

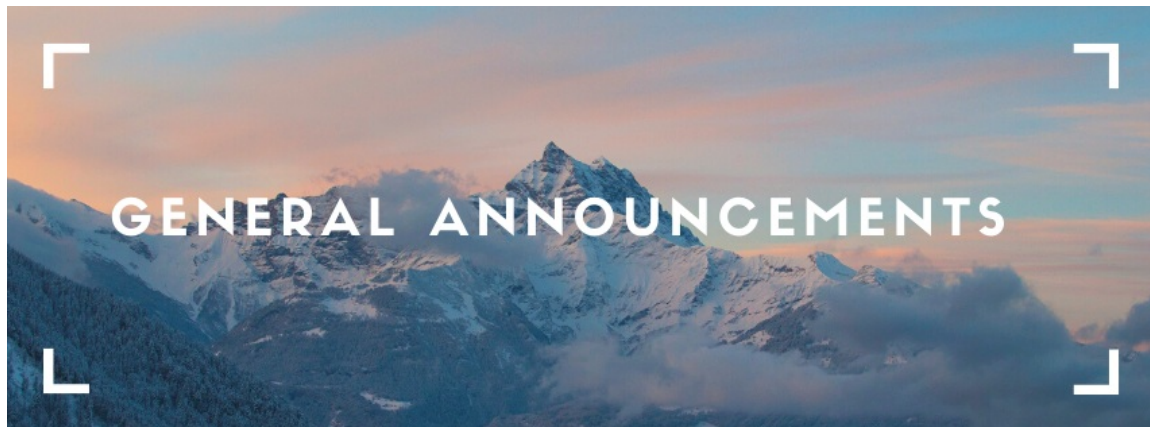
# UWiP

at UC San Diego

## UWiP January Newsletter

### UWiP Mission Statement

Undergraduate Women in Physics (UWiP) at UCSD is an organization dedicated to promoting women and other underrepresented minorities in physics by connecting students to community support and providing academic/professional resources. Some of our most popular events include Coffee & Tea with Professors, Study Jams, Panels, Movie Nights, Women in Physics Presentations, and a lot more!



**Welcome back everyone!**  
**Let's start off the quarter strong!**

### Important Dates to Save for Winter '21!

Start of Winter Quarter: Monday, January 4  
Martin Luther King Jr. Holiday: Monday, January 18  
Presidents' Day Holiday: Monday, February 15  
Finals Week: Saturday, March 13 - Saturday, March 20  
End of Winter Quarter: Saturday, March 20

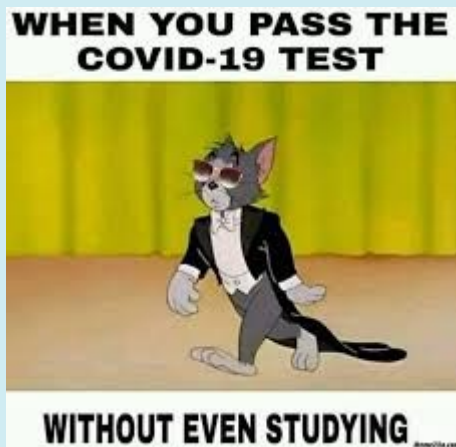
### COVID-19 Testing Updates

Hey Tritons! You already knew you could get no-cost COVID-19 tests administered on campus, but did you know UC San Diego now has **test kit vending machines** spread throughout campus?

You can pick up or drop off a test kit between 9 AM and 4 PM seven days a week!

UCSD Health sent the following list of test kit vending machine locations:

- Muir College: Roots Restaurant
- Thurgood Marshall College (Lower): TMC Residence Life Lobby
- Warren College: Across from the Residence Life Office
- Eleanor Roosevelt College: Next to the Laundry Room
- Village at Pepper Canyon: Lodge
- Seventh College: Next to the Parcel Center
- South Mesa: 9126 Laundry Room
- One Miramar: Next to the Parcel Center
- Nuevo East (Porton) Outdoor Gym Area
- Price Center: 1st Floor across from Burger King



## All Events Flyer

Our detailed Winter 2021 flyer will be out as soon as all our events are finalized. For now, here is an exclusive look at some events you can expect (catch more info at our GBM)! As always, the details for each event will be on the [UWiP website](#), emailed, and posted to our Instagram. We hope you are as excited for these events as we are!



You can also find more information at: [Return to Learn - Winter 2021 Plan](#)

Be like Tom.

## Winter '21 Survey

Let us know which events you are excited for with this brief [survey](#)! Forward this to some friends that might be interested in UWIP too!



The image is a vertical calendar for UWIP Winter 2021 Virtual Events. It features a dark blue background with white stars and snowflakes. At the top left is the UWIP logo, a circular emblem with a stylized atom and the text 'UNIVERSITY OF WISCONSIN PHYSICS'. The title 'UWIP Winter 2021 Virtual Events' is at the top right. A snowman illustration is in the upper right corner. The calendar is organized into two columns of events, each preceded by a week header in a blue box. A vertical line of blue circles separates the two columns. Decorative icons include a yellow Pac-Man character, a coffee cup, and two cats.

WEEK 1	WEEK 2
1/8 - COMMUNITY GAME SOCIAL	1/13 - WINTER GBM
WEEK 3	WEEK 4
1/23 & 1/24 - CUWIP	1/29 - COFFEE AND TEA WITH PROFESSORS II
1/22 - COFFEE AND TEA WITH PROFESSORS I	
WEEK 5	WEEK 6
GRAD PANEL	PALENTINES MOVIE NIGHT
WEEK 7	WEEK 8
FEMALE PROFESSORS PANEL	WOMENS MONTH PRESENTATION



## January Events

Below you will find all the UWIP events and their details for the month of January! Keep up your studying but don't forget to take a break to get to know your UWIP community and all our organization has to offer for our fellow peers interested in physics!

### Community Game Social: Fri Jan 8 (3-4:30 PM)

Let's start the quarter off right! Get to know your UWIP community and join us for a fun game night.

Oh, did we mention that there are gift card prizes? Stop by to see what you can win!



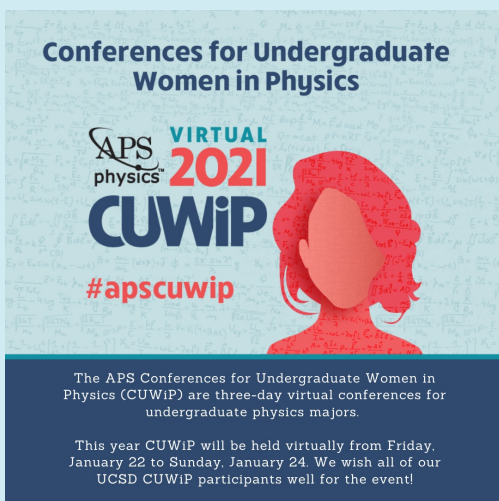
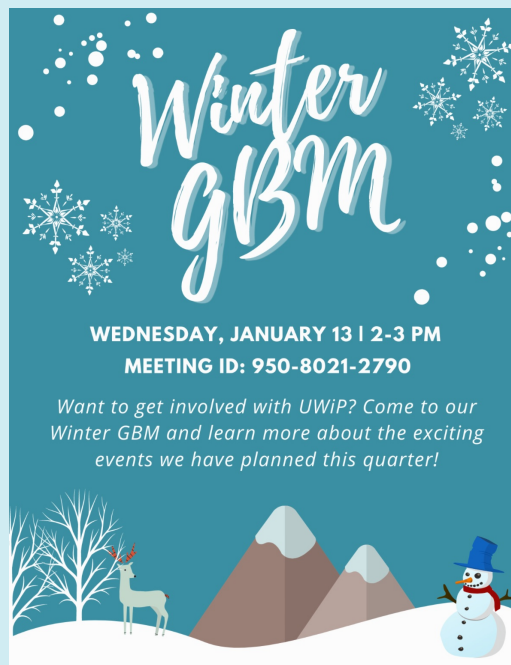


## Winter GBM: Wed Jan 13 (2-3 PM)

Do you like fun physics events? What about more casual community gatherings? Whatever your interest, UWIP has got you covered!

Join us for our Winter General Body Meeting (GBM) to learn more about UWIP and how we support our physics community through academic, professional, and fun events/resources.

We are excited to share with everyone what we have planned this quarter, so check us out!



## CUWiP Reminder: Fri Jan 22 to Sun Jan 24

Our namesake event, the Conferences for Undergraduate Women in Physics (CUWiP) hosted by the APS, is happening soon!

Though the event will be conducted virtually, we have no doubt that all participants will still have fun and learn a lot. We wish everyone, especially our UCSD representatives, well for the event!

## Coffee & Tea with Professors Series: Fri Jan 22 and 29 (2-3:30PM)

UWiP's popular Coffee & Tea events help students connect with

physics professors and learn more about their ongoing research in a casual setting.

More details, such as professor features, to be announced soon!



## Weekly Board Meetings



If you are interested in planning future events or just getting more involved, consider attending some of our weekly board meetings. UWIP Board Applications are coming up and we would love to have your input! Email us for meeting details or feel free to reach one of our Co-Presidents, Trinity ([tcarrasc@ucsd.edu](mailto:tcarrasc@ucsd.edu)) or Mikaela ([mmlarkin@ucsd.edu](mailto:mmlarkin@ucsd.edu)).



## Welcome to your Winter Quarter!

Whether you are returning to campus or learning remotely, we want to help you get the most out of the term. Get your brain fired up by checking out a seminar, or take advantage of some of the amazing opportunities available to you as a UCSD student. The struggle is real right now, but with the passion and determination that brought you here we know you can continue to learn, grow, and succeed!

## Check these resources often for all the happenings at UCSD!

For an at-a-glance overview of all things undergrad, take a look at the Events and Opportunities

Direct from the source! Check the Physics Department Seminar Calendar for the most up-to-date

calendar...

### [Events and Opportunities](#)

...or browse fliers and reminders for upcoming opportunities in the Opportunities Folder!

### [Opportunities Folder](#)

Have any logistical questions, such as major requirements, possible career paths, or applying to grad programs? Check the Physics Department handbook for information, tips, and resources to address any of your concerns!

### [Department Handbook](#)

information, including topics, abstracts, and Zoom links.

### [Physics Seminars](#)

Diversify your knowledge base by checking out what's going on in some of UCSD's other world-leading departments!

### [Seminars By Department](#)

## Featured Seminars

*Physics Colloquium: "Inference in Biological Physics"*  
Thurs 1/07 at 4:00 PM

- Dr. Philip Nelson, University of Pennsylvania (View Abstract [here](#))

Zoom link:

[https://urldefense.com/v3/\\_https://ucsd.zoom.us/j/93730100055?pwd=eFl2ZGw5WExKSU1JSy9lbXp1ZGxXUT09\\_!!Mih3wA!RZQYop\\_rQzg8yMGtJgwYKJ6g0nHUCN0-RIZa8uqhK4ENXLpOtfsvrBZEDzVVEy7jPXYN-4\\$](https://urldefense.com/v3/_https://ucsd.zoom.us/j/93730100055?pwd=eFl2ZGw5WExKSU1JSy9lbXp1ZGxXUT09_!!Mih3wA!RZQYop_rQzg8yMGtJgwYKJ6g0nHUCN0-RIZa8uqhK4ENXLpOtfsvrBZEDzVVEy7jPXYN-4$)

*Plasma Physics Seminar: "Pushing the Limits of Hydrodynamics"*  
Tues 1/12 at 4:00 PM

- Pavel Kovtun, University of Victoria, Canada (View Abstract [here](#))

Zoom Link: <https://ucsd.zoom.us/j/99889433088>

## Stay Inspired, Tritons!



# Women in Physics News

## Italian Research Scientist Recognized as "Woman of the Year"

Anna Grassellino from the Fermilab, a United States laboratory that focuses on particle physics research, was named "Woman of the Year" by Italian magazine, *D La Repubblica*. *D La Repubblica* recognizes Italian women of excellence from a variety of different fields every year and this year Grassellino was selected from a list of 50 women.

After completing her undergraduate studies in electrical engineering in Italy at the University of Pisa, Grassellino earned her PhD at the University of Pennsylvania and now serves as Director of the Superconducting Quantum Materials and Systems Center (SQMS) at the Fermilab. SQMS focuses on expanding superconducting technology, extending the lifetime of qubits, and developing new quantum sensors, just to name a few endeavors. Grassellino herself specializes in superconducting radio-frequency technology and is credited for the discovery of nitrogen doping. She also received the Presidential Early Career Award for Scientists and Engineers by president Barack Obama in 2017.

Continuing to make great strides in physics research, Fermilab director, Nigel Lockyer says "Anna Grassellino is a brilliant, tireless researcher who has had an impact on particle accelerator technology beyond anything imagined a few years ago."

Source Credit: *fnal.gov*

<https://news.fnal.gov/2020/12/fermilab-scientist-anna-grassellino-named-woman-of-the-year-by-italys-d-la-repubblica/>



## Brazilian Fluids Physicist's to Celebrate 61st Birthday

Marcia Barbosa, born January 14th 1960, is a Brazilian physicist known for her pivotal research in understanding the dynamics of water. Marcia was born and raised in Rio de Janeiro State of Rio de Janeiro, Brazil. Receiving her education at the Federal University of Rio Grande do Sul, Barbosa, Barbosa went on to complete her PhD in Physics and is now the director of the physics institute in Rio.



Her research is primarily interested in the weird properties of water. Barbosa claims the complex structure of the water molecule has properties that may help us understand how events, such earthquakes, occur which could help us to solve issues of disease and cleaner energy. Understanding water will help to solve our global clean water storage. Through her research on water permeability in nanotubes/pores, there are hopes to find easier techniques for desalinating and cleaning water to help reduce the global clean water shortage.



Her passions go beyond just water. Barbosa is committed to inspiring young girls and women to seek an interest in STEM fields. She shares her message through conferences, books, and seminars with her quirky and insightful demeanor.

Source Credit:

<https://insidetheperimeter.ca/marcia-barbosa-decoding-water/>

Thank you for checking out our newsletter and we hope you enjoyed it. We love hearing from our general members, so don't hesitate to reach out! If you have any suggestions, questions, or would like to contribute to our newsletter team just send us an email at [uwip.ucsd@gmail.com](mailto:uwip.ucsd@gmail.com). If you loved our newsletter and would like us to feature an event of yours or you have some cool info to share for next month's newsletter, please fill out this [form](#).

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