

College of Arts, Sciences, and Education College-Wide Meeting







Growing the College



Enhancing Student Experience



Elevating Faculty Impact

Growing the College Increasing Visibility, Efficiency, and Reputation

- Adding 1 PhD program and 5 undergraduate certificate programs (since last meeting)
 - PhD in Biological Sciences
 - Undergraduate Certificate in Environmental Science & Policy
 - Undergraduate Certificate in Healthcare Psychology
 - Undergraduate Certificate in Human Factor Psychology
 - Undergraduate Certificate in Industrial/Organizational Psychology
 - Undergraduate Certificate in Psychology of Diversity & Inclusion
- More programs under development (TC, Psych, Data Science)
- National Security Executive Leadership Program
- Renovation & Expansion: Schrenk East, Bioplex, Ozark Field Research Center Bunkhouse

Bunkhouse Expected Completion Date (February 2024)



Growing the College

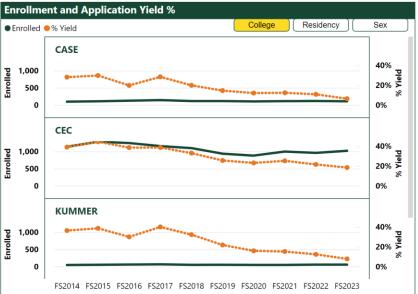
- Expansion of summer camps (8) and more online summer course offerings
- Numerous operational improvements
- Website enhancements (including our giving page & new videos)
- ~600 LinkedIn followers
- Adding new members to the Dean's Leadership Council
- Ranking of our online Psychology MS program
- Very weak ties with corporations, state, and national agencies
- Weak community outreach (except for the arts)
- Few study abroad programs
- Offering team-taught courses, more interdisciplinary research
- More students, more fundraising, more interdisciplinary and more international activities
- Reviewing COACHE Survey results



UNDERGRAD RECRUITMENT TRENDS

First Time College Transfer Undergradate





State	% Yield	Apps	Apps Var	Enrolled Va
Missouri	32.6%	11,218	226 夰	∳ -66
	1.4%	4,406	1,455 🎓	1 8
Illinois	14.0%	2,917	510 🏠	1 72
Texas	5.7%	1,270	130 🎓	↓ -5
Kansas	15.1%	714	101 🏠	1 6
Arkansas	12.0%	548	86 🎓	1 2
California	5.4%	484	-25 🖖	↓ -7
Tennessee	2.4%	378	69 🎓	↓ -2
Oklahoma	11.3%	355	54 🎓	1 1
Colorado	6.2%	243	34 🎓	↓ -3
Nebraska	5.9%	202	22 🏠	↓ -3
Indiana	3.0%	200	42 🎓	↓ -2
Florida	7.0%	186	20 🎓	1 2
lowa	16.2%	148	31 🎓	1 6
Georgia	4.3%	140	0 🔷	1 2
North Carolina	2.9%	136	28 🎓	↓ -1
Kentucky	4.9%	123	31 🏠	→ 0
New York	4.1%	122	11 🎓	↓ -3
Virginia	5.9%	119	14 🎓	1
Ohio	7.9%	114	24 🎓	1 4
Wisconsin	10.6%	113	29 🎓	↓ -4
Minnesota	2.7%	112	18 🎓	→ 0
Michigan	7.2%	111	14 🎓	1 2
South Carolina	4.9%	103	42 🎓	→ 0
Maryland	4.3%	93	21 🎓	1
Alabama	6.5%	92	-9 🕹	→ 0
Louisiana	3.3%	91	5 🏠	1 2
Pennsylvania	9.2%	87	9 🏠	1 2
New Jersey	3.8%	80	17 🏠	1
Arizona	5.3%	76	6 🎓	↓ -1
Washington	7.6%	66	11 🏠	1 2
Nevada	8.8%	57	11 🏠	→ 0

Top Academic Plans by Number of Apps						
Academic Plan	Term	% Yield	Apps	var		
AE ENG	FS2023	19.8%	792	1		
	FS2022	21.2%	613	1		
	FS2021	25.1%	541	1		
	FS2020	20.3%	538	1		
	Total	21.5%	2,478	325		
BIO SC	FS2023	5.4%	810	1		
	FS2022	7.4%	540	1		
	FS2021	8.1%	456	1		
	FS2020	7.9%	419	1		
	Total	6.9%	2,217	461		
CMP SC	FS2023	12.1%	1,557	1		
	FS2022	17.8%	1,108	1		
	FS2021	20.2%	786	1		
	FS2020	17.0%	736	1		
	Total	16.1%	4,173	876		
CP ENG	FS2023	12.7%	410	1		
	FS2022	16.0%	338	1		
	FS2021	24.8%	298	1		
	FS2020	18.9%	265	- ◆		
	Total	17.6%	1,307	130		
ENG	FS2023		18	•		
	FS2022	21.8%	536			
	FS2021	21.7%	636	1		
	FS2020	25.1%	586	<u> </u>		
	Total	22.7%	1,772	-521		
MC ENG	FS2023	23.4%	995	1		
	FS2022	25.5%	787	1		
	FS2021	28.7%	705	1		
	FS2020	25.2%	636	₩		
	Total	25.6%	3,112	309		
UN	FS2023	9.4%	498	1		
	FS2022	5.3%	319	4		
	FS2021	8.3%	412	*		
	FS2020	14.2%	591	1		
	Total	10.0%	1,820	90		

MISSOURI

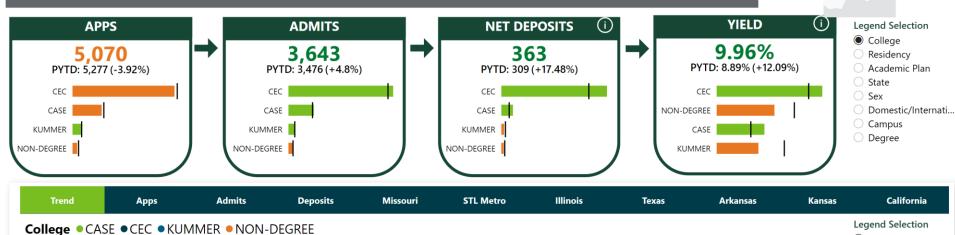
FTC PIPELINE

Comparision and Target Values are from the Same Day Prior Year

Countdow

Select or drag fields to populate this visual

December

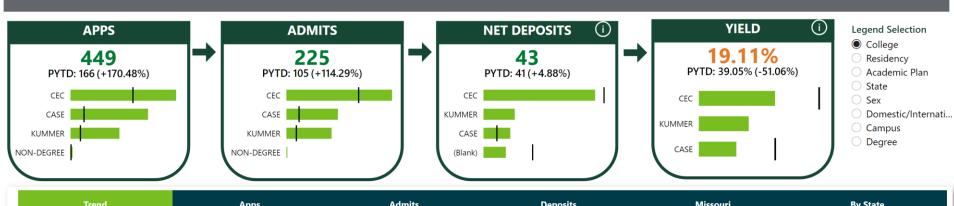


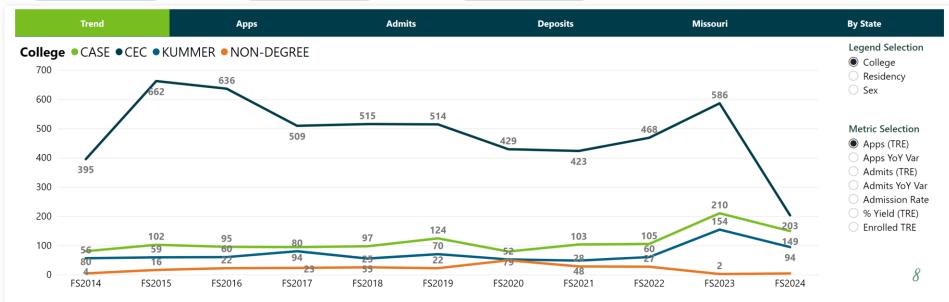




TRANSFER PIPELINE

Comparison and Target Values are from the Same Day Prior Year





GRAD PIPELINE

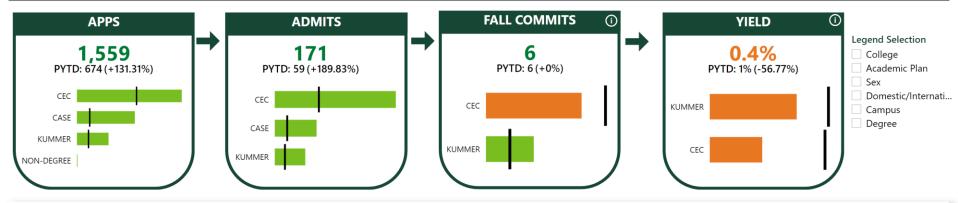
Comparison and Target Values are from the Same Day Prior Year

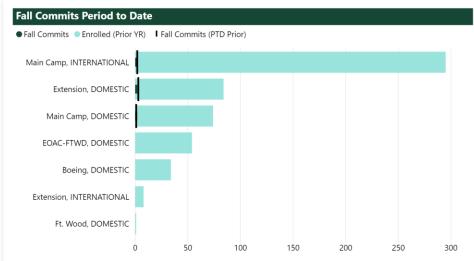
CONTRACTED RATES

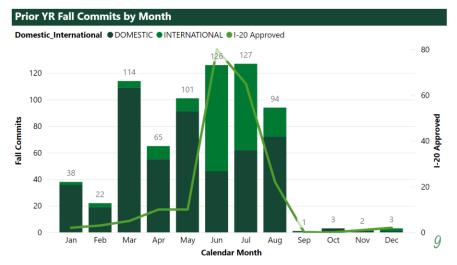
DISTANCE

OFF CAMPUS

ON CAMPUS







Enrollment Challenges

- Competition in recruiting is increasing while the pool of available students is shrinking
- UG enrollment has dropped from 687 in 2019 to 552 in 2023 (20% drop)
- Grad enrollment has dropped from 194 in 2019 to 180 in 2023 (7% drop)
- Lower than desired yield rate has led to low or decreasing trends in some of our departments

Enrollment Challenges continued

- What are we doing about enrollment?
 - Dual enrollment for high school students (Chemistry, Education, Physics, Psychology)
 - Enhanced recruitment efforts: Updated congratulations letters from dean and chairs to all admitted students (UG and Grad), visiting high schools, 1-page brochures emailed to all high schools, targeted scholardships, summer camps
 - Increasing number of non-thesis MS students
 - Focusing on better promotion of our online programs
 - Starting a 2+2 agreement with East Central College
 - Starting 3 new doctoral programs
 - Meeting with the Admission Office on acceptance criteria
 - Studying how we can set realistic enrollment goals for each department & CASE

Enhancing the Student Experience

- Forming CASE Student Advisory Council
- First ever 3-year course plan, clarifying course modalities, collecting course syllabi
- More scholarships (Shi/Ma Award for Excellence in Biomedical Research)
- improving DFW rates and encouraging students not to take Physics courses at Mizzou
- Reducing degree complexity (in all chemistry BS programs); reducing degree requirements to 120 credits
- Ability to provide small grants to study abroad students
- Grad Track Pathways in all 6 disciplines with a graduate program
- Exploring ways to support new PhD students (tuition, stipend)
- Offering \$200 more on top of the \$200 given to CASE faculty directing year-long OURE projects to buy equipment

74RE (First Year Research Experience)

- Kickoff meeting on November 15th, two months earlier than FY23
- Increase from 17 to 31 students, a growth of 82.4%
- Research Showcase scheduled for May 1, 2024

OURE (Opportunity for Undergraduate Research Experience)

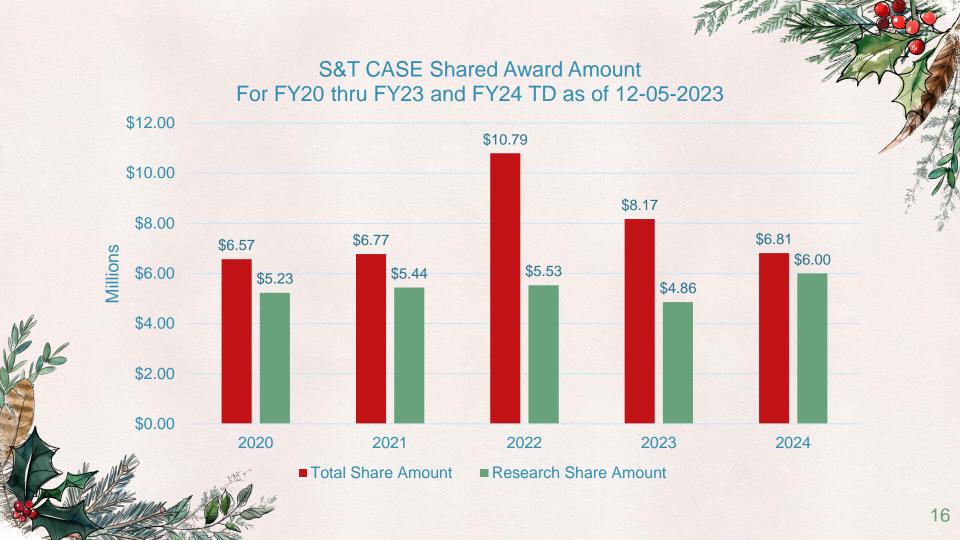
Offering \$200 more on top of the \$200 given to CASE faculty directing year-long OURE projects to buy equipment

Elevating Faculty Impact

- Currently we have 123 ranked faculty (43% female); had 136 in FY 2019
 - 25% assistant professor, 30% associate professor, 45% full professor
 - 10 of the 64 S&T faculty ranked by Stanford U. as the top 2% most cited scholars in their field are in CASE (16%)
- 10 new faculty joined us this academic year (5 TT, 5 NTT)
- 11 searches currently underway (5 of them endowed or named professorships)
- Trying to increase the \$ amount of start-up packages for new faculty to jumpstart their research
- New Endowed professorship in Polymer Chemistry (Stoffer); working on another
- Faculty websites on the new platform
- \$48 million worth of proposals were submitted in FY 23 (\$18 million more than FY 22)
- Breaking record of external research: \$6 million (23% increase over last year; 6 months left)
- 2 of the 4 patent applications submitted since May 2023 were succesful.
- Working toward hiring a financial person dedicated to helping with grants and contracts
- Urging faculty to apply for more internal and external grants

2023-24 Faculty Searches

- * Assistant Professor of Psychological Science
- ★ Assistant Professor of Technical Communication
- ★ Assistant Professor of Statistical Data Analysis and Applications
- ★ Assistant Teaching Professor of Education
- * Assistant Teaching Professor of English and Technical Communication (2 positions)
- * Maxwell C. Weiner Distinguished Professor of Humanities
- ★ Kummer Endowed Department Chair of Biological Sciences
- ★ Kummer Endowed Professor of Data Science
- ★ Vitek/FCR Endowed Chair Biochemistry Professor
- ★ Castleman Endowed Professor of Discovery (Chemistry)



Internal Seed Grants from OVCRI

- OVCRI Seed Grants for the Arts, Humanities, Social and Behavioral Research Funding
 - Shannon Fogg
 - Devin Burns / Akim Adekpedjou
 - Kathryn Northcut
 - Daniel Shank / Cassey Canfield / Jessica Cundiff
- OVCRI Research and Innovation Grants
 - Amy Belfi
- Kummer Ignition Initiative Grants
 - Beth Kania-Gosche
 - Andrea Scharf



Lori Francis – Arts, Languages, and Philosophy

Chen Hou - Biological Sciences

Jeffrey Winiarz - Chemistry

Julia Alexander - Education

Ryan Cheek - English and Technical Communication

Michael Meagher - History and Political Science

Elvan Akin - Mathematics and Statistics

Daniel Fischer – Physics

Amber Henslee – Psychological Science, Chair



Budget Snapshot

- 97% of our budget goes to salary and benefits
- CASE's operating budget (not salary and benefits) is \$622,710 per year
 - Had a 3% raise pool for faculty and staff (merit + equity) this year



- Benefits
- E&E
- Teaching and Research Salary



New Department Chairs

3 new department chairs have been named this year







Lt. Colonel DerekWilliamson
Air Force ROTC
Department Chair



Irina Ivliyeva
Arts, Languages, and
Philosophy
Interim Department
Chair

New Faculty

8 new faculty joined us in September

2 more colleagues will be joining us in January 2024

There are 11 searches in progress







Qingguo HongMathematics &
Statistics



Chris Ketcherside History & Political Science



CJ LungstrumMathematics &
Statistics



Wumaier
Maimaitiyiming
Mathematics &
Statistics



Michael Peterson Arts, Languages, and Philosophy



Katherine SharpEducation &
Biological
Sciences



Theo
Sumnicht
Biological
Sciences



15 staff members have joined us since April



Welcome to our newest staff members!

Shayla Yoakum, CASE Dean's Office

Donna Sanborn, Regional Professional Development Center Erika Jacobs, Child Development Center

Ava Didonato, Child Development Center

Jennifer Brakensiek, Regional Professional Development Center

Brandy Griffin, Child Development Center

Marsha Smith, Kummer Center for STEM Education

Cassie Liscombe, CASE Dean's Office

James Pritchett, Regional Professional Development Center

Valenda Curtis, Kummer Center for STEM Education

Susan Jadwin, Regional Professional Development Center

Natalie Vos, Child Development Center



Promotions and Tenure

10 faculty were promoted effectiveSeptember 1, 20235 staff were promoted internally this year





Amy Belfi
Psychological Science
Promoted to Associate
Professor with tenure



Lorie Francis
Arts, Languages, and
Philosophy
Promoted to Teaching
Professor



Darin Finke
Arts, Languages, and
Philosophy
Promoted to Teaching
Professor



Manashi Nath
Chemistry
Promoted to Professor



Gayla Olbricht
Mathematics & Statistics
Promoted to Professor



Elizabeth Roberson
English and Technical
Communication
Promoted to Associate
Teaching Professor



Dan Reardon
English and Technical
Communication
Promoted to Professor



Paul Runnion
Mathematics & Statistics
Promoted to Teaching
Professor



Michelle Schwartze
Education
Promoted to Associate
Teaching Professor





Kathleen Sheppard
History & Political Science
Promoted to Professor



- Braxton Dautenhahn was promoted to Lead Teacher at the Child Development Center
- Megan Fowler was promoted to Business Operations Associate II in the CASE Dean's Office
- Courtney Jones was promoted to Senior Director for the Kummer Center for STEM Education
- Lynsey Knapp was promoted to Lead Teacher at the Child Development Center
- Michelle Pipes was promoted to Assistant Director of Summer Camps for the Kummer Center for STEM Education



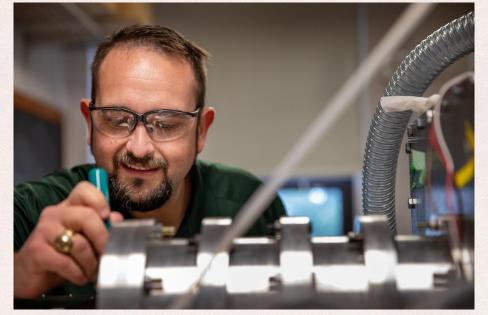
Campus Faculty Awards

CASE faculty dominated the campus awards this year with 14 faculty winning across the categories!





Amy Belfi



Smitty Grubbs

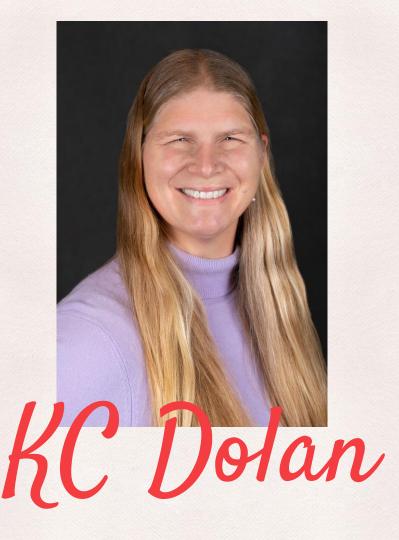


Melanie Mormile



Dave Westenberg









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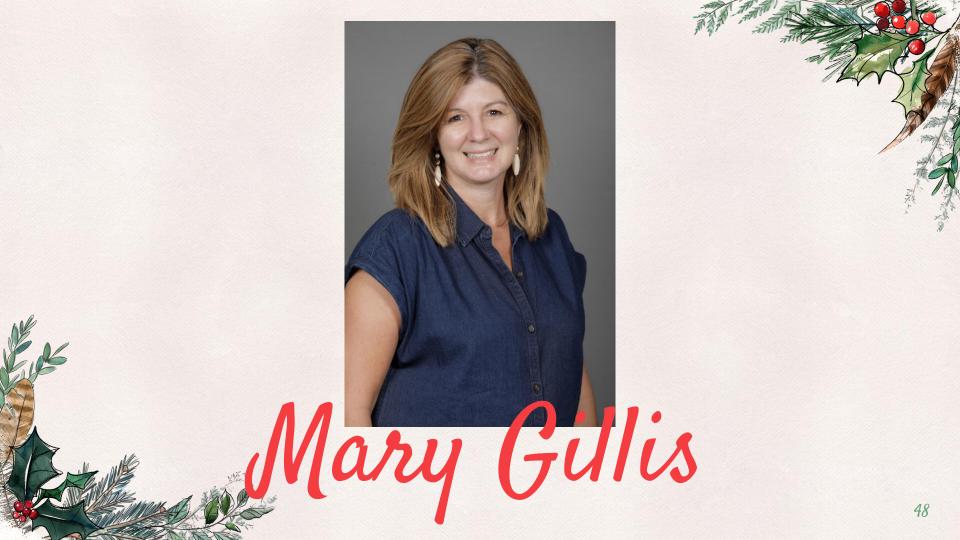


























Acknowledging Excellence

Irina Ivliyeva

- Interim DepartmentChair for ALP
- Curators' Distinguished
 Teaching Professor
- 2023 Dean's Medal Recipient





Beth Kania-Gosche

- Model faculty member and department chair
- Relentlessly going after opportunities
- Superb university citizen and excellent collaborator



New Books

Since our last meeting in April of this year, three new books have been published by CASE faculty.

LARRY D. GRAGG

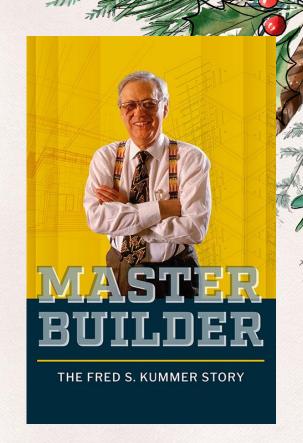


THE US ARMY AND THE DOWNFALL OF JAPAN, 1945

TO THE END

EARTH







- * Overall Goals:
 - Increase representation, retention, and advancement of diverse groups of women faculty by making S&T a destination of choice where all faculty can thrive:
 - Improve local climates
 - Mitigate bias in hiring and evaluations
 - Foster equitable resource distribution and access to opportunities

Major Activities:



Department
Climate Survey
Fall 2022



EQUITY
PROFILE
Spring 2023

Prepared for:
Department of Psychological Science
SAT ADVINCE

Used survey results to create Dept Equity Profiles

Provided Dept Equity
Profiles to chairs in March
2023

Departmental Enhancement Grant Program

Call for Proposals

Funded by the National Science Foundation, S&T.ADVANCE aims to increase the representation underrepresented racial-ethnic groups, across STEM faculty ranks and leadership positions at underlying barriers to women's recruitment and advancement by promoting the following initial and evaluations; and (3) foster equitable resource distribution and access to opportunities. Currently Under Review

Chairs were encouraged to discuss the Profile with their dept and use it to develop Department Enhancement Grant proposal

Major Activities (continued):

- * Established ADVANCE Advocate in every department
- * Hosted several workshops and speakers on bias, equity, and inclusion
- * Appointed Faculty Ombuds: Dr. Sahra Sedigh Sarvestani
- * Evolving training and resources for search committees
- * Faculty Fellows projects underway:
 - * Dr. Clair Kueny: Interrupting bias in annual faculty reviews and evaluations
 - * Dr. William Schonberg: Broadening paths to career advancement
 - ★ Dr. Kelley Wilkerson & Dr. Catherine Johnson: Faculty recruitment strategies
- Working with COACHE & Faculty Senate Climate Survey teams to affect change





- Upcoming Opportunities:
 - Apply to be an S&T ADVANCE Faculty Fellow
 - Proposals due Feb 1st
 - Become an S&T ADVANCE Affiliate
 - Stay updated on upcoming S&T ADVANCE events
 - Email advance@mst.edu to join

Learn more by visiting https://advance.mst.edu/

Events to Promote Research

- December 8th, 2023
 - Grants and Scholarships Workshop for Humanities and Social Science
- January 26th, 2024
 - Signature Research Area: Quantum Science and Technology (led by physics department)
- March 2024
 - Signature Research Area: Living System and Repairs (co-led by biological science and psychological science)
- Many more to come...

Thank You!

Have a relaxing Winter Break!

