**Welcome (or welcome back) to UW Biology!**

**Dear Biology undergraduate students,**

A few weeks ago we cut the ribbon on the new Life Sciences Building (LSB) – a $171M, 5-year project to provide state-of-the-art teaching and research facilities for Biology.

For me, the most inspirational aspect of the Life Sciences Building is that it is a monument to optimism about the future. The two major activities that will take place within this building – curiosity-driven research into living systems and teaching students to think like biologists – are inherently long-term investments whose full benefits are not realized for years or even decades, yet whose impacts will be felt throughout the biosphere and civil society for centuries, or even millennia, to come.

The long-term value of basic research is not an abstract concept here in the Department of Biology – our own Professor Emeritus Ben Hall’s pioneering research on protein synthesis in yeast has resulted in vaccines that have saved millions of human lives over the past 30 years. And while we cannot predict what discoveries will be made in this building over the next generation, or which of our students will go on to change the world, based on our own experience we trust that the research and teaching that will happen in the Life Sciences Building have the potential to create the future that we all want for the planet that we share.

I hope that, in addition to the classes that you will take in LSB, you will enjoy the original art on the walls and elevators, the Evolutionary Grounds Café, the beautiful outdoor deck, the first-floor lounge/study areas and student conference room, the greenhouse (scheduled to open this winter), and – most of all – the opportunity to participate in undergraduate research with Biology faculty, postdocs, and graduate students.

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**IMPORTANT DATES FOR AUTUMN QUARTER**

- **Sept 26** First Day of Instruction
- **Oct 2** Last Day to drop a class without a fee thru MyUW
- **Oct 3** Biology Apparel Day
- **Oct 3** All courses require entry codes to add
- **Oct 5** Last Day to apply to Biology major in Autumn
- **Oct 9** Last Day to drop a class without the use of the Annual Drop
- **Oct 16** Last Day to add a class through MyUW
- **Oct 31** Last Day to Apply for Grad Reg Priority GSP for Winter
- **Nov 7** Biology Apparel Day
- **Nov 2-Nov 18** Winter Reg Priority Period 1
- **Nov 12** Veterans Day Holiday
- **Nov 13** Last Day to use ANNUAL DROP or convert to S/NS
- **Nov 19 - Jan 6** Winter Reg Period 2
- **Nov 22-23** Thanksgiving & Fri Holiday
- **Dec 5** Biology Apparel Day
- **Dec 7** Last Day to Withdraw (from all Aut Qtr classes)
- **Dec 10-14** Final Examination week
- **Dec 17-Jan 6** Holiday Break
- **Jan 7** Winter Quarter Starts
WHERE ARE THEY? The Life Sciences Building list you have been waiting for

FIFTH FLOOR:
The labs of Drs: Carl Bergstrom, Emily Carrington, Veronica Di Stilio, Takato Imaizumi, Ben Kerr, Jennifer Nemhauser, Adam Steinbrenner, Billie Swalla & Julie Theriot

FOURTH FLOOR:
The labs of Drs: Lauren Buckley, Dan T. A. Eisenberg, Janneke Hille Ris Lambers, John Klicka, Adam Leaché, Jennifer Ruesink, Sharlene Santana, & Liz Van Volkenburgh

THIRD FLOOR:
The labs of Drs: Bingni Brunton, Clemens Cabernard, Tom Daniel, Alex Paredez, Jay Parrish, Jeff Rasmussen, Jeff Riffell & Barbara Wakimoto

SECOND FLOOR:
The labs of Drs: Marty Bosma, Horacio de la Iglesia, Bill Moody, David Perkel, Christian Sidor, Caroline Strömberg, Peter Ward & Greg Wilson

FIRST FLOOR:
Teaching labs, Evolutionary Grounds Cafe and the large outdoor deck looking south

BE SURE TO CHECK OUT THE ELEVATORS:
Wood from Douglas fir trees was donated by Leopold-Freeman Forests LLC and installed in the elevator core in such a way that the trunk of each tree was put back exactly as the tree stood in the forest. From top to bottom, the trees were reassembled. If the donor’s name sounds familiar, it is because it is our own Dr Scott Freeman known for his teaching and many education contributions to the Department of Biology.

Another component of the elevators is the incorporation of bird songs at each floor. UW professor emeritus Sievert Rohwer worked with Mike Webster and Matt Young of Macaulay Library of Natural Sounds (part of the Cornell Lab of Ornithology) to identify bird species that tend to dwell from treetop to forest floor. The result: A different bird call greets the arrival of the elevator at each floor. B2: Swainson’s Thrush, B1: Red-breasted Sapsucker, 1st Floor: varied thrush, 2nd Floor: Red-breasted Nuthatch, 3rd Floor: Western Tanager, 4th Floor: Townsend’s Warbler and 5th Floor: Olive-sided Flycatcher.
KERRY NAISH named inaugural director of Marine Biology

In recent years, faculty, staff, and students from across the College of the Environment have played a vital role in discussing, shaping, and ultimately creating a new Marine Biology major. This exciting new offering from UW Environment will launch during the autumn quarter of 2018.

“I’m impressed that the framers of this major could simultaneously create something that is stand-alone, and something that can — and will — be used as a pathway to discover other majors, including Oceanography, Aquatic and Fishery Sciences, and perhaps even Biology and Psychology,” Lisa Graumlich, dean of the College of the Environment, said. “With more students interested in marine sciences and studies turning their attention to UW, we all know we stand to gain.”

Kerry Naish, an evolutionary geneticist and professor at the UW School of Aquatic and Fishery Sciences, has accepted the position of inaugural director of Marine Biology. Naish has been heavily involved in the development of the Marine Biology major, including co-developing a Marine Evolution course with faculty from marine sciences, collaborating with the first Marine Biology committee, and working across all three participating units — Oceanography, Aquatic and Fishery Sciences, and Friday Harbor Labs — to bring the major to fruition.

“She is an exemplary teacher and mentor and has been deeply involved in curricular work,” Graumlich said. “Kerry leaps into Marine Biology fully committed to bringing a vibrant, experiential major to life, and to bringing faculty from across our college, campus, and university together to evolve and deepen this new major. I am simply thrilled that Kerry will lead this exciting effort.”

This article was originally posted by the College of the Environment, and you can read the latest news from the College at environment.uw.edu/news.

WHAT DOES MARINE BIOLOGY STUDY?

Marine biology involves the study of life processes of organisms inhabiting saltwater environments; from genetics and evolution to physiological traits and ecosystem functioning. The major is focused on the intersection of marine sciences taught in Oceanography and Aquatic & Fishy Sciences, and examines the marine aspects of biodiversity, ecology and ecosystems and organismal processes, along with impacts from ocean change. All students complete an integrative field experience (research or field course at Friday Harbor Labs or similar site).

WHAT IS INVOLVED WITH A DOUBLE MAJOR IN BIOLOGY AND MARINE BIOLOGY?

Students can double major in Biology and Marine Biology, but adding a double major must be approved for you individually by advisers from both units (based on your academic plan to graduate). Please consider the following policies affecting double majors:

• You must complete the general education requirements for both the College of Arts & Sciences and the College of the Environment (individual courses can apply to both).

• Courses in general science and math (MATH 124, CHEM 142, etc.) can count for both majors without restriction.

• Up to an additional 25 credits used for your Biology major can apply to any requirement in the Marine Biology major (BIOL 311, BIOL 433, etc).

WHAT ABOUT THE MARINE BIOLOGY MINOR?

The minor is still here, and students from all majors are encouraged to make marine biology part of their studies! The new major program will expand course options for the minor as well.

WHERE DO I GO FOR MORE INFORMATION?

Visit marinebiology@uw.edu or contact the Marine Biology Academic Adviser Joe Kobayashi at marbiology@uw.edu
There are a multitude of ways to expand your learning in Biology at the UW. These include volunteering, undergraduate research, internships, study abroad, and involvement in RSOs. But have you heard about some of the programs offered by the Foster School of Business? These programs are open to all students and thrive on bringing academically diverse populations of students together to solve current real-world problems. A few are highlighted here but check out the Innovation Challenges! These challenges can be completed with skills you have already developed on the way to being a biologist. These challenges show that what you learn in Biology can be used in a multiplicity of ways.

2018 TEAM FORMATION NIGHTS FEATURE SPECIAL GUESTS: THE STARTUP, NANODROPPER

“None of us were trying to be entrepreneurs, (but) we saw something that was making us upset and we felt like we could solve it.” Mackenzie Andrews believes in the process that helped make Nanodropper a reality. With its innovative technology the startup aims to disrupt the eyedropper market by reducing cost, waste, and side effects. Early on, the team realized they had significant backgrounds in biology, bioengineering, pharmacology, neurobiology, and mechanical engineering—but not business. That’s where the workshops and Team Formation Nights offered by the Buerk Center for Entrepreneurship helped make a difference.

“Going to these types of events was really crucial to our success, because most of us didn’t know what to expect going into competitions,” said Andrews (Neurobiology and Bioengineering ’19). They also can’t wait to give back to students just like them. Andrews is currently in a graduate program in Bioengineering at the University of Washington, as is co-founder Jennifer Steger, who is a Pharmacology PhD candidate. Co-founder Allisa Song graduated back in 2015 from UW with a dual degree in Psychology Honors and Biology. Song is the only founding member to compete with—and create a company prior to—Nanodropper.

“[he Buerk Center] has tons of people that are willing to reach across disciplines and help people out in a way that they need it,” said Andrews. “They were okay with hearing that we don’t know as much as we needed, but we were willing to learn.”

Nanodropper will be leading Team Formation Night on Tuesday, November 13 at 5:30 p.m. in Foege N130. They will discuss health care and life sciences innovation.

There are two Team Formation Nights leading up to the Nanodropper event. The first is on Wednesday, October 17 at 5:30 p.m. in the CoMotion Fluke Hall MakerSpace. This first night is particularly fun because it explores one of the spaces on campus where ideas truly take shape. Students will learn how to use the 3D printers, sewing machines, and other tools. Best of all, these spaces are among the many ways to use prototype funding available through the Buerk Center, should you choose to apply.

The next Team Formation Night focuses on building a sustainable future. Angel investor Eric Carlson will speak on Thursday, November 1 at 5:30 p.m. in Gould Court at the event, which is aimed at all students, environmentally-focused or not.

“[he Buerk Center] has tons of people that are willing to reach across disciplines and help people out in a way that they need it,” said Andrews. “They were okay with hearing that we don’t know as much as we needed, but we were willing to learn.”

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WANT TO STUDY ABROAD BUT HOW DO YOU PAY FOR IT? Financial Planning Workshops!

Students interested in studying abroad, it is never too early to begin planning how to pay for expenses.

Our first Financial Planning workshop is on Thursday, October 11th from 2:30-4pm in the Ethnic Cultural Center Rm. 207. In these workshops, we will cover program fees, scholarships, how financial aid and study abroad work together, hidden fees, how to save money on airfare, and saving and budgeting strategies.

The full schedule for these workshops for fall quarter is below.

**Thurs, October 11th** 2:30-4:00pm, ECC 207  
**Mon, October 22nd**, 2:30pm-4:00pm, MGH 171  
**Thurs, November 15th**, 2:30pm-4:00pm, SMZ 450

Also don’t forget about Study Abroad Week from Nov. 6-8th. We have really wonderful events planned to encourage UW students to go global.

**STUDY ABROAD MIXER** – Tuesday, November 6, 5:30-7pm, ECC Unity Suite (Please RSVP)

“REMXING YOUR REALITY” with Blake Brandes – Wednesday, November 7, 6-8pm – Intellectual House (Please RSVP)

**STUDY ABROAD FAIR** – Thursday, November 8, 10am-2pm, HUB Ballroom (no RSVP required)

TRIBETA & BIOLOGY CLUB EVENT  Wednesday October 31 Pumpkin Carving & Treats!!!!

TRIBETA & BIOLOGY CLUB  
PUMPKIN CARVING AND CANDY EATING EVENT ON HCK THIRD FLOOR ATRIUM  

HALLOWEEN WED OCT. 31, 6:00-7:30 PM. EVERYONE IS WELCOME.

We will have pumpkins and pumpkin cutting tools.
2018-2019 Executive Board

President
Sonja France
sonja73@uw.edu

Secretary
Laura Strawbridge
lps8@uw.edu

Treasurer
Devon Feaster
dfeast12@uw.edu

VP of Advertising & Communications
Garrett Britt
brittg5@uw.edu

VP of Events
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lexpina@uw.edu

VP of Meetings
Patrick Ngo
patngo1@uw.edu

VP of Membership
Marlowe Keller
mkeller4@uw.edu

VP of Tutoring
Jess Hall
khall314@uw.edu

Adviser
Brian Buchwitz
bjb@uw.edu

To keep up to date with TriBeta, visit our website and subscribe to our emails or follow us on Facebook!
http://tribetauw.weebly.com/

“What is TriBeta?” Beta Beta Beta is a national honor society dedicated to improving the understanding and appreciation of biological studies. It is a platform for students to earn recognition for their efforts and accomplishments while networking with other students and UW Biology staff with the same interests. In short: a really great organization.

TUTORING
TriBeta offers free tutoring for the Intro Biology series (180/200/220) starting the third week of class. Tutors are available for drop-in tutoring in the Hitchcock 4th floor lounge
Monday–Thursday 3:30 pm–6:30 pm

MONTHLY MEMBER MEETING
Our first Monthly Member Meeting will be Thursday, October 11, at 5:00 in the Life Sciences Building second floor conference room. Join us for Pizza and Cards Against Science!

UPCOMING EVENTS
Oct 11th – Monthly Member Meeting
Oct 31st – Quarterly Event: Pumpkin Carving
Nov 7th – Biology Apparel Day T-shirt Sales
Nov 8th – Monthly Member Meeting
November 15th – Quarterly Seminar
Dec 5th – Biology Apparel Day T-shirt Sales
Dec 6th – Study Night

HOW TO JOIN
Full Membership is eligible to any student who has completed two Intro Biology courses (180/200) and one additional biology course with a minimum 3.0 GPA or higher. Details on other levels of membership and a short application can be found on our website.

TriBeta Biological Honor Society:

Patrick Ngo, Marlowe Keller, Lexus Pina, Jess Hall, Laura Strawbridge, Sonja France, Garrett Britt, and not present Devon Feaster.
FREE TRIBETA TUTORING: UW Intro Biology Series 180, 200 & 220

The secret to excelling in Biology 180, 200, and 220 is discussing course content with others and asking questions to make sure that you fully understand new concepts. This is where TriBeta can help! TriBeta Tutors are students who have taken the full 180-220 series, been successful, and enjoy teaching. They can help you with course material & concepts, study habits, and test preparation!

The study lounge also provides FREE snacks during tutoring hours.

Take advantage of this opportunity by dropping by the Study Lounge on the 4th Floor in Hitchcock.

We are here to help you Monday – Thursday from 3:30-6:30 p.m., no appointment necessary.

You can work with other Intro Biology students, or receive individualized help from our tutors who are always eager to help you understand. The lounge is located right above the HCK 3rd floor entrance.

If you have any questions, or have completed the series and are interested in tutoring, please contact Jess Hall at tribetatutoring@gmail.com.

BIO BOOK CLUB: Being Mortal by Atul Gawande

Get Ready for Bio Book Club! NOV 20 HCK 132 4:00pm

We will choose a fiction or non-fiction book each quarter with a scientific thread, but also examines social, cultural, and environmental topics. Please feel free to send book recommendations to Sheryl Medrano at smedrano@uw.edu.

This autumn we will read: Being Mortal by Atul Gawande

Full of eye-opening research and riveting storytelling, Being Mortal asserts that medicine can comfort and enhance our experience even to the end, providing not only a good life but also a good end.

Future books: The Thing with Feathers by Noah Strycker and Saving Tarboo Creek: One Family’s Quest to Heal the Land by Scott Freeman & Susan Leopold Freeman

UW FARM: The UW Farm is a 1.5 acre student-powered urban farm and educational facility

Our work day revolves around the seasons, planting and harvests for most of the year. Harvest Hands volunteer work involves primarily helping with the harvest, picking, washing, packing and some field work. Farm Team volunteer work involves weeding, transplanting, pruning, direct seeding and other tasks related to maintaining the farm’s produce production and management of perennial plants.

Minimum volunteer shift is two hours.

For more information go to: https://botanicgardens.uw.edu/center-for-urban-horticulture/gardens/uw-farm/volunteer/
NEW GRADUATE STUDENTS: Welcome to the Department of Biology!

MELISSA DELGADO ............... in the lab of Clemens Cabernard
WILLIAM SANO .................... in the lab of Sam Wasser
ALICA RICE ............................in the lab Horacio de la Iglesia
KATHERINE HOLT ....................in the lab of Dee Boersman
KARLY COHEN ....................... in the lab of Adam Summers
KAYLA HALL ......................... in the lab of Adam Summers
ALEXANDER LOWE .................. in the lab of Caroline Strömberg
DAVID VILLALOBOS CHAVES ...... in the lab of Sharlene Santana
SUJAY BALEBAIL .................... in the lab of Jeff Riffell

UW Biology PhDs have earned a reputation for excellence and innovation. We value a diversity of people and approaches to solve the most important problems in biology. Accordingly, our students and faculty study a wide range of topics—at spatial scales ranging from molecules to the entire planet, and time scales ranging from nanoseconds to millennia. Many work at the intersections of fields, developing cutting-edge technologies and forging interdisciplinary collaborations.
BioLoGY appareL DaY: The first wednesday of every month & get a treat!

Biology Apparel Day happens the first Wednesday of every month.
If you are wearing Biology Apparel on a first Wednesday of the month throughout the year, you can come to Hitchcock Room 318 (Advising), to receive a sweet treat AND an opportunity to submit your name for a chance at a grand prize.

The TriBeta Biological Honor Society started up T-shirt contests as another way for Biology students, staff, and faculty to support TriBeta and Biology Club and of course, show our UW Biology pride! Your T-shirt purchase supports TriBeta and events put on for Biology Club members, like tutoring for the introductory biology courses, the annual Halloween party and their Spring BBQ.

T-shirts are 20 dollars, cash or check. You can purchase them on T-shirt day in the atrium of Hitchcock Hall. You can contact tribeta@u.washington.edu with any questions!

Biology Apparel Wednesdays in Autumn Quarter are Oct 3, Nov 7 and Dec 5.

Mr. Toad wearing 2017's winning T-shirt by Dorothy Cabantan.
**Mystery Plant:** Guess and win an 8 card set of flowering plants at the Medicinal Garden!

This is the Autumn Quarter mystery plant and it is blooming right now in the Medicinal Garden. Submit your best guess with your name and email into our Mystery Flower Box located within the third floor Atrium of Hitchcock Hall.

A drawing for the prize of a special, limited edition set of eight Biology note cards featuring flowers blooming Autumn Quarter in the MH Garden will be after Nov 26. Cards displayed in HCK 302.

**QUESTIONS:**
1) Genus species for this plant in the mint family?
2) How tall will the plant usually grow to?

**THE UNDERGRADUATE BIOLOGY ADVISING DEPARTMENT**

**OPEN:** Monday thru Friday 8 am to 4:30 pm. General Phone: 206-543-9120

We welcome UW and prospective students to contact us with any questions regarding an option in Biology.

**OPEN WALK-IN:** Monday - Friday 9:00 am to 12 pm AND M, Tu, W, F 1:00 to 4:00 pm, with Thurs 1:30 to 4:00 (office closed 12 to 1) or contact one of our three advisors for an appointment by phone or email.

The photo on the right (in the office decorated for the Campus Decoration Challenge) includes the advisors and staff of Room 318. Advisors are: Jason Patterson, Janet Germeraad & Sheryl Medrano. Staff: Julie Martinez.

**Advising Available**

**Biology Department**

**Walk-in Advising**
Janet Germeraad
Jason Patterson • Sheryl Medrano
318 Hitchcock Hall
Mon-Fri, 9:00 am–12:00 pm
M, Tu, W, F, 1:00 pm– 4:00 pm
Thursday 1:30 pm– 4:00 pm
Closed: 12:00 to 1:00 pm

Website URL:
https://www.biology.washington.edu/programs/undergraduate

**Undergraduate Academic Advising and Office of Minority Affairs & Diversity**
141 Mary Gates Hall
206-543-2550
Quick Question hours (Mon–Fri)
9:00 am-4:30 pm
or email askoma@uw.edu
\http://www.washington.edu/ormdcs

**BIOLOGY STUDY AREA:**
All Students are Welcome in Hitchcock 220

All students are welcome — not just Biology majors!
The BSA is open Monday - Friday 8:00 am - 5:00 pm

The Biology Study Area (BSA) is a GREAT place to study with other students, use computers, or just to read.
Dave Hurley manages the BSA and can even answer your biology questions. If you forgot your textbook, you can check out one from the BSA staff if they have a copy.
The BSA has 21 computers for general use, a Dawg-Print printer and one scanner.
Hiren Ajudia (Biology), Lyudmila Polevoy and Maura Kilpatrick will be staffing the Biology Study Area and programming.

The Mystery flower hints: 1. Sunbirds and ants are attracted to the flowers. 2. The leaves are cordate with serrated edges except the top pair. 3. In Trinidad the leaves are brewed as a tea for fever, coughs, womb prolapse and malaria.

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