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**To:** [biochem\\_universe@lists.colorado.edu](mailto:biochem_universe@lists.colorado.edu)  
**Subject:** Biochemistry Department Newsletter for October  
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University of Colorado Boulder Department of Biochemistry

# Biochemistry Graduate Newsletter

FRIDAY October 7, 2022



Join our [Slack Workspace](#) for more frequent updates.



Got suggestions? Drop them into the [FLC suggestion box](#).



Consult our [Google Calendar](#) to see what's happening.

This newsletter is unofficial and run by graduate students. We hope it comes in handy!

Since we're only able to include the publications, achievements, and new departmental colleagues we know about, these lists may be incomplete. Please [send us a tip](#) if you have an event, opportunity, or piece of news you'd like to see featured in our next newsletter.

We are looking for new additions to the newsletter team. If you have any interest in science communication or want experience writing HTML, reach out to Rosie Garris ([rosanna.garris@colorado.edu](mailto:rosanna.garris@colorado.edu))

## News & Announcements

### 7th annual CU Up Close Image Competition

The 7th annual CU Up Close Image Competition is now accepting submissions! This contest celebrates the beauty of the microscopic world as revealed through BioFrontiers-associated microscopes. Submissions are accepted through Oct 18 with voting occurring from Oct 26 – Nov 4. Full entry rules and image submission are available [here](#). See past winners on the 3rd floor landing and in the light microscopy facility.

*Feel free to use the newsletter as a virtual version of the JSCBB bulletin boards. If you have any information you'd like to share with the department, please [let us know](#).*

## Upcoming Events

### Biochemistry Seminar Series

Biochemistry Seminars are held on Wednesdays from 3:30pm-4:30pm in A115 (Butcher Auditorium) unless otherwise specified. Coffee and Cookies are available outside of the auditorium at 3:15. Information regarding Biochem seminars can be found on the department [events page!](#)

**October 12:**[Dr. Anthony Fitzpatrick](#)

**Synopsis:** Works with Cryo-EM to understand the structural basis of neurodegeneration and memory (amyloid fibres) as well as understanding protein aggregation. The Fitzpatrick lab has worked extensively on Alzheimers and more recently with the homotypic fibrillization of TMEM106B using light microscopy and Cryo-EM.

**October 19:**[Dr. Kimberley Seed](#)

**Synopsis:** The Seed lab works with V. cholerae and ICP1 (phages found with V. cholerae in cholera patients in Bangladesh) to understand bacterial immunity and phage invasion strategies. The focus of the lab is to understand the mechanisms of phage interference by V. cholerae PLE (phage inducible chromosomal island-like element) to mediate the CRISPR-Cas system found in some ICP1 cells.

**October 26:**[Dr. Gustavo Silva](#)

**Synopsis:** The main goal of the Silva lab is to understand ubiquitin pathways in response to the oxidative stress response pathway with the goal being to develop ubiquitin centered therapies to counter cancer cells. The lab uses molecular biology tools, protein biochemistry, proteomics, structural biology, and next generation sequencing to investigate ubiquitination in yeast cells.

**November 2:**[Dr. Polly Fordyce](#)

**Synopsis:** The Fordyce lab works to understand protein-DNA binding interactions to understand and engineer pathways related to metabolism and protein signaling. The lab focuses on obtaining the thermodynamic and kinetic constants of these molecular interactions using microfluidics and extensive hardware (MITOMI and HT-MEK, MRBLEs, Dropception)

### Research Discussions

[Biophysics Supergroup:](#) 4-5:15 pm, JSCBB A115

**October 24:** Palmer and Aaron Whiteley Labs

**Signaling & Cellular Regulation:** 4-5:30 pm, JSCBB B115

**October 17:** Andrea Ordonez (Chuoung Lab), second speaker TBD

### **Electron Microscopy Users Supergroup**

The EM Users meeting is open to all who are interested. Presentation topics include methods and current EM research going on in the CU Boulder EM community.

Usually takes place the last Wednesday of the month at noon.

Email Alli Schier ([Allison.Schier@colorado.edu](mailto:Allison.Schier@colorado.edu)) to be added to the email list.

## **Publications and Achievements**

### **Science Buffs**

From space missions to minuscule microbes, Science Buffs is a graduate student-run STEM blog covering research at the University of Colorado Boulder and beyond. We are committed to making science more accessible to the general public and helping students and postdocs grow as writers. Learn more about us and getting involved at <https://sciencebuffs.org/>.

## **Updates from the Diversity, Equity and Inclusion Council**

**Announcing new DEI positions for the 2022-2023 academic year!**

**Chair:** Miranda Juarros

**Associate Chair:** Liyi Cheng

**Peer Mentorship Coordinator:** James Pratt

**Outreach/SCOPE Coordinator:** Chelsea Toner

**Representative:** Tom Wieser

**Representative:** Meg Palacio

**Representative:** Ali Schier

## **Updates from the Faculty Liason Council**

The next FLC meeting will be **Friday, October 21 at noon!** Location TBD. All FLC meetings are open for anyone to attend!

## What big ears you have!!

FLC is planning a Halloween Social, so keep an ear out- or check your email, as the case may be- for more information to follow! Tentative details: Oct. 28th- Costumes Encouraged!

Thoughts and suggestions for the department? The department's anonymous suggestion box can be found [here](#).

## Updates from P2P

As mentioned at Retreat, P2P has created an online Alumni Network to facilitate networking between current CU Boulder Biochemistry graduate students, postdocs, and PRAs and CU Boulder Biochemistry alumni. We already have over 80 members and alumni ranging from 1993 to 2022 that are currently in Scientific Communication, Medicine, Academia, Industry, Scientific Publishing, Law, and Government Policy. Please join our Alumni Network on LinkedIn by searching 'CU Boulder Biochemistry P2P Alumni Network'. A member of the P2P Committee will add you soon. Keep your eyes out for an email for an online Alumni Networking event.

## Post-Doc Association Events and Announcements

### PAC Boulder Social

[October 13th from 5:30-7:30 pm](#)

The Rayback Collective

Join your fellow postdocs for food and fun at our monthly social at the Rayback Collective. The family-friendly event will be sponsored by the Postdoctoral Association of Colorado Boulder (PAC Boulder).

### Means of Communication:

Twitter: [@PACBoulder](#)

Email: [pac\\_universe@colorado.edu](mailto:pac_universe@colorado.edu)

This month we have [FRIPS](#) (Front Range Industry & Postdoc Summit) on Oct. 24th.

## Outreach and Teaching Opportunities

### Updates from the Center for Teaching and Learning



*one of our departmental colleagues at random to feature.*



This month we're featuring Linnea Jansson-Fritzberg!

My name is Linnea Jansson-Fritzberg and I am a postdoc in the Cech lab. I am studying how the DNA methyltransferase DNMT1 is regulated by RNA. I received my Ph.D. in Cell, Molecular and Developmental Biology at UC Santa Cruz in 2018 where I used biochemical and biophysical techniques to study the enzyme telomerase in Michael Stone's lab. I am intrigued by all things RNA and hope to continue doing research on RNA after my postdoc. I grew up in Sweden in a small town north of Stockholm. In my free time I enjoy hanging out with my husband and two little boys (and dog!) and like to be out hiking/running/camping or inside watching good shows and experimenting with new recipes.

## Resources and Involvement Opportunities

### **Consolidated list of resources from the Office of Financial Aid**

This comprehensive [list of crisis resources](#) provides free tools for dealing with wellness, health, financial hardship, and other challenges.

### **Incident Reporting Resources**

Follow this [link for resources and support](#) in reporting concerns or incidents that you are aware of.

## Center for Teaching and Learning (formally GTP)

To learn about CTL, visit their [website](#) or contact the department CTL lead [Chelsea Toner](#).

## Counseling & Psychiatric Services (CAPS)

[CAPS](#) offers confidential, on-campus mental health and psychiatric services for a variety of concerns such as academics, anxiety, body image, depression, relationships, substance use and more. CAPS is available for in person and telehealth (virtual) appointments from 9 a.m. to 5 p.m. Monday through Friday. All services will be held virtually through telehealth.

Services offered include counseling, psychiatry, workshops, process therapy groups, skill-based therapy groups, informal consultations, suicide prevention, eating concerns, ADHD treatment, addressing substance use, canine-assisted therapy, and virtual reality therapy.

## oSTEM (Out in Science, Technology, Engineering, and Math)

To learn more about oSTEM, visit their [website](#) or attend their [weekly meetings](#) on Mondays at 6:00 pm.

## Buff Pantry

CU Boulder students can pick up food from Buff Pantry on a weekly basis. Visit their [website](#) for details.



### United Campus Workers

To join or get more involved in UCW, visit their [website](#).



### CU Café

To learn more or get involved in CU Café, visit their [website](#).



### Women in Science and Engineering (WiSE)

To join or get more involved with WiSE, visit their [website](#) or contact [Katelyn Long](#).