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To: biochem_universe@lists.colorado.edu
Subject: Department of Biochemistry Newsletter for December
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University of Colorado Boulder Department of Biochemistry

Biochemistry Graduate Newsletter

FRIDAY December 2, 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)

News & Announcements

Biochemistry's Winter Celebration!

The Biochemistry Department is inviting you to a Winter Celebration! The Winter Celebration will take place on December 6, 2022, from 3-5PM in the JSCBB Bakery Café. We hope you all come out for some great food, fun, and a gift basket raffle. Let's get together before the semester ends!

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

Research Discussions

[Biophysics Supergroup](#)

December 5, 4-5:15 pm, JSCBB A115

Mando Ramirez (Shirts Lab): "Coiled-coil motifs: Can they drive the liquid-liquid phase separation of proteins?", and

Conner Olson (Wuttke Lab): "RPA engages telomeric G-quadruplexes more efficiently than CST"

Followed by Pizza and Refreshments

[Signaling & Cellular Regulation](#)

There are no more SCR Supergroups this semester; see you all in the new year!

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) to be added to the email list.

Biochemistry Seminars

Dr. Markita Landry, [Lab Website](#)

- December 7, 2022 | 3:30pm-4:45pm | In-person/A115 Butcher Auditorium
- Synopsis: The Landry lab works to develop tools for single-molecule applications to study and genetically manipulate molecular processes in whole organisms; the lab has applications in imaging neuromodulation in the brain, and delivery of genetic materials into plants without transgenic DNA.
- Host: Biophysics

Dr. Vicki Wysocki, [Lab Website](#)

- December 14, 2022 | 3:30pm-4:45pm | In-person/A115 Butcher Auditorium
- Synopsis: The Wysocki lab has 3 main focuses in infectious disease research: Instrumentation, Complexes, and Omics. Instrumentation involves method development and design/modification of native MS structures, complexes focus on application of native MS for structural characterization, and omics focus on traditional MS-based proteomics and metabolomics studies for detection and treatment of diseases. The research is characterized by 4 broad areas: Surface-Induced Dissociation Development and Implementation, Native MS of Protein and Nucleoprotein Complexes, Proteomics and Metabolomics, and Fragment Ion Structures by IRMPD.

Foundations of Chemistry Poster Session

- December 8, 4-6 PM in the JSCBB Lobby
- The students presenting are first-year undergraduates majoring in biochemistry and chemistry who have been working all semester on research projects investigating a topic of interest (Effects of Morphine, Allergies and Nasal Decongestants, Skin Moisture and Hyaluronic acid, Evolution of Artificial Organs, Soda Lime Glass Versus Borosilicate Glassware, Sulfur Mustard DNA Alkylation, etc.). They'll very much appreciate and be encouraged by faculty, students, and postdocs who can attend and ask them questions! Refreshments will be served. So, please drop by between 4-6 pm, grab some food, and chat for a few minutes with some really enthusiastic freshmen!

Updates from the Faculty Liaison Council

Monthly FLC meeting will be on Friday, Dec 9 at noon (room TBD).

As always, the department anonymous suggestion box can be found [here](#).

Updates from P2P

Mentors and mentees, congrats on finishing the fall semester! Watch out for an email with a survey to help us improve P2P for next semester.

Post-Doc Association Events and Announcements

PAC Boulder Coffee Hour

December 5th from 10:00-11:00 am

Norlin Library, Main Campus

Come along and meet other postdocs over coffee, tea, and cookies at a coffee hour hosted by the Postdoctoral Association of Colorado Boulder (PAC Boulder).

This week's coffee hour will be on CU Main Campus.

Click "I'm interested" in this [calendar link](#) to have updates emailed to you.

PAC Holiday Party

December 4th, 4:00 pm

See *flyer*:

POSTDOCTORAL
ASSOCIATION
OF COLORADO
By process, for justice

HOLIDAY PARTY

Frolic Brewing Company
(12910 Zuni St #1300,
Westminster, CO 80234)



DECEMBER 8TH AT 4 PM

SPONSORED BY

ThermoFisher
SCIENTIFIC

CU
ANSCHUTZ/DENVER
POSTDOC
ASSOCIATION

Means of Communication:

Twitter: [@PACBoulder](https://twitter.com/PACBoulder)

Email: pac_universe@colorado.edu

Outreach and Teaching Opportunities

Updates from the Center for Teaching and Learning

If you are TAing a class in the fall, would like to earn a teaching certificate, or are simply interested in improving your teaching skills, the Center for Teaching and Learning (CTL) is here to help! Please don't hesitate to reach out to the departmental CTL Lead, Briana Aboulache (Briana.Aboulache@colorado.edu) for resources and information to help you achieve your teaching goals.

If you are interested in receiving teaching announcements throughout the year, please fill out this [form](#) to receive periodic teaching-related emails. You can check out the CTL certificates [here](#), track your certificate [progress](#), and find all upcoming CTL workshops/events [here](#).

Updates from SCOPE

S.C.O.P.E. volunteers and 7th grade students at Centennial Middle School had a fabulous time meeting a scientist and being a scientist during the fall outreach event this past month. We learned that yeast grows best with sugar and warm water (so keep that in mind baker friends). If you participated and have not done so already, please fill out our anonymous survey [located here](#).

If you are interested in volunteering for the Spring semester and/or assisting the board members with curriculum development, visit our [website sign-up form](#) to indicate your interests. If you have any other comments or questions do not hesitate to contact us at scope@colorado.edu.

As always, check out our [website](#) to learn more and sign up to stay in the loop about all things S.C.O.P.E.! Also, take a look at our 'how to think like a scientist' cards in case you need help with your research projects.

Spring event info: May 1st, 8th, 15th and 22nd at Timberline PK-8 (30 min drive from CU - carpooling will be set up)





If you have an outreach opportunity you're excited about, please [let us know](#) so we can share it in the next newsletter.

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](#).