Welcome

The Physics Observer is a periodic bulletin of happenings in and around UW Physics. Our goal is to share information of notable happenings, events, and news associated with the department. Please feel free to pass this newsletter to anyone who may be interested. Readers wishing to subscribe, or unsubscribe, may do so here. Previous newsletters may be found on the physics website at The Physics Observer Newsletter. Information for future editions may be sent to the editor, physrecp@uw.edu.

Chair's Corner (L. Yaffe)

This quarter seems to be busier than ever. We’ve got our upcoming Frontiers of Physics public lecture by Kip Thorne on May 17, for which in-person attendance in the largest lecture hall on campus has sold out. Our Climate and Diversity committee has organized a Supporting Women+ in Physics workshop on May 5&6. We will be holding a department town hall on May 19, and a special graduate student organized meeting to discuss cost of living concerns on May 10. Plus a department bbq on the last day of classes this quarter, June 2.

I’d like to note a couple of recent news items. First, a truly beautiful example of physics in action: one of the luckiest examples of capturing lightning in action in the NY Times. And a nice story in the UW Magazine, featuring a Physics student, about the UW Instructional Center.

Milestones & Arrivals

★ Welcome Menglu Zhang, our new Program Operations Specialist, who joined the department last month.
★ Welcome Florie Mesple, newly arrived Postdoctoral scholar, who joined the department last month.
★ Welcome Charles Marcus, newly arrived Professor of Physics and of Materials Science & Engineering, who also joined the UW last month.
★ Congratulations to Professor Marjorie Olmstead who has been appointed as Associate Vice Provost for Academic Personnel.

Awards & Grants

★ Congratulations to Associate Professor Mark Rudner, who is a recipient of a 2023 Brown Science Investigator award.
★ Associate Professor Kai-Mei Fu received $900K from the US Department of Energy for “Donor-Ion Entanglement.”
★ Associate Professor Shih-Chen Hsu received $27.5K from University of California, Santa Cruz for “Traineeships for Computational High Energy Physics.”
★ Assistant Professor Arthur Barnard received $300K from the National Science
Affiliate Professor Margaret Cheung received $67K from the Pacific Northwest National Laboratory for “Bioinspired Durable Storage of CO2.”

Assorted Talks & Meetings
June 5-9 2023, 54th Annual Meeting of the APS Division of Atomic, Molecular and Optical Physics, Spokane, WA.

Funding Announcements
Pre-proposals solicited for Keck Foundation grants supporting high-risk/high-reward research. Limited submission opportunity, $1M or more. Internals UW deadline July 19, 2023.
Proposals solicited for Cottrell Scholars Awards for early-career faculty (1st appointment 2020 or later). 120K, deadline July 1, 2023.
Applications solicited for Simons Foundation Scientific Software Research Faculty Awards, supporting research faculty involved in scientific software development.

Job Opportunities
- Full-time Physics Lecturer - California Polytechnic State University
- Assistant Professor - University of Nebraska-Lincoln
- Teaching Assistant Professor of Physics - University of North Dakota
- Associate Research Scientist - Columbia University
- Medical Physics Assistant - Northwest Medical Physics Center
- Instructor, Astrocamp
- Undergraduate summer internship, PNNL. Query S. Spurgeon for placement help.

Selected Publications
The in vivo measurement of replication fork velocity and pausing by lag-time analysis, D.Huang, B.Sim, T.Lo, P. Wiggins, et al.,
https://www.nature.com/articles/s41467-023-37456-2.

Fractional Chern Insulator in Twisted Bilayer MoTe2, X.Xu, D.Xiao, et al.,

On the non-uniqueness of the quasi-static magnetic forward problem and its impact on source current reconstruction, W.J.Yeo, A.Miller, S.Taulu, et al.,

Quark Chromo-Electric Dipole Moment Operator on the Lattice, V. Cirigliano, et al.,


Fundamental Symmetries, Neutrons, and Neutrinos (FSNN): Whitepaper for the 2023 NSAC Long Range Plan, V.Cirigliano, W.Dekens, J.Detwiler, A.Garcia, D.Hertzog,


**UW Coronavirus Response Information**

- Current pandemic information on the [UW Covid-19 tracking dashboard](https://www.washington.edu/coronavirus/).