

# **College of Sciences and Arts**

## **2019 Fall Faculty and Staff Meeting**



# Department Chairs



## **Megan Frost- Kinesiology and Integrative Physiology**

Megan joined the faculty at Michigan Tech in 2007, and is associate professor of biomedical engineering. The focus of her research is applying technology to better understanding biological response to materials and devices in such things as wound healing, implantable sensors, catheters, ECMO circuits and membranes, etc



## **Patty Sotirin- Humanities**

Patty is a renowned scholar of communication, specializing in qualitative approaches to gender, family, culture, and the workplace. She joined the Michigan Tech faculty in 1994, and has been Professor of Communication in our Humanities Department since 2010.



# Air Force ROTC

## Major (Ret) Andrea Guerrero



Major (Ret) Andrea Guerrero recently completed 21 years active duty service as a Medic and Nurse in the USAF Nurse Corps. She will instruct the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year cadets.

Here most recent assignment was as Nurse Administrator and Education Programs Manager at the Air Force Medical Operations Agency (AFMOA) San Antonio, TX., where she assisted in the oversight of all Air Force Medical Services Education Training and Travel Programs for 72 medical treatment hospitals and clinics.

Maj. (Ret.) Guerrero was deployed as clinical nurse for Operation Enduring Freedom, Bagram Air Base, Afghanistan 2007-08.

She received her Master's of Nursing/Education in 2006 from the University of Northern Colorado. Her undergraduate Bachelor of Science in Nursing was earned at the University of Southern Mississippi in 1996. Andrea resided and graduated from Chassell High School. Go Panthers!



# Biological Sciences

## **Trista Vick-Majors: Assistant Professor (Microbial Ecology)**



Dr. Vick-Majors is an Antarctic biogeochemist and microbial ecologist, best known for her work showing that microorganisms are present under the Antarctic ice sheet. She completed her BA in Biology at Colorado College in 2003. Vick-Majors spent two years studying the microbial ecology of hot springs at the University of Nevada-Las Vegas and graduated with her MSc from Montana State University in 2010. Vick-Majors earned her PhD in Ecology and Environmental Sciences from Montana State University in 2016.

She worked as a postdoctoral research scientist at L'Université du Québec à Montréal for one year. Trista is coming to Michigan Tech from Flathead Lake Biological Station at University of Montana where she was a postdoctoral research scientist since 2017. Her projects focused on the connections between microbial communities and the cycling of dissolved organic matter in boreal aquatic environments, nitrogen cycling in the oligotrophic North Pacific, and on microbial communities in alpine lakes.



# Chemistry

## **Dr. Karabenchewa-Christova: Research Associate Professor**



Dr. Karabenchewa-Christova joined the Department of Chemistry as a research associate professor in fall 2017, and now joins the tenure-track faculty. Her research is in computational chemistry and cheminformatics, with a focus on understanding the reaction mechanisms of metal-containing enzymes involved in DNA damage repair, neurodegenerative diseases, and cancer.

She earned her Ph.D. in computational chemistry from Bristol University in the UK in 2011, was a research fellow at the Autonomous University in Barcelona, and held a Marie Curie International Career Development Fellowship at Stanford University. Before joining Michigan Tech, she held the rank of associate professor at Northumbria University in Newcastle, UK.



# Cognitive and Learning Sciences

## Erich Petuschek: Assistant Professor



- PhD in Applied Cognitive Science and Human Factors (2014), MTU
- Postdoctoral Fellow in Applied Cognition and Cognitive Engineering, University of Huddersfield, Huddersfield, United Kingdom (2014-2015)
- Assistant Professor, College of Human Medicine, Michigan State University, Upper Peninsula Regional Campus **and** Research Associate, School of Health and Human Performance, Northern Michigan University (2015-2019)
- Research program aims to train individual in methods that reduce modifiable health disorders and health disparities, while promoting community health engagement and applied science innovation.



# Cognitive and Learning Sciences cont.

## Samantha Smith: Assistant Professor



- PhD in Psychology (2017), University of Canterbury, New Zealand
- NRC Postdoctoral Associate in the Human Performance Wing, Applied Neuroscience Branch of the AFRL Science and Tech Fellowship Program, Wright Patterson AFB. (2017 – 2019)
- Scholarly work involves understanding the underlying mechanism(s) of declined performance over time in sustained attention tasks; the interaction between cognitive and physical task demands in high-risk settings such as firefighting, military, etc.





# Cognitive and Learning Sciences Lecturer

## Kay Tislar: Lecturer



- Ph.D. in Applied Cognitive Science and Human Factors (expected 2020), MTU
- Kay brings 30 years of experience - including her own consulting business - developing documentation, training, and marketing materials for users and products including several Fortune 500 companies.
- Scholarly work examines multimedia learning, instructional design, cognitive load, older adults and technology, software and website design and usability.





# Humanities

## Shelly Galliah: Visiting Assistant Professor



Shelly Galliah joins the Humanities Department as a Visiting Assistant Professor in Rhetoric and Composition.

Her research interests include speculative fiction, satire, comedy, faux news, the philosophy of technology, popular science, and rhetoric. Of special interest is the ambiguous role of comedians as public intellectuals, particularly their responsibilities when weighing in on political matters as well as on contentious scientific controversies.

She holds an M.A. from Dalhousie University and is finishing her PhD in Rhetoric, Theory, and Culture at Michigan Tech.



# Social Sciences

## **Mark Rhodes: Assistant Professor**



Mark is a cultural geographer who examines the creation of "heritage" and a "sense of place" through museums, monuments, music and stories, and the management of landscapes, particularly in areas that have experienced deindustrialization. He will contribute to the department's graduate program in Industrial Heritage and Archaeology, the department's undergraduate programs in history and anthropology, and to the university's general education program. He received his PhD in geography from Kent State University.



# Physics

## Elena Giusarma: Assistant Professor



Dr. Elena Giusarma is a cosmologist working on the interplay between theory and data. She came to MTU from the Flatiron Institute's Center for Computational Astrophysics, New York, a division of Simons Foundation. Previously, she was a Postdoctoral Fellowship at the Carnegie Mellon University, a Visiting Research at LBNL/UC Berkeley, and an INFN Fellow at the Istituto di Fisica Nucleare, Rome, Italy. Elena graduated from the Institute of Corpuscular Physics, Valencia, Spain, with a doctoral degree in Physics. The long term goal of her work is to analyze upcoming cosmological data to study the composition of the Universe and apply machine learning tools to understand the role of neutrinos in the Universe.



# Physics cont.

## **Mauricio Reyes: Research Assistant Professor**



Dr. Mauricio Reyes Hurtado works in the areas of Fiber-Optic Devices, Photonics and Machine Learning. Previously, he worked as Data Scientist with autonomous Robots for KiwiBot in Silicon Valley. He received the PhD degree from the University of Valencia, Spain, and was awarded the Insight Data Science Fellowship at New York. The long term goal of his work is to design a new intraocular lens using machine learning techniques.

## **Aurora Costales: Visiting Professor**



Dr. Costales is Professor at the University of Oviedo, Oviedo, Spain. Her research is focused on the fundamental aspects of the theory of chemical bonds in real space, and its relation with molecular stability to large systems of biological interest and to materials of technological importance.



# Visual and Performing Arts

## Mary Cyr: Lecturer



Originally from Indiana, she previously held the position of Assistant Professor/Head of Costumes, Wigs, and Make-up and Co-Director of Costume Construction Technology in the Indiana University School of Music. She supervised costumes for over 60 operas and ballets while at Indiana University. She has designed costumes for the Brown County Playhouse, the Indiana Repertory Theatre, the IU Opera/Ballet Theatre, the IU Early Music Institute, the World Premiere of *A Bird in Your Ear* for the Bard College Conservatory of Music, the Boston Playwrights' Theatre, the York College Music Division, *Dido and Aeneas* for The Ohio State University, and most recently for the Michigan Tech Department of Visual and Performing Arts.



# Visual and Performing Arts cont.

## Adam Meckler: Assistant Professor



Adam joined the faculty at Michigan Tech Fall of 2019 after a decade-long career as a freelance trumpeter, composer, and educator based in Minneapolis, MN. While based in MN, he held faculty positions at McNally Smith College of Music, Macalester College, MCTC, and MacPhail Center For Music.

Meckler is an Edwards Instrument Co. Performing Artist and Clinician, and leads The Adam Meckler Orchestra (AMO), an 18 piece big band that plays his original compositions. The AMO's debut album 'When the Clouds Look Like This' was listed among 2014's Best Jazz Releases by iTunes. Adam tours and records with The Hornheads (Prince), Youngblood Brass Band, and Nooky Jones, and plays regularly with his wife, vocalist/flautist Jana Nyberg. With the

Hornheads, Meckler has appeared on recordings by Michael Jackson, and Cory Wong (Vulfpek). Frequently commissioned to write new works for big band, Meckler is also a top-call trumpeter, and has performed with artists such as The Temptations, The Four Tops, Andre Cymone (Prince), Cory Wong (Vulfpek), and Justin Robinson (Roy Hargrove Quintet).



# CSA Department Accomplishments

## Air Force ROTC Highlights

- Joint Military Ball guest speaker, the first military aircraft in two decades to land at CMX and highest ranking military officer visit in as much time.
- ROTC cadet of the year for the state of Michigan, third year in a row.
- Commissioned 2 cadets as 2Lt's into the U.S. Air Force
- Sent 19 AS 200 cadets (sophomores) to AFROTC Field Training over the summer. All cadets completed successfully and 1 cadet was awarded the Distinguished Graduate award for his performance
- Sent 3 cadets to PROJECT GO, an Air Force immersive language program, in the languages of Chinese, Turkish, and Russian





# Air Force ROTC Highlights cont.

- Sent 3 cadets to OPERATIONS AIR FORCE, a two-week operational immersion program where cadets get to shadow an officer at an Air Force Base. Our three cadets attended the program at Eglin AFB in Florida, Malmstrom AFB in Wyoming, and Grand Forks AFB in North Dakota
- AFROTC welcomed its largest recruiting class in over 10 years with 38 freshman cadets enrolled in the program as of 30 August, bringing our total cadet population to 95 cadets at the start of the Fall 2019 semester. Just two years ago we were sitting at 30 total cadets in the program
- The Commander of AFROTC will be visiting Michigan Tech on 15 October. This will be the first visit by the Commander, Colonel Bennett, in over 4 years.
- The University President signed the memorandum of agreement authorizing "in-state" tuition to any out-of-state cadet who comes to MTU their Freshman year with an AFROTC Scholarship.



# Army ROTC Highlights

- Six cadets in the Cultural Understanding and Leadership Program (CULP) over the summer. They took a basic language course, and partnered with host nation militaries for one month of training in Guatemala, Latvia, the Congo, and Peru.
- Five Cadets completed Army internships, three with the Army Cyber Education Program and two with the US Army Corps of Engineers.
- Thirteen cadets completed their required summer advanced camp at Ft. Knox, KY. Events include a 12-mile road march, physical fitness test, obstacle course, land navigation training, communications training, medical training, rifle qualification, grenades and rappelling from a 40-foot tower. Cadet Catron and Cadet Wallach were among a few out of 6,000 nationwide to achieve the highest award for summer camp, called the Recondo Award.
- Two cadets conducted training with active duty Army units for one month.
- Cadet Grulke attended the Army SAPPER school which is a 30 day school similar to Ranger School performs a variety of military engineering duties such as breaching fortifications, demolitions. Earning the coveted SAPPER Tab.
- Two cadets completed the Army Air Assault School where they learned how to rappel from helicopters, prepare equipment to be sling loaded by Army aviation, and create landing zones for aviation.
- Two cadets completed the Army Airborne School where they learned to parachute via sling lines.
- We are on track to commission six cadets as 2nd Lieutenants in December.



# Biological Sciences Highlights

- Associate professor, **Thomas Werner** won this year's University-wide Teaching Excellence award in the Associate Professor/Professor category. This is his second Teaching Excellence Award. The first award he won was in 2013 in the Assistant Professor category.
- MLS Program Coordinator, **Kelsey Johnson** received the American Society of Clinical Pathology (ASCP) Career Ambassador 2.0 award for her outstanding volunteerism.
- Graduate student, **Chris Adams** won a fellowship from the DeVlig foundation for summer 2019.
- Undergraduate student, **Tessa Steenwinkel** won the Provost's leadership award, Departmental scholarship award, Goldwater fellowship, SURF award and was a co-author of a book published with her advisor.
- The Medical Laboratory Sciences program received formal NAACLS accreditation in Fall 2018 for five years. The department also successfully completed the external review of degree programs in 2018.
- Currently, ~95% of tenure-track and tenured faculty have research funding that helps in training 70-100 undergrads and about 45 graduate students annually in research projects in biological sciences.
- Alumni News and Honors: **David Frendewey** '76 Biosciences was inducted into the CSA Academy of Distinguished Alumni. **Christine LaPeer** '85 Med Tech alum was chosen along with her husband, **Karl LaPeer** '85 Mechanical Engineering for the Humanitarian award from Michigan Tech.
- Promotions:

**John Durocher**  
**Ebenezer Tumban**

promoted to Associate Professor with Tenure  
promoted to Associate Professor with Tenure



# Chemistry Highlights

- 8 Ph.D. degrees awarded (CH & BMB)
- First-year undergrad paid deposits up by over 85% (28)
- Paul Charlesworth is the winner of the Dean's Teaching Showcase in the "large lecture" category!
- New funding from NSF, NIH, AHA totaling ~\$1.5 M
  - Haiying Liu (NIH), Marina Tanasova (NIH)
  - Shiyue Fang (NSF), Christo Christov (NSF)
  - Lanrong Bi (American Heart Association)



## Chemistry Highlights cont.

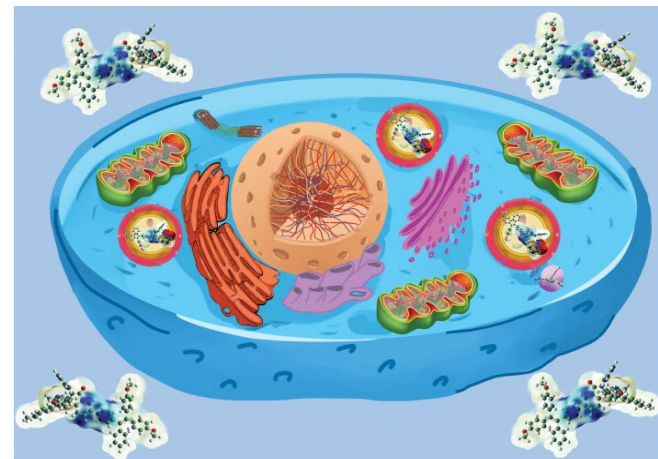
- Lynn Mazzoleni's project has been approved by the Keck foundation for a phase 1 proposal.
- Sarah Green is a co-author of the article "Quantifying the Consensus on Anthropogenic Global Warming in the Scientific Literature," which has been downloaded >1 million times.
- Sarah will also coordinate Michigan Tech's participation for "observer status" at the *United Nations Framework*





# Chemistry Highlights cont. - Celebrations

- Article by H. Liu, R. Luck et al. featured on the back cover of *Journal of Materials Chemistry B*
- **Loredana Valenzano-Slough** is publishing a book with 2 students: *Printing 3D Models in Chemistry: A Step-by-Step Open-Source Guide for Hobbyists, Corporate Professionals, and Educators and Students in K-12 and Higher Education*



Showcasing research from teams in the Department of Chemistry at Michigan Technological University and in the College of Biological, Chemical Sciences and Engineering at Jiaxing University

Near-infrared fluorescent probes based on TBET and FRET rhodamine acceptors with different  $pK_a$  values for sensitive ratiometric visualization of pH changes in live cells

Three near-infrared fluorescent probes with different  $pK_a$  values were designed and synthesized to achieve sensitive ratiometric visualization of pH variations in lysosomes in visible and near-infrared channels.

As featured in:



See Jianbo Wang, Rudy L. Luck, Hsien-Ming Lee, Haiying Liu et al., *J. Mater. Chem. B*, 2019, 7, 198.



Celebrating  
IYPT 2019

[rsc.li/materials-b](https://rsc.li/materials-b)

Registered charity number: 207890



# Kinesiology and Integrative Physiology Highlights

- Conferred our first 2 PhD degrees in Integrative Physiology to Dr. Matthew Kilgas and Dr. Kevin Philips
- 2019 American Kinesiology Association National Undergraduate Scholar Award to Alyssa Smith
- 2019 American Kinesiology Association National Masters Scholar Honorable Mention to Thomas Bye
- Dr. Jason Carter elected as Councilor of the American Physiological Society





# Cognitive and Learning Sciences Highlights

## Teaching

- **1<sup>st</sup> cohort** of MS coursework only students!
- **16% growth** overall in graduate/undergrad enrollment
- Successfully hired **2 new ACSHF faculty and 1 lecturer**
- **Teacher Professional Development** – 18 State workshops, education credit for 100+ teachers

## Research

- **New funding:** Elizabeth Veinott (PI) & Shane Mueller Co-PI received one of Tech's first IARPA contracts for improving human analysis. Effort is interdisciplinary with multi-universities and industry partners.
- **CLS faculty published:** 17 publications and 28 conference presentations, including co-authorship with 18 undergrad and graduates students.

**Recognition:** 5 (of 7) faculty recognized at the National level



# Mathematical Sciences Highlights

- New Master's degree in Applied Statistics (offered entirely online) started Summer 2019 and is slightly ahead of enrollment targets, with at least 25 students enrolled for Fall 2019.
- The department graduated 13 PhD students in the past two academic years, with some excellent placements (e.g. postdocs at Yale and the University of Michigan).
- Ken Ono from the University of Virginia will give the 2019 Kliakhandler Lectures. His public lecture (*Why does Ramanujan, "The Man Who Knew Infinity," Matter?*) will be Thursday, September 19, 5:00 pm in Dow 641. Dr. Ono is an excellent speaker and this talk is aimed at a general audience, so please plan to attend if possible.



# Humanities Highlights

- Dr. Abraham Romney and Dr. Marcelino Ramos-Viera promoted to Associate Professor w/ tenure
- 8 degrees awarded by RTC graduate program (2 PhD, 6MA); 8 incoming students (2 MA, 6PhD)
- Faculty published 2 books, 22 articles/book chapters, presented 36 conference papers
- Awards and grants
  - Dr. Scott Marratto, President of the Canadian Society for Continental Philosophy
  - Dr. Sue Collins, Director, WWI Armistice Commemorations (multiple events and an actual trench)
  - Dr. Dana van Kooy, Fulbright Research Scholarship
  - Dr. Stefka Hristova, Newberry Library Archival Research
  - Dr. Marika Seigel NSF grant PI; 6 faculty are Co-PIs on NSF or NEH Grants
  - Dr. Jennifer Slack named a Michigan Tech Distinguished Professor and Director of the Institute for Policy, Ethics, and Culture (IPEC)
- Completed external reviews of the three undergraduate programs and the RTC graduate program.



# Social Sciences Highlights

- Dr. Richelle Winkler received the Community Sparkplug award from the Keweenaw Chamber of Commerce in association with her community-engaged research.
- Dr. Kathleen Halvorseen was named University Professor
- New BS program (Sustainability Science & Society) contributed to the Department's largest incoming class in ten years.
- 13 faculty members are PIs on projects that were awarded funds over the last year (totaling \$3.5 million for multiple years, with co-PIs in other departments)
- 3 faculty-led study abroad programs planned for Summer 2020 (England, Greece, and Costa Rica).



# Physics Highlights

## Building the STEM workforce

- BS: Anderson (Milwaukee Tool), Kaminski (ArcelorMittal), Schlorke (GE Aviation)
- MS: Videtich, Sheidler, and Bertschinger (Navel Surface Warfare Center-Maryland)
- PhD: Brisbois (Maryland), Chandrakar (NCAR), Desai (BNL), Waters (ARL), Wilson (USNO)

## Research

- Undergraduate and graduate students were co-authors of 33 journal publications.
- El-Ganainy's group published papers in Nature Communications and Science
- Research awards approaching ~\$2.0 million; “top research expenditures in CSA”:  
Raymond Shaw

## Teaching

- Dean’s teaching show case: John Jaszczak

## Service

- Will Cantrell: Associate Dean of Graduate School
- John Jaszczak: Interim Chair of Chemistry



# Visual and Performing Arts Highlights

Celebrated the 25<sup>th</sup> anniversary of the founding of the department. Hosted the first department Anniversary Gala. Plans are in the works for galas to celebrate the 20<sup>th</sup> (2020) and 25<sup>th</sup> (2025) anniversaries of the Rozsa Center.

**Visual Art:** Art installations, residencies, or presentations at the University of Iowa Department of Psychological and Brain Sciences (Anne Beffel), Museum of Walking-Arizona State University (Beffel), Ford Forestry Center (Beffel), Arrowhead Regional Biennial (Lisa Gordillo) North Dakota Human Rights Film and Arts Festival (Gordillo), Santa Fe Arts Institute Truth and Reconciliation Residency (Gordillo).

**Music:** Recording with John Hollenbeck Large Ensemble named as GRAMMY nominee for Best Large Jazz Ensemble and named on *The New York Times* list of 20 Best Jazz Recordings of 2018 (Mike Christianson), performances of compositions in Sacramento, Atlanta, Boston, Vallejo (CA) (Libby Meyer), Recording of original works with Capella Clausura at WGBH Studios in Boston (Meyer).



# VPA Highlights cont.

**Theatre:** Leadership in United States Institute of Theatre Technology (MC Friedrich, Christopher Plummer, Kent Cyr), Presentations at the Association of Theatre in Higher Education (Helsel).

**Sound:** Publication of new textbook, *The Sound Systems Design Primer* (Josh Loar), Presentations at the United States Institute of Theatre Technology National Conference (Josh Loar), Sound Designs for Ohio Light Opera (Christopher Plummer), Installation of sound projects in Experiential WWI Commemorative Trench (Christopher Plummer).

**Rozsa Center:** Total of 183 events hosted in our public venues. 44 ticketed VPA/Rozsa events, 5 public lectures, 7 art exhibitions, other student, university, rental events. VPA/Rozsa ticketed performance attendance: 10,477. Total attendance/participation (all hosted events) 50,697.





# From Last Year's Meeting

## Dave's Priorities 2018-2019

1. Recruitment and Retention, Enrollment
2. Development
3. External Funding
4. Promotion and Tenure – 20 cases.
5. New Hiring and Faculty retention
6. Flexible Budget Model
7. Begin Strategic Planning, formulate vision for CSA

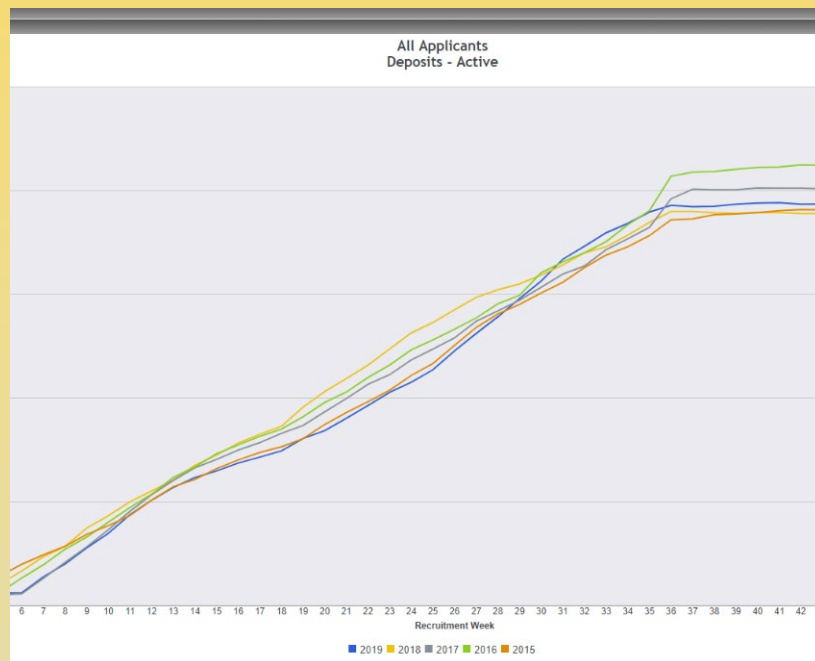


# Recruitment & Retention

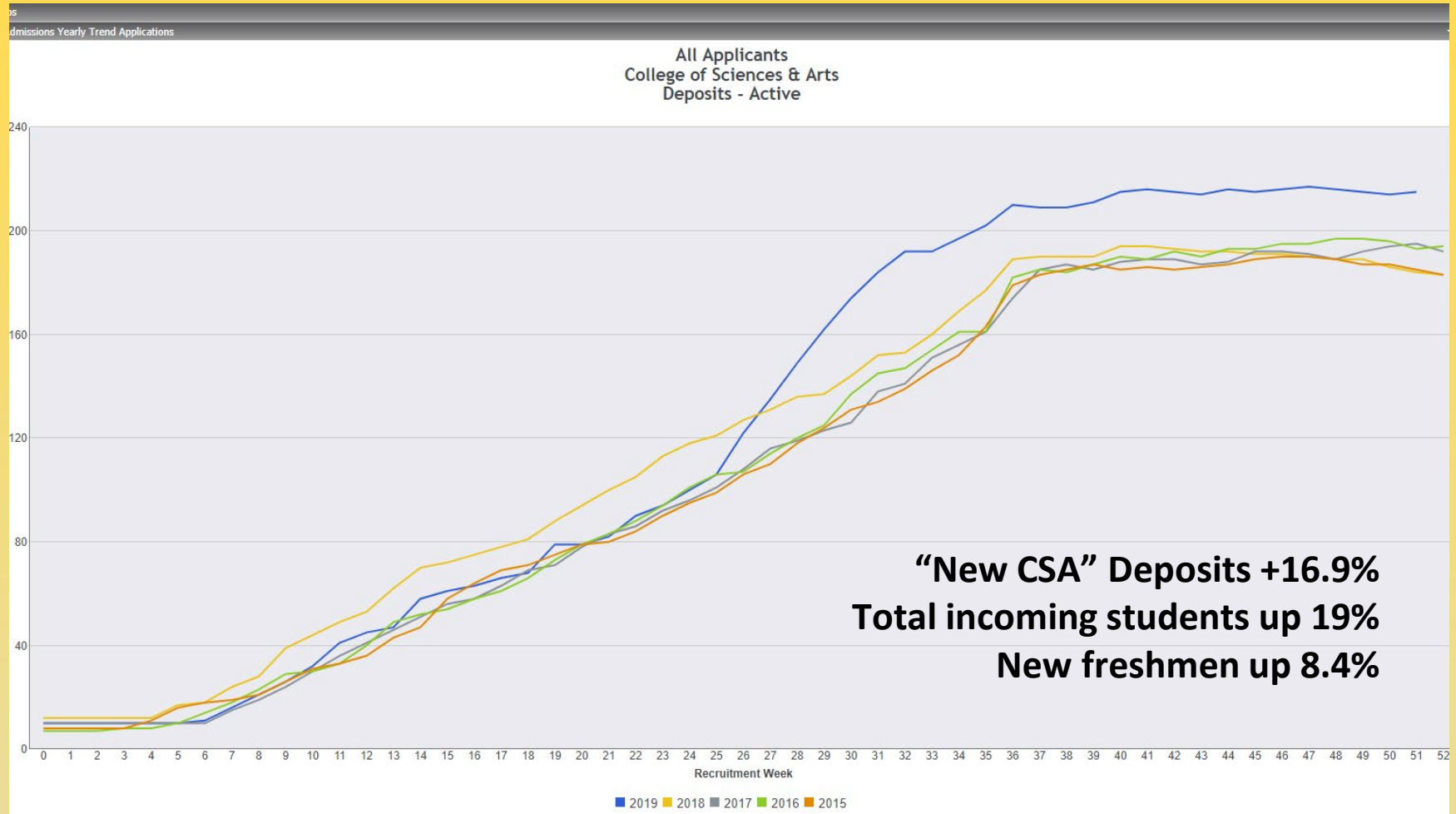
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
First-time Freshman	286	280	262	276	250	217	261	308	273	300
First-year standard retention	76.9	73.4	81.4	79	78.6	80	80.2	79.3	76	79.9

- [Retention and Success Task Force Report](#)

**MTU Deposits +68 (4.7%)**



# Recruitment & Retention cont.



**CSA First-year class and overall enrollment are both 52% women.**



# We Must Recruit Students

## CSA Applications for Fall 2020

	2020	2019	Change	% Change
Total Apps	349	185	164	88.65%
Complete Apps	151	63	88	139.68%
Incomplete Apps	198	122	76	62.30%
Under Review	50	10	40	400.00%
Rejects	2	1	1	100.00%
Admits	99	52	47	90.38%
Admits-Active	99	51	48	94.12%
Admits-Cancelled	0	1	-1	-100.00%
Deposits-Active	0	10	-10	-100.00%
Deposits-Cancelled	0	0	0	.00%
Admit to Deposit Yield	.0%	19.2%	-19.2%	-100.00%
Deposit Growth	0	0	0	.00%

## MTU Total

	2020	2019	Change	% Change
Total Apps	1646	1169	477	40.80%
Complete Apps	846	493	353	71.60%
Incomplete Apps	800	676	124	18.34%
Under Review	222	93	129	138.71%
Rejects	8	4	4	100.00%
Admits	616	396	220	55.56%
Admits-Active	614	392	222	56.63%
Admits-Cancelled	2	4	-2	-50.00%
Deposits-Active	9	50	-41	-82.00%
Deposits-Cancelled	0	0	0	.00%
Admit to Deposit Yield	1.4%	12.6%	-11.2%	-88.89%
Deposit Growth	0	0	0	.00%

## 2019-20 CSA Recruiting Goals

	2020 Goal	2019	2018	2017	2016
Complete Apps		989	905	831	916
Admits	930	860	779	712	792
Deposits	225	214	184	195	193
Yield	27	24.8	23.6	27.3	24.3

We must recruit these students!



# \$ Development \$

- Ben Larson full-time CSA Director of Advancement
- Dave H. - 80+ visits, 350+ contacts
- Comprehensive Database developed of top prospects- Intern Chris Luoma. 200+ “new” prospects
- Lots of help from chairs and faculty.



# CSA External Research Expenditures

College of Sciences and Arts  
Research Expenditures by FY  
FY15-FY19

Prepared by Tammy Labissoniere, SPA, 7/26/19

Department	FY 15 External	FY 16 External	FY 17 External	FY 18 External	FY 19 External (Preliminary)
22300-Chemistry	200,121.62	827,848.15	412,528.53	509,826.85	292,634.88
24100-Biological Sciences	1,031,499.88	1,370,541.75	1,804,948.51	1,432,771.59	1,297,085.90
24200-Humanities	5,122.11	6,919.59	(376.05)	-	-
24219-Visual and Performing Arts	-	-	-	-	-
24300-Mathematical Sciences	285,781.23	463,314.94	405,161.58	274,499.20	220,813.25
24400-Computer Science	681,397.08	856,921.56	818,349.70	592,927.37	475,413.69
24500-Kinesiology and Integrative Physiology	259,947.41	371,760.61	360,257.97	577,000.30	737,805.48
24600-Physics	1,863,758.77	1,244,176.36	1,100,802.29	1,269,120.83	1,388,535.53
24800-Social Sciences	1,206,368.10	984,488.09	777,812.98	825,300.12	576,077.18
26010-Cognitive and Learning Sciences	415,009.26	308,969.03	410,073.61	474,262.86	408,565.55
<b>TOTALS</b>	<b>5,948,955.46</b>	<b>6,434,940.08</b>	<b>6,089,559.12</b>	<b>5,955,709.12</b>	<b>5,396,931.46</b>



# CSA New External Awards

CSA Affiliated Awards Received  
Fiscal Years 2015-2019 (preliminary)

Principal Investigator	2015 #Awd\$	2015 Awd\$	2016 #Awd\$	2016 Awd\$	2017 #Awd\$	2017 Awd\$	2018 #Awd\$	2018 Awd\$	2019 #Awd\$	2019 Awd\$
Biological Sciences	11	912,223	11	1,249,644	16	1,561,339	8	1,409,073	16	641,451
Chemistry	6	635,080	5	836,354	8	735,298	5	938,748	3	792,040
Cognitive and Learning Sciences	7	436,053	9	612,452	7	760,450	5	612,972	10	1,290,044
Computer Science	8	923,251	10	1,958,130	3	394,176	4	320,128	6	371,804
Humanities	1	8,201	3	13,410	2	12,500	2	18,009	1	34,999
Kinesiology and Integrative Physiology	3	943,920	3	790,000	7	1,013,735	12	1,685,652	10	1,533,672
Mathematical Sciences	4	298,885	7	786,823	5	516,287	2	248,977	1	5,111
Physics	15	1,360,583	12	717,113	15	1,772,682	14	1,553,559	17	1,969,061
Social Sciences	18	2,689,571	12	471,314	14	948,674	10	218,304	16	456,531
Visual and Performing Arts	1	2,550	4	64,600	5	24,250	6	28,700	4	33,399
<b>TOTALS</b>	<b>74</b>	<b>8,210,317</b>	<b>76</b>	<b>7,499,840</b>	<b>82</b>	<b>7,739,391</b>	<b>68</b>	<b>7,034,122</b>	<b>84</b>	<b>7,128,122</b>





# Promotion and Tenure

- 20 cases run
- Joint (Dean and CSA PTR committee) list of suggestions for improving process
- CSA all electronic review, moving to all promotion cases campus wide this year and all reviews next year.



# Hiring

- Eight new tenure-track faculty in CSA
- Failed chair search in Chemistry
- “Failed” chair search in Humanities.



# Tentative Faculty Hiring 2019-20

- Chemistry Chair
- Humanities Chair
- Humanities regular faculty
- Math/Statistics
- Physics-Atmospheric modelling
- SFHI Health/Ethics hire (provost runs)



# CSA Budget for 2019-2020

Dept	Salary & Wages (Fringes Excluded)	S S&E	GTA'S (Fringes Included)	# of GTA's
BIO	\$1,953,697	\$50,767	\$335,602	9
CH*	\$1,881,481	\$68,178	\$764,427	20.5
CLS*	\$889,138	\$42,324	\$167,801	4.5
CS**	\$0	\$0	\$0	0
HU	\$2,467,997	\$48,394	\$783,071	21
KIP	\$974,812	\$25,793	\$205,090	5.5
MATH	\$3,284,411	\$45,310	\$885,616	23.75
PH	\$2,256,092	\$27,772	\$652,840	17.25
SS	\$1,810,668	\$21,111	\$503,402	13.5
VPA	\$1,113,782	\$50,197	\$0	0
ROZSA	\$250,090	\$36,127	\$0	0
Dean	\$660,870	\$84,137	\$0	0
ROTC	\$85,632	\$6,575	\$0	0
<b>TOTALS 2019-20</b>	<b>\$17,628,669</b>	<b>\$506,685</b>	<b>\$4,297,849</b>	<b>115</b>
<b>TOTALS 2018-19</b>	<b>\$19,478,171</b>	<b>\$854,767</b>	<b>\$4,560,319</b>	<b>126.5</b>
<b>TOTALS 2017-18</b>	<b>\$19,306,654</b>	<b>\$667,752</b>	<b>\$4,368,468</b>	<b>126.5</b>
<b>TOTALS 2016-17</b>	<b>\$18,923,867</b>	<b>\$475,587</b>	<b>\$4,193,419</b>	<b>127.5</b>
<b>TOTALS 2015-16</b>	<b>\$18,482,307</b>	<b>\$490,297</b>	<b>\$4,025,657</b>	<b>127.5</b>
<b>TOTALS 2014-15</b>	<b>\$17,641,673</b>	<b>\$601,504</b>	<b>\$3,844,744</b>	<b>129</b>
<b>TOTALS 2013-14</b>	<b>\$16,975,382</b>	<b>\$601,504</b>	<b>\$3,677,054</b>	<b>129</b>

\*2019-20 Added to BASE: SFHI Faculty Hire "Water" to BIO + Portage Health Foundation Faculty. Returned \$331,000 to Salary from SS&E/Start-up savings shirt in FY19(CH & CLS)

\*\*2019-20 Computer Science Dept moved to College of Computing. College Base Reduction of 2.5% - Salary (\$501,600) + fringes at 37.4% of \$187,598



# Strategic Planning and Vision

- CSA strategic plan last updated in 2010.
- Departments working on updating strategic plans in Fall 2019.



# Priorities for 2019-20

1. First year instruction.
2. Development- Increasing asks, designing communications material.
3. Enrollment and Recruitment
4. Strategic Planning
5. H-STEM Building planning
6. Tech Forward



Questions or comments?

