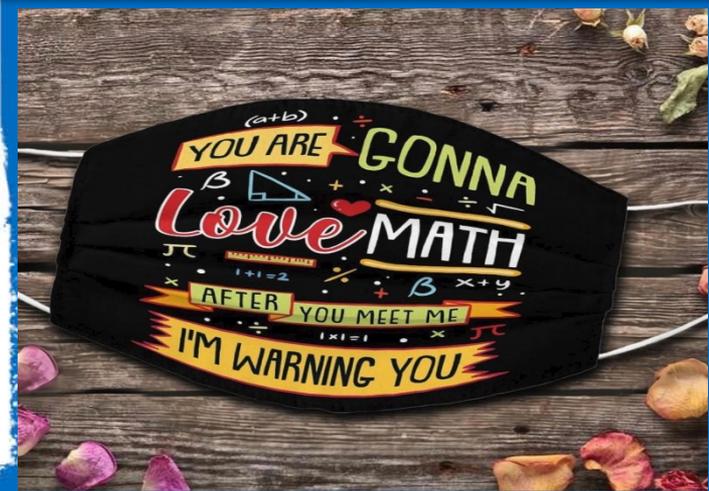


- **Sparse, microbiome, insurance data; Statistics**
- ***“Defending with family”***



# Mathematics

- Stephen Balady
  - PhD, University of Maryland
  - Algebraic Number Theory
- 
- Mathematics Education
  - Identities of math thinkers
  - “Oberlin- the finest music conservatory”



# Mathematics

Youngsu Kim

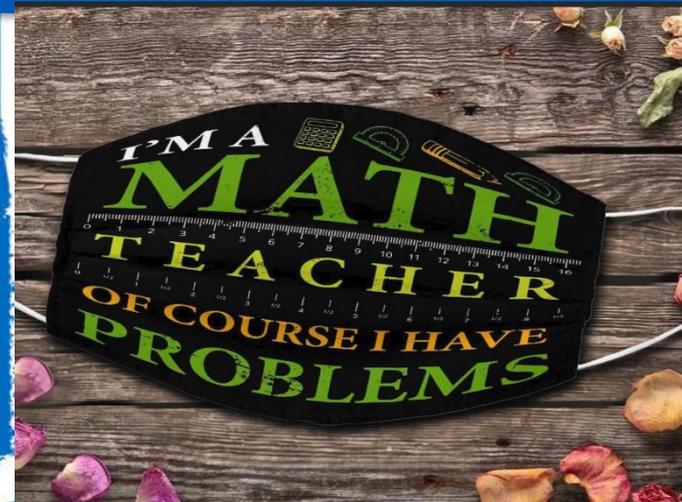
PhD, Purdue University

Commutative Algebra;

Algebraic Geometry

UCR, Arkansas

*“Dodgers with dad and Joe”*



# Mathematics

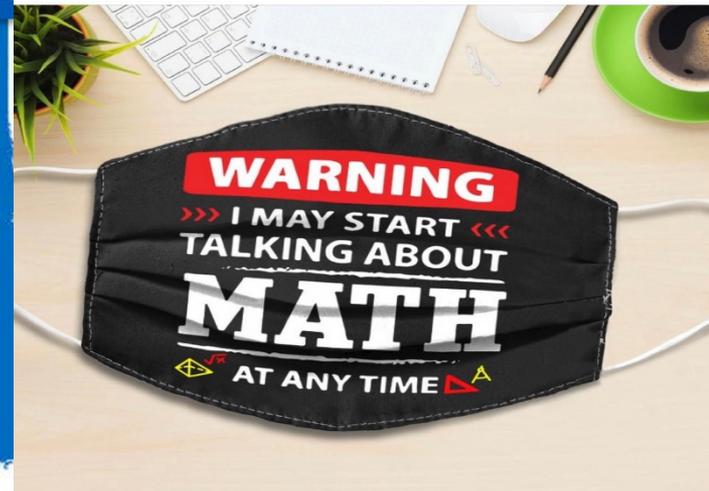
Bronson Lim

PhD, University of Oregon

Algebraic geometry

University of Utah

*“Duck among coyotes”*



# Mathematics

- Dalton Marsh
  - PhD, University of New Hampshire
- 
- Math Education; Statistics; retention in STEM.
  - “4 D’s *make a relay team*”





# Nursing

□ Anne Lama

□ DNP, Azusa Pacific University

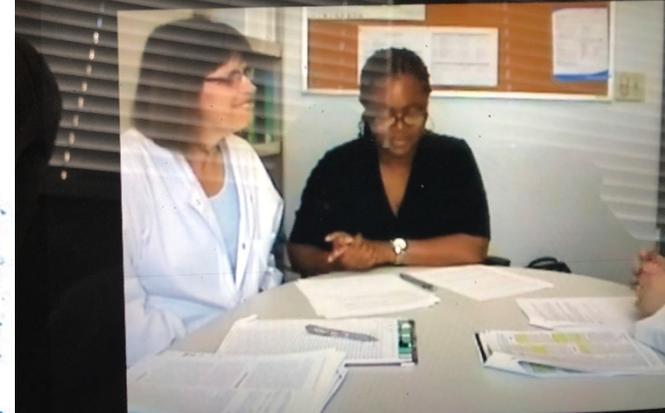
□ MS in Nursing from CSUSB

□ Risky drinking behavior,  
homeless outreach

□ *“Ziplined to crush fears”*



How to Critique a Qualitative Report



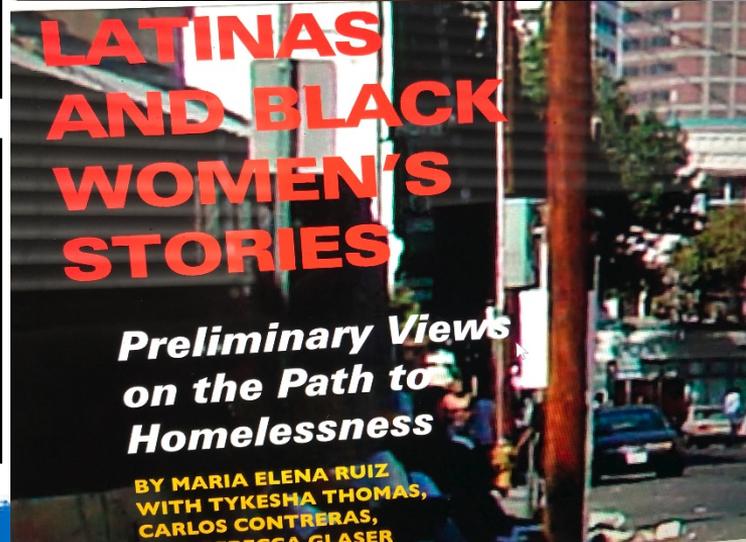
# Nursing

- **Henrietta Nwamu**
  - **Ph.D., University of Phoenix**
  - **Home economics, nursing**
- 
- **Online learning; support systems**
  - ***“Fulfilling father’s dream”***



# Nursing

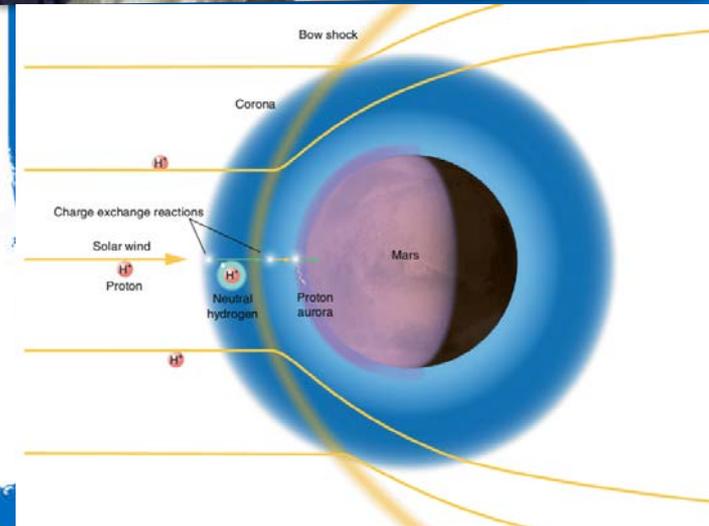
- Tykeysha (Ty) Thomas
  - PhD, UCLA
  - Nursing Research
- 
- Health Disparities, coping with stress, microaggressions
  - *“Cruising on 101 in a convertible”*



# Physics

- Matteo Crismani
- PhD, University of Colorado, Boulder

- Astrophysics & planetary science; Martian atmosphere; NASA
- *“Dad fled Germany, Mom Aboriginal Australian”*



# Looking Back to Go Forward

## Congratulations!

- All promotions & tenure
- New hires
- Retirements
- Jose Salazar
- Alice Martinez

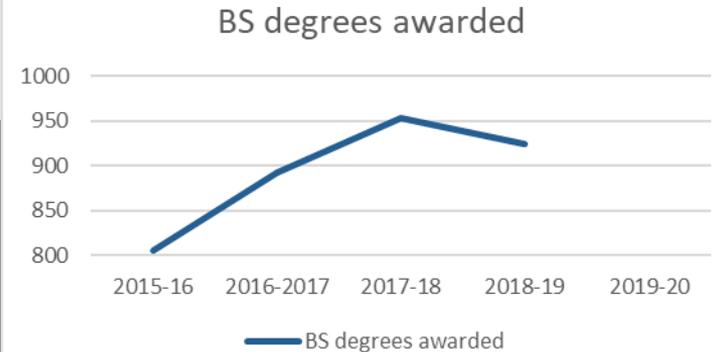
## We keep our focus on:

- Student Success
- Faculty Success
- Staff Success
- Visibility & Impact

# Student Success

- Graduation Rates
- Retention
- Careers & Graduate/Professional

- Advising
- Empathy & Sense of Belonging
- Better Teaching & Learning



FTF Graduation rates

Department	4-Yr Graduation Rate		6-Yr Graduation Rate	
	Fall 2014	Fall 2015	Fall 2012	Fall 2013
Biology	9.1%	10.0%	56.6%	50.9%
Chemistry and Biochemistry	16.9%	12.8%	53.2%	56.1%
Computer Science & Engineering	13.0%	8.8%	57.8%	37.9%
Geological Sciences	*	*	*	*
Health Science/Human Ecology	12.7%	19.4%	54.2%	66.7%
Kinesiology	19.4%	21.4%	56.6%	50.0%
Mathematics	23.4%	23.2%	55.2%	57.1%
Nursing	22.7%	25.0%	54.1%	49.3%
Physics	8.0%	26.3%	41.7%	80.0%
Total	13.6%	14.6%	55.4%	50.5%

# Student Success

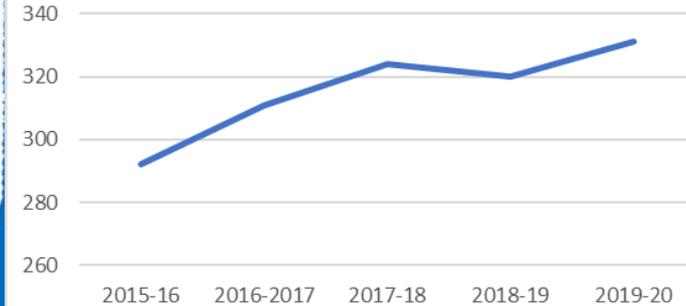
- A4US
  - ISSUES-X
  - S-STEM
- 
- Learning Assistants & Embedded Tutors; Supplemental Instruction
  - CIRM; CEME; International Experiences



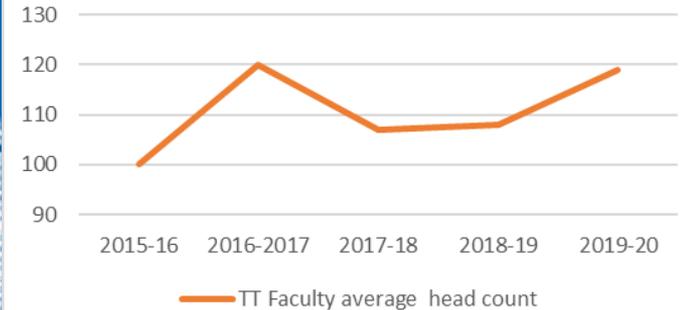
# Faculty Success

- Tenure track density
  - Grant support & Success
  - Summer Training
- 
- Mini-grants
  - ISSUES-X
  - FCE, TRC, Mentoring Program

CNS Faculty average head count



CNS TT Faculty head count



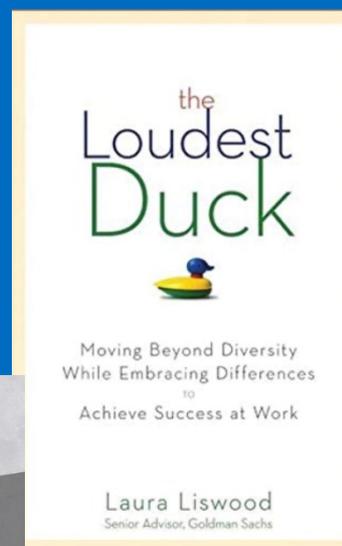
# Grants submitted last year

PROPOSALS BY COLLEGE/DIVISION				
Division of Academic Affairs	5	\$ 9,443,898	\$ 310,558	\$ 9,754,456
College of Arts & Letters (CAL)	17	\$ 2,064,095	\$ 184,136	\$ 2,248,231
College of Business & Public Admin (CBPA)	23	\$ 12,751,981	\$ 2,681,982	\$ 15,433,963
<b>College of Natural Sciences (CNS)</b>	<b>20</b>	<b>\$ 4,383,002</b>	<b>\$ 1,310,662</b>	<b>\$ 5,693,664</b>
College of Education (COE)	8	\$ 5,234,610	\$ 270,292	\$ 5,504,902
College of Social & Behavioral Sciences (CSBS)	16	\$ 3,341,111	\$ 836,385	\$ 4,177,496
Division of Student Affairs	2	\$ 4,229,288	\$ 248,559	\$ 4,477,847
	91	\$ 41,447,985	\$ 5,842,574	\$ 47,290,559

# Staff Success

- Growth in Advising
- Professional Development
- Team Building Activities

- “Unlikely”
- “The Loudest Duck”
- Challenges



# Looking Ahead

- **Work Together**
- **Be Innovative**
- **Health Sciences**
- **iSLAB**
- **New A&P**
- **Yasuda**
- **Develop New Programs**
  - MS in Material Science
  - MS in Nutrition
  - General Science?
  - DNP
  - PA
  - Certificates through CEGE

# Thank You

For all you do...

*Everyday...*