

October Edition

October 2nd, 2020
Volume 2, Issue 2

COVID-19

[HUB AT HOPKINS](#)
[JHU COVID RESOURCE CENTER](#)
[MARYLAND DEPT OF HEALTH](#)
[CENTERS FOR DISEASE CONTROL](#)

The Johns Hopkins campus remains under Phase 1 restrictions. Help keep the Hopkins and Physiology community safe by respecting safety regulations and getting the flu shot!

Announcements

FLU SHOTS

Flu vaccinations are mandatory for all members of the Hopkins community, except those with qualified medical or religious exceptions. You can visit your local Walgreens using this [voucher](#) or schedule your shot on campus [here](#). Be sure to fill out this [form](#) before heading to your appointment at Walgreens or on campus. For those with a qualified exception, submit your request using this [form](#) by Nov. 10th. For more information, click [here](#).

HELP WANTED FOR DEPT WEBSITE

The Physiology Department relies on the webpage to disseminate information to members of our department and the wider world. As the academic year ramps up, many updates are made to the site! If you have any skills in HTML, CSS, or any other web language, email Marsha Miller and help the department site stay up to date!

Upcoming Events

DIVERSITY JOURNAL CLUB Oct 16 @ noon

The usual Friday Journal Club is exploring a new space. These sessions aim to explore the importance of and barriers to diversity, inclusion, and equity in science. [The first meeting will cover the lower NIH-funding rates for underrepresented minorities.](#)

We also strongly recommended reading [this seminal article](#) as well.

GAME NIGHTS Oct 9 @ 5pm Oct 23 @ 5pm

Join us on Zoom for a virtual game night on [Oct 9th](#) and [Oct 23rd](#)!

GAME NIGHT SURVEY

The Physiology Department is unable to host their popular Happy Hour series in person but we'd still like to get together virtually for a night of games and trivia! [Let us know](#) what times work best for you and what activities you'd like to see!

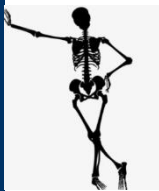
Newest Members!

We didn't get photos of all of our newest members but we wish them all a warm welcome! If you happen to meet any of our newest members in the hall, take a moment to say hi!



Alex Maya-Romero
Post-bac (Claypool lab)

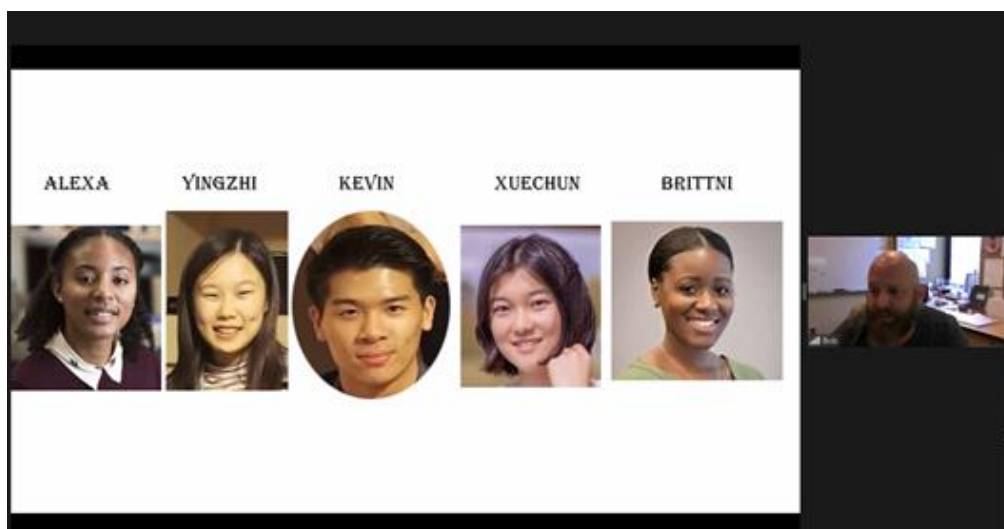
Physiology Newsletter



This month's edition is filled with a lot of exciting news so we'll keep this message brief. Enjoy the beautiful autumn foliage and have a Happy (Healthy!) Halloween!

Sarah & Kelli

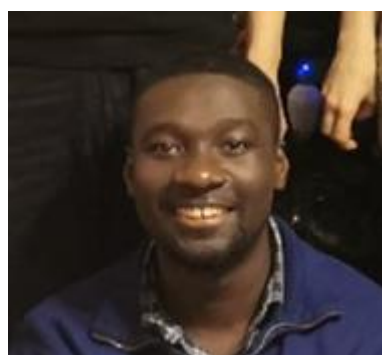
Physiology Fun Day-Retreat



Thank you to the organizers of this year's Physiology Fun Day-Retreat! Despite the difficulties of holding a social event in the midst of social-distancing, it was a great time had by all!

Maria Vitery Community Engagement Award

Congratulations to Anna Moyer of the Reeves' lab and James Osei-Owusu of the Qiu lab on being awarded the Maria Vitery Community Engagement Award!



James Osei-Owusu

Working in the Qiu lab, James knew and greatly respected Maria for her skills as a scientist and her service to the community. And so, it is wonderful to honor James for his own contributions.

For many years, James has been highly involved in organizing journal clubs, lectures, and social events in the department. He has stepped up many times to fulfill these responsibilities when others could not.

Thank you for your contributions!

It's a great honor to be chosen for the Maria del Carmen Vitery Graduate Student Award along with James. I had the opportunity to get to know Maria when she did a rotation in the Reeves lab, and like everyone else who knew her, I can say confidently that her passing was a great loss not only to our department but also to the greater Hopkins community. In my opinion, an important way to honor her legacy is to keep an eye out for our fellow classmates. We may not always know what's going on in one another's lives or what another person is struggling with, especially now as we don't see one another face-to-face as often.



Anna Moyer

I became interested in disability advocacy at Hopkins based on my experience as a graduate student with a chronic illness. As I reached out to other students with disabilities, chronic illnesses, and mental health conditions, I heard many stories about how the culture and climate in academia can place additional burdens on students with these conditions, from glorifying overwork to penalizing taking time off for appointments to outright discrimination based on disability status. For me, going to doctor's appointments and arguing with my student health insurance can feel like a full-time job, but I count myself lucky compared to classmates who have been dismissed from thesis labs or graduate programs after disclosing their mental health conditions.

Along with another student in the human genetics program, I launched a new lecture series featuring scientists and clinicians with disabilities, chronic illnesses, and mental health conditions. We hope that the seminar speakers will serve as positive role models for students and other trainees with disabilities, and that the series will begin to normalize discussing these conditions at Hopkins. This year, we're also hosting virtual social events to create a sense of community among students with shared experiences. You can find out more about our efforts on the [Equal Access in Science and Medicine website](#) or follow us on [Twitter](#).

Physiology Fun Day/Retreat Trivia

For those of you itching to know the answers to the Fun Day-Retreat trivia session, we've got you covered!

Round 1: CMP General Knowledge

The Department of Physiology at the Johns Hopkins School of Medicine began with H. Newell Martin in 1893, who was Professor of Biology. Martin was a former student of an infamous 19th century biologist. Who was he? *Hint: English biologist commonly referred to as "Darwin's Bulldog"*

Answer: Thomas Huxley

Can you name 7 of 11 primary CMP faculty?

Answer: Claypool, Lutsenko, Pluznick, Fu, Qui, Kralli, Rao, Reeves, Guggino, Wong, and Wolf

Who were the winners of last year's (2019) fun day Olympic games?

Answer: 1st years (Yingzhi, Alani, and Brittni)!!

The Physiology department was the first department established at Hopkins. What year was it founded? *Hint: the sum of the year is 21*

Answer: 1893

Research Questions: some faculty study proteins with unique acronyms. Can you define them? Wong lab, CTRPs

Answer: C1q/Tnf related proteins

Qui lab, Swell1/VRAC channels

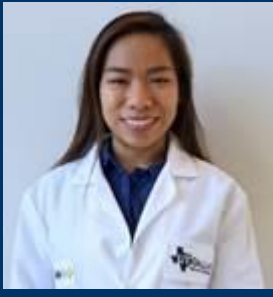
Answer: volume regulated anion channels

Kralli lab, Perm1

Answer: PGC1 and ERR-induced regulator in muscle protein 1

Round 2: The People of CMP

Dr. Wong went to college at the same time as which famous football player? *Hint: Quarterback who has the same last name as a Bucks basketball player*



Jenifer Calvo
Post-doc (Lutsenko lab)

Vartika Tomar
Post-doc (Guggino lab)

Zheng Guo
Post-doc (Fu lab)

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Answer: Drew Bledsoe

Can you name a housekeeping staff from the last year?

Hint: the more names, the more points

Answers (any of these): Reggie, Kenny (Kenneth), Shaquile, Vivian, Manny, Torin, Brandon, Aaron, Harold

Which 5th year student wrote articles for a Johns Hopkins newsletter?

Hint: student in Roger Reeves lab

Answer: Anna Moyer

Which Lutsenko lab member dyes things using natural ingredients?

Answer: Courtney McCann

Dr. Rao recently adopted a new dog. His name was announced in most recent newsletter. Do you remember his name? (Either the abbreviated or unabbreviated names will do)

Answer: Samwise "Sam" the Brave

Round 3: How well do you know Charm City?

What is the state bird of Maryland:

Answer: Baltimore Oriole

Aside from Washington DC, where else can a Washington Monument be found (neighborhood)?:

Answer: Mount Vernon, Baltimore

The HQ of which fitness brand is located in Baltimore?

Answer: Under Armour

Which Olympic athlete (swimming) was born in Baltimore?

Answer: Michael Phelps

You may know that Nobel Laureate Gregg Semenza is a professor here at JHU, but where was he born?

Answer: NYC

Recognition & Honors

Dr. Steve Claypool was promoted to Total/Absolute/Complete Professor! Congratulations Boss!

Dr. Aline Gottlieb (Lutsenko lab) became co-president of the Johns Hopkins Post-Doc Association! Congratulations Aline!

Publications

Our current and former colleagues have continued to keep busy! Here's what they have been up to:

The Claypool Lab continues to rock as current post-doc **Nanami Senoo** and several former lab members published an article about [Cardiolipin, conformation, and respiratory complex-dependent oligomerization of the major mitochondrial ADP/ATP carrier in yeast](#) in the August issue of *Science Advances*.

The Welling lab had a productive summer! The article [Distal Convolutd Tubule Sexual Dimorphism Revealed by Advanced 3D-Imaging](#) will advance understanding of the sex differences in the results to diuretics. The ongoing pandemic comes up in [Acute Kidney Injury in COVID-19: Emerging Evidence of a Distinct Pathophysiology](#). In addition, current and former members of the department contributed to work on how [GDNF drives rapid tubule morphogenesis in a novel 3D in vitro model for ADPKD](#).