GET YOUR HANDS DIRTY!

Friday Harbor Laboratories (FHL) is proud of its over 100 years of hosting marine science research courses for students from all over the world. A sentiment we frequently hear from our alumni is that our courses were a formative part of their education and set them on a path for a career in marine science research. For those who haven’t had the opportunity to take or instruct one of our courses, you may be asking, “what’s so special about them?” The answer is comprised primarily of two parts. First, our courses are distinct for their hands-on approach to understanding the natural world. Indeed, you can take our slogan “Get Your Hands Dirty!” quite literally. Second, the curiosity and enthusiasm for all things oceanic from both the students who take FHL courses and the instructors who teach them create an environment with strong potential for life-long friendships and professional connections within the marine science community.

FHL courses can be divided into two categories based on the season they are offered. Our spring and autumn courses are mostly geared towards undergraduate students seeking a chance to hop on a boat or wade into the intertidal to get the data they need for their own research project while learning basic concepts in marine biology. For instance, our Zoology Botany (Zoo-Bot) program boasts decades of impressive, budding marine scientists learning fundamental facts about the flora and fauna you’d find in the Salish Sea before carrying out their own research projects. The success of this program led us to create a similar autumn combination of courses in ecology and comparative anatomy, along with a research course that lets students tie everything they’ve learned into a self-led project. Students at the beginning of their undergraduate studies can also take our Spring Marine Studies program, which hosts a diverse array of topics pertaining to the Salish Sea, including indigenous history, natural history, and marine mammals.

Finally, spring and autumn also offer Research Apprenticeships where students take a single 15-credit class that is entirely research-based. That’s right — no quizzes, no tests! The most popular example is our Pelagic Ecosystem Function apprenticeship ride aboard FHL’s R/V Kittiwake under a looming Mount Kulshan (Mount Baker).
GET YOUR HANDS DIRTY  (CONTINUED)

Function apprenticeship, which now has 17 years of student-driven research projects that cover the gamut from the tiniest phytoplankton to our beloved, local megafauna.

Our summer offerings are intense, 5-week courses in specialized marine science topics taught by a unique cadre of experts. On a busy summer day on the FHL campus, you may see a group of students and instructors painstakingly dissecting a marine worm and analyzing its DNA while another group is CT scanning skulls of carnivorous fish and 3D printing the teeth to understand how they bite and tear their prey. A group of students may be practicing rescue diver skills off the dock while another is hunched over microscopes watching single-cell embryos split into two. In 2023, we plan to host summer courses in marine botany, changing coastlines, larval ecology, fish swimming, invertebrate zoology, and marine birds and mammals!

It’s no wonder that students from all over the world apply to call FHL home for five to ten weeks of the year. In the summer of 2022, our students hailed from Israel, Japan, Brazil, Ecuador, Colombia, China, Canada, and dozens of universities throughout the United States. Their degree tracks included marine biology and oceanography in addition to PhD candidates in engineering, public health, paleontology, and physics. Having all these students together and mixing in resident and visiting researchers makes our campus come alive. Conversations in the Dining Hall bounce through a myriad of interesting topics, which often morph into the ingenious class research projects we see presented at the end of each quarter. It’s not uncommon for us to receive thoughtful videos filmed and edited by students after a quarter that capture the “science summer camp” vibe we promote. An average day for a student could be spending time with a peer on the shore during low tide collecting specimens, manufacturing a PVC and Tupperware device for some unique experimental setup, analyzing data using Python, going to the “Invert Ball” (yes, the students dress up like invertebrates for an annual party) in the evening, and then capping things off with some night lighting off the dock.

An expression we often hear from people visiting the campus after being away for decades is that they are pleasantly surprised that we’ve managed to maintain our sense of community over the years. They think back on the course they took here that was so instrumental in setting their path in science, and are happy to see the next generation have those same opportunities. As beautiful as the San Juan Islands are, it truly is the ‘who we teach’ and ‘how we do it’ that makes FHL such a special place.
The FHL Adopt-a-Student Program continues to be our largest source of financial aid for students participating in our summer courses. Created by the FHL Advancement Board in the early 2000s, this program has changed the lives of so many students. Students and sponsors alike have the opportunity to meet – truly a win / win interaction.

We are always delighted to welcome new sponsors to the Adopt-a-Student Program. Would you be interested in contributing (full / partial support) and making a huge difference in a student’s path forward?

Doug and Maureen Miller have generously supported FHL students through the Adopt-a-Student Program for a number of years now. After participating in a group Zoom Adopt-a-Student introduction, Doug shared some impressions:

*This year’s class seemed exceptional in many respects, with diverse areas of scientific interests, different backgrounds and geographical diversity, and impressive ambitions and plans for the future. This all contrasts with the overwhelmingly academic-tracked students in my time there. There are so many more options and a variety of paths that come together now, and that is a very good thing. The molecular and genomic approaches available now have amazing potential and are definitely the way forward. There’s still so much of the basics to sort out (like which gene to use). Of course, cramming sample collection, remote sample analysis and data interpretation into a five-week session will always be a good challenge. It was so gratifying to see that the first step is (still) sitting on the dock, sorting a bucket of critters and puzzling over just what you’ve found.*

**Doug Miller, Professor (Retired) U Delaware, Adopt-a-Student Sponsor and FHL Grad Student, RA and TA, 1980–1984**

The FHL Adopt-a-Student Program made coming to Friday Harbor a possibility for me. Because of it, I was able to study biodiversity and taxonomy from some of the best marine invertebrate zoologists in the world. I am incredibly grateful to my sponsor for his generous support and the ability to grant me this once-in-a-lifetime opportunity. This is an experience that has changed my life! It inspires me to also be generous with my resources to those who need them.

**Therese Miller**  
University of Guam

The experience at FHL deeply impacted my career. It gave me new perspectives and ideas to work on my PhD program. Also, I am still in contact with all the friends I made in the course (students and faculty).

**Raisa Campos Rizzieri**  
Stonybrook University

You can help us support future students by giving to the Adopt-a-Student Program or its Endowment at [fhl.uw.edu/about/community/](http://fhl.uw.edu/about/community/)
K-12 Program

We are so proud to share the good news that the FHL K-12 Science Outreach Program (FHLSOP) is going strong. Now in its 22nd year, the Program’s outreach continues to bring the wonder of science to hundreds of Friday Harbor students every year. Beginning in kindergarten and continuing through high school, our outreach supplements the local teachers’ curricula and offers amazing opportunities for hands-on experience!

This past year, Program Director Michelle Herko was thrilled to welcome Adam Rogowski as Program Assistant. Adam received his undergraduate degree from Macalester College in 2019 with minors in Biology and Environmental Studies. He has also been a kayak tour guide for 4 years, educating groups about the ecology, geography, history, and conservation efforts in the San Juan Islands.

This past year, we benefitted from generous funding from individual donors, as well as the Stocker Foundation and The Dean Witter Foundation. This fund is helping us in many ways including the purchase of much-needed plankton nets for the high school Oceanography project. In addition, we were able to upgrade essential equipment for the 5th grade water sampling program and have Adam modify it to our specific needs. Improvements like these strengthen the program, allowing students access to the latest equipment and techniques. We will also be able to purchase DNA extraction and clean up kits for the Invasive Mussel Project that we plan to do with the high school this winter. It is very satisfying to have the funds to be able to purchase the exact equipment needed for a project.

In addition to our September through June programming, every summer the FHLSOP offers a Young Investigator Prize to a talented local high school student. The “prize” is a paid internship working with an FHL researcher. This past summer, Eleanor Rollins was welcomed and appreciated by the FHL Carrington Lab.

We are always looking for financial support for this program and are so grateful to the individual donors and family foundations that help us reach our students! To read more about the individual programs (by grade level) or to join in supporting our science outreach in the San Juan Island Community, please visit our website: https://fhl.uw.edu/about/outreach/
Many of FHL’s buildings are almost 100 years old, including wet labs that were built in the 1920s and partially remodeled in the 1980s with new windows and wallboard – but even those ‘new’ features are now 40 years old, and are pretty tired! It is challenging to get funding for renovations, since UW Facilities must deal with hundreds of old structures on the Seattle campus, and renovations don’t carry the donor appeal that new construction may have. Enter the National Science Foundation’s (NSF) Field Stations and Marine Labs program! This branch of NSF will supply funds for infrastructure if the work will “expand capacity” – i.e. just renovating an old building and using it in the same way doesn’t qualify for funding.

So, Adam Summers, Billie Swalla and Megan Dethier wrote a proposal to renovate Lab 2 and create a “Marine Genomics Center” with new genomics equipment, adding to the related equipment already in Billie’s lab. Bernadette Holthuis, Maintenance supervisor Doug Engel and Megan Dethier worked extensively coming up with a plan for renovation that will allow the main room to be clean and dry (and suitable for sensitive equipment), put sea tables in the side room which used to hold the magnetic coil for neurophysiology work, replace the heat pump, tear out the ‘nasty’ rusty cabinetry, and buy mobile lab benches that can be moved around so that the building can be reconfigured for workshops, classes, or independent researchers. To our delight, last summer NSF awarded us almost $400k for this project, about half for the renovation and half for new equipment. Most of the renovation will be done by our own crew, and we will hire a postdoc who can help with choosing and setting up new equipment. The crew jumped right into the project; here are ‘before’ and ‘during’ pictures, but you’ll have to wait until our 2023 newsletter to see the ‘after’!
The Whiteley Center has seen year-round use in 2022, especially during the summer, and we hope to run it again at full capacity in 2023! We were cautiously open during the early days of the pandemic but are now fully open and eagerly accepting applications. We encourage all past users to talk to your colleagues about how remarkable this space is for creativity of all kinds! We would love to see new users discovering this peaceful and productive center. This year we started offering limited numbers of fellowships to help defer costs. As our website says, “Scholars wishing to work at the Whiteley Center but needing financial aid to make a visit possible are invited to apply for a Whiteley Fellowship, funded by the Arthur & Helen Whiteley Distinguished Fellow Endowment. We strongly encourage applications from individuals whose demographic is underrepresented in their field.” Below we include our 2022 fellowship recipients.

In addition, we are working on clarifying issues of availability and funding (including fellowships) for the Macfarlane Artist Studio. Keep an eye on the FHL website for updates!

Some of the Whiteley Scholars and their Projects:

Karen Anderson, Professor, School of Life Sciences, Arizona State University. Prioritization of NeoEpitopes for Vaccine Delivery.

Karma Dana, Associate Professor, School of Interdisciplinary Art & Sciences, University of Washington. Book Project: Transnational Palestine.

Joe Lott, Associate Professor, College of Education, University of Washington. The Positive Social Change Challenge.

Yu Luo, Assistant Professor and Barnett Chair in China Studies, University of Puget Sound. Poverty Alleviation and the Forms and Futures of Ethnic Minority Culture in Guizhou, Southwest China.

Nalini Nadkarni, University of Utah and UW, with Michelle Frank, Consortium for History of Science, Technology and Medicine. The Tapestry Thinking Project: Connective Collaborations in Science and Diverse Societal Sectors.

Jeff Vervoort, Professor, School of the Environment, Washington State University. Isotope Evolution of the Depleted Mantle.

Noah Whiteman, Professor of Integrative Biology and of Molecular & Cell Biology, University of California-Berkeley. Book project: Most Delicious Poison: How nature’s toxins change the world.

2022 Whiteley Fellowship Recipients:

Michelle Frank, Consortium for History of Science, Technology and Medicine. Joined Whiteley scholar Nalini Nadkarni on the project described at left.

Kate Hopper, Ashland University adjunct. Worked on finishing her book proposal and revising short essays.

Kathryn Hunt, Poet/Writer. Wrote poems to be included in her third collection.

Anne Kellor. Worked on “In Love”: a lyrical, collage memoir that explores a woman’s desire to know her full self.


To learn more about the Whiteley Center and the Macfarlane Art Studio please visit fhl.uw.edu/whiteley-center/
Aaron Ninokawa

Aaron is a global change scientist exploring the relationship between aquatic organisms and the chemistry of their environment. He received a bachelor’s degree in Biology and Chemistry from California State University, Fullerton and a PhD in Ecology from the University of California, Davis working at the Bodega Marine Laboratory. During grad school, he examined the capabilities of foundation species to alter chemistry and the ways in which chemical perturbations impact both marine and freshwater organisms. By assembling aggregations of mussels, oysters, and sea urchins in the laboratory, he characterized the extent to which those species exacerbate ocean acidification within the interstices of the aggregations. Because ocean acidification modifies many chemical parameters, he also investigated which of those parameters are responsible for impacting organisms. He is currently an NSF Postdoctoral Fellow and testing whether different chemical modifications by foundation species change how species respond to ocean acidification. He and his wife are enjoying exploring the island and all the habitats it has to offer.

Alli Cramer

Alli is a marine ecologist specializing in ecoinformatics. She studies how environmental variation impacts marine animals and communities by integrating ecological inferences across multiple scales. She received her bachelor’s degree in Biology from the University of Oregon, a Masters in Applied Marine and Watershed Science from California State University Monterey Bay, and a PhD in Environmental and Natural Resource Science from Washington State University. Her first postdoctoral position was with the NOAA Southwest Fisheries Science Center and the University of Santa Cruz predicting the year to year abundance of spawning Green Sturgeon. Her research involves merging quantitative and computational techniques with traditional field work and experimentation. As an NSF Ocean Sciences Postdoctoral Research Fellow, Alli is studying the role of substrate mobility in intertidal communities, connecting the realized outcome of disturbance via wave forces on rocky substrates to community composition. Her teaching experience includes courses in ecology, oceanography, and data analysis and synthesis. Alli is pleased to be joining the Friday Harbor Laboratory community.

While successfully “launching” postdocs into successful careers is part of our mission as an academic facility, we do hate to see them go! All 4 postdocs described in our last 2 Intertidal Tidings are launching in the near future: Eliza Heery to a tenure-track job at University of Washington Tacoma; Lauren Simonitis to an NSF-funded postdoc at Florida Atlantic University; Brooke Weigel to an NSF-funded postdoc at Western Washington University (to study snow algae); and Carla Narvaez to a tenure-track position at Rhode Island College. We hope, of course, that all will return here to do research or teach at some future date! There is a long tradition of FHL postdocs returning to the Labs with their own students.

Meantime, we are actively searching for a new postdoc who can take advantage of our under-construction Marine Genomics Center (see page 5). As we go to press, Billie Swalla and a search committee are looking over the materials of many enthusiastic applicants. We are excited to be able to increase our postdoc population again, since they are such a key element of the FHL community!
The FHL Advancement Board Celebrates its 25th Anniversary

We are so very grateful to this Board — an incredible group of individuals who support FHL’s fundraising efforts.

The FHL Advancement Board (AB) was established in 1997 by FHL Director Dr. Dennis Willows. Its earliest members included Megumi Strathmann, Trish Morse, Bob Lundeen, Barbara Cable, Rick Vosberg, and Arthur Whiteley. Over its 25 years, fantastic Board Chairs have guided the Board’s efforts including Chairs Barbara Cable, Don Peak, Trish Morse, Kevin Schofield, and Flo McAlary together with Vice Chairs Barbara Von Gehr, Carolyn Haugen, and Lesley Nilsson. Currently, the Board consists of 30 members from the diverse worlds of business, the arts, science, education and philanthropy! Their collective understanding and steadfast pursuit of new and traditional opportunities to support the FHL mission are reflected in the long list of FHL funds and endowments and, especially, the Adopt-A-Student Program. Their challenge for the future remains. As government funding to the University at all levels has diminished, private contributions are increasingly critical in providing funding for undergraduate and graduate students, postdocs, researchers, FHL-based faculty, and long-term support for an FHL Director.

We extend our heartfelt appreciation to the Advancement Board! We could not accomplish what we do without their commitment and dedication.

---

### FUNDS & ENDOWMENTS

<table>
<thead>
<tr>
<th>Adopt-A-Student Program Endowed Fund</th>
<th>Marine Life Endowed Faculty Fellowship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adopt-A-Student Program Fund</td>
<td>Marine Life Endowment</td>
</tr>
<tr>
<td>Comparative Biomechanics Fund</td>
<td>Marine Science Fund</td>
</tr>
<tr>
<td>Anne Hof Blinks Fellowship in Marine Biology</td>
<td>William &amp; Florence McAlary-McFarland Family Endowment for Student Support</td>
</tr>
<tr>
<td>Bloom, Shimek, and Raymore Endowed Fellowship</td>
<td>Larry McEdward Memorial Fund</td>
</tr>
<tr>
<td>Beatrice Crosby Booth Endowed Scholarship</td>
<td>Mellon Research Training Faculty Scholarship</td>
</tr>
<tr>
<td>Calvin Postdoc Term Fellowship</td>
<td>Trish Morse Endowed Scholarship – Japan / U.S. Exchange</td>
</tr>
<tr>
<td>Emily Carrington Endowed Student Travel Support Fund</td>
<td>Edward Sylvester Morse Institute</td>
</tr>
<tr>
<td>FHL Cycles of Ocean Life Fund</td>
<td>Frederic H. and Kirstin C. Nichols Endowed Graduate Fellowship</td>
</tr>
<tr>
<td>FHL Diversity, Equity and Inclusion Initiatives Fund</td>
<td>Nuts and Bolts Endowed Fund</td>
</tr>
<tr>
<td>FHL Discretionary Fund for Excellence</td>
<td>Octopus Fund</td>
</tr>
<tr>
<td>Ellie Dorsey Memorial Fund</td>
<td>Brooks and Suzanne Ragen Endowed Scholarship</td>
</tr>
<tr>
<td>Patricia L. Dudley Endowment</td>
<td>Christopher G. Reed Endowed Fund</td>
</tr>
<tr>
<td>Janet L. Fahey &amp; Richard R. Vance Endowed Graduate Fellowship in Marine Ecology</td>
<td>Research Apprenticeship Program Endowment</td>
</tr>
<tr>
<td>Robert L. Fernald Endowment Fellowship</td>
<td>Graduate Research Fellowship Endowment</td>
</tr>
<tr>
<td>Alexander Fodor Graduate Student Endowed Fellowship</td>
<td>Mary E. Rice Endowment at FHL</td>
</tr>
<tr>
<td>FHL Ph.D. Graduate Support &amp; TA Fellowship</td>
<td>Riddiford/Truman Endowed Professorship</td>
</tr>
<tr>
<td>Graubard Ph.D. Term Fellowship</td>
<td>Gordon and Helen Robilliard Marine Field Equipment Endowment</td>
</tr>
<tr>
<td>Harvell/Greene Endowed Scholarship</td>
<td>Pamela Roe Graduate Student Endowed Fund</td>
</tr>
<tr>
<td>Paul Illg Distinguished Lectureship</td>
<td>Salish Sea Solutions Fund</td>
</tr>
<tr>
<td>Paul L. Illg Scholarship Fund</td>
<td>Seagrass Conservation Project</td>
</tr>
<tr>
<td>Dynamic Imaging Maintenance Fund</td>
<td>FHL Research Fund: Seastar Wasting Disease</td>
</tr>
<tr>
<td>K-12 Science Outreach Program Fund</td>
<td>Kenneth P. Sebens Endowed Student Support Fund</td>
</tr>
<tr>
<td>FHL Science Outreach Program K-12 Endowed Fund</td>
<td>Richard R. and Megumi F. Strathmann Endowed Fellowship</td>
</tr>
<tr>
<td>Alan J. Kohn Endowed Fellowship</td>
<td>Turn Point Endowed Faculty Fellowship</td>
</tr>
<tr>
<td>Eugene N. Kozloff Endowed Scholarship</td>
<td>Stephen and Ruth Wainwright Endowed Fellowship</td>
</tr>
<tr>
<td>Charles Lambert Memorial Endowment</td>
<td>Helen Riaboff Whiteley Center Endowment Fund</td>
</tr>
<tr>
<td>Karel F. Liem Fish Biology Endowment</td>
<td>Arthur and Helen Whiteley Distinguished Fellow Endowment</td>
</tr>
<tr>
<td>Macfarlane Artist Fellowship</td>
<td>Arthur H. Whiteley Memorial Fund</td>
</tr>
<tr>
<td>Macfarlane Art Studio Endowment</td>
<td>Dennis Willows Director’s Endowed Professorship</td>
</tr>
</tbody>
</table>

Please support our efforts at [fhl.uw.edu/about/community/](http://fhl.uw.edu/about/community/)
Thank you for your support.

We wish to acknowledge our many contributors for their kind and generous support of students and programs at FHL.

Sea Star Society

A. F. Schance Family
Gregory Anderson & Patsy Dickinson
Paul & Carol Anderson
Rachel & Mark Anderson
James Barnes
Marcus Berliant & Clara Asnes
Glen & Debra Bruels
William Calvin & Katherine Graubard
Cathryn Campbell
Ana Mari Cauce & Susan Joslyn
Jon & Joan Christoffersen
Cornell University Foundation
Raj Divi
Christopher Duncan
Joan Ferraris & Jon Norenburg
L. Jay Field & Deborah Dwyer
Janelle & Stephen Fodor
Charles & Melissa Froland
Gans Collections & Charitable Fund
Inta Gotelli
Charles Greene & Drew Harvell
Carolyn Haugen
William Randolph Hearst Foundation
John Howieson
Mary Johanson
Orlay Johnson & Shirley Kronheim
Alan Kabat
Alvin & Verla Kwiram
Edie Lambert & Lloyd Levine
Gretchen Lambert
Jeffrey Levinton & Joan Miyasaki
Laura & Samuel Long
John Lynn III
Robert & Janet Macfarlane
Susan Mahoney
Maxwell / Hanrahan Foundation
Florence McAlary
Chip & Ramsey McDaniel
Catherine McFadden & Paul Clarke
Rachel Merz & Brian Clark
Douglas & Maureen Miller
Claudia Mills
M. Patricia Morse
Frederic & Kirstin Nichols
Claus Nielsen
Lesley & Kenneth Nilsson
Charles & Eleanor Nolan
Patricia Otto
Joann Otto
Dianna Padilla
Donald & Kathleen Peek
James Perry & Bethany Econopouly
Julie Piraino
Pohlad Family Fund
Yvonne Powell
Suzanne Ragen
Sally & Tom Reeve
Virginia Rich
Lynn Riddiford & James Truman
Richard C. Seaver Charitable Trust
Gordon & Helen Robillard
San Juan Island Community Foundation
Steve & Elaine Scherba
Kevin Schofield
Neil Scovell & Colin Summers
Seacology
The Seaver Institute
Thalia & Richard Shorette
Myra Shulman
David & Catherine Skinner
Craig Smith & Melissa Smith-Zaninovich
Erik Sperling
Richard & Megumi Stratham
Billie Swalla
Susan Swindells
The Dean Witter Foundation
The Islam Family Foundation
The Nature Conservancy
The Seattle Foundation
The Stocker Foundation
Robert Vadas Sr.
Barbara Von Gehr
Frederick Vosburgh & Diane Kromm
Benjamin Walcott
Charles Walcott
George & Colleen Willoughby
Sarah Woodin & David Wethey

Sea Star Society Members are donors who contributed $1,000 or more this past year.

FHL Contributors

Jeffner Allen
James Anderson
Boon Ang
Thomas Daniel & Jane Baird (D)
Michael Baltzley & Maia Jones
John & Shannon Bartkiw
Elizabeth Begg
Linda Beidleman
Charles & Mei Tsu Birkeland
Susan Bock & Gregory Clark
Anne Boettcher & Daniel Martin
Joanne Bourgeois
E. Sanford Branscomb
Gayle Brenchley & Susan White
Melissa Brownell
Gwen Burzycki
Christine Byrum
Megan Cahalan
John Carrier
Alex Cheroske
Sharon Chia
John & Judy Clark
Rita & Richard Cloney (D)
Coastal Watershed Institute
Ilsa & Roger Coleman
Susan & Clayton Cook
William Cruce

Gifts received from October 2021 - October 2022 (D): deceased.

Photo at top: lilly3/iStock/Thinkstock
Thank you FOR YOUR SUPPORT (CONTINUED)

Carla D’Antonio & Thomas Dudley
Anne Dazey
Jody Deming
Corinne Domingo
Peggy Domingo
Rebecca Domingo
Mark Donohue
Peter Dotti
Charisse & John Dwyer
Timothy Dwyer
Charles & Christine Eaton
Lise Eliot & William Frost
Shannon Fairres
Donald & Patricia Fels
Kyle Foss
Luis & Olga Fuste
Jocelyn Gibbons
John Gibbons
Ronald Gill
Carl & Bonnie Granquist
John Greger
Mary & James Guard
Don Gunderson
Charles Halpern & Annette Olson
Leighanne Harris
Dennis & Lorraine Hartmann
Eleanor Hartmann
Eugene Helfman & Judith Meyer
Amy Henry
Susan Hess
Susan Hine
Kristiina Hiukka
Michael Honey & Patti Krueger
Taina Honkalehto & Edward Melvin
Jan Houser
Janet Ilg-Wingert & R. Craig Wingert
Intel
Erika & Vikram Iyengar
Laurinda Jaffe & Mark Terasaki
William Jones & Bette Nicotri
Adrianna Jordan
Carol & William Kem
Stephen & Rita Kempf
Marifa Khatun
Andrea Kissinger
Mimi Koehl & Zack Powell
George Kowallis
Amy Lane
Tracy Larmer
Thomas Lemons
Diane Lind Fenster
Marker Buoy Dive Club
James & Ella Markham
Karen & Robert Martin
Stephanie Martin & Charles Simenstad
Irina Masinovsky
Mark & Tracy McClintock
Joanie McKinney
Judith Meyer & Eugene Helfman
Catherine Miller
Kathy Ann Miller
Megan Moon
Alexander & Ann Motten
George & Pauline Mulligan
Nature Vancouver
Shannon Newby
Maureen Nolan & Kristina Kline
Michael & Suzanne O’Donnell
Janice Odom
Rita Pampin
Edward & Insuk Park
Dale Pederson
Bruno Pernet
Linsey Pilkinton
Tracey Pilkinton
Tony Pires
Joan & Brian Poor
James & Priscilla Potter
Véronique Robigou-Nelson & Bruce Nelson
Mark & Sandra Ronan
Mark Ruedrich
Cynthia Sangster
Vijay & Mary Sarthy
Joan & Allen Schuetz
Melinda Seevers
Alex Shapiro
Caitlin Shishido
Ned Smith
Karen & James Spaulding
St. Paul Lutheran Church
Raymond Stephens
William & Versa Stickle
Fredrick Stillman
Steve & Susan Stricker
Kimbal Sundberg & Debra Clausen
Sherman Suter
William Suzuki
Ellen Toby & George Jackson
Gay & Richard Vogt
David Vrona
Sam Wainright
Susan Wenberg
Kurt Wieland
Michael Wiley
John Wootton & Catherine Pfister
Rosalyn Yake
Russell & Sylvia Yamada
Richard Yasuda

The Willows Professorship

The purpose of the FHL Dennis Willows Director’s Endowed Professorship is to enhance the University’s ability to hire and retain a distinguished director who will sustain FHL’s international reputation for excellence in marine science. I am currently prioritizing this as my top fundraising effort. A substantial endowment will help us recruit an exceptional individual who can expand FHL’s research expertise, attract new researchers and graduate students, and broaden FHL’s teaching capacity. Down the road when I step down as director, FHL will be seeking a resident Director whose teaching and research are entirely at FHL. We’re inviting friends and supporters to help grow the Dennis Willows Director’s Endowed Professorship to make it an effective tool to support FHL in this critical fashion. You can help by making a contribution to the Dennis Willows Director’s Endowed Professorship online via UW Giving.

- Dr. Megan Dethier, Director
There are limits to how much I believe in that call for action – I love the antiques inherited from my grandmother, and do tend to hoard field gear “that might be useful again sometime”…but FHL staff has become aware that we must clear out research and storage spaces to have enough room for our increasing numbers of researchers. Peggy started this process as soon as she took over the stockroom, investigating and eventually tossing or surplussing equipment that was permanently broken or hadn’t been used in decades. This was so inspiring that we are attempting a parallel effort campus-wide: the Fall Purge Splurge. We are finding many old “treasures” in the process – jars of pickled critters from the 1960s, costumes from past Invertebrate Balls, and of course a ton of abandoned glassware, boxes of supplies stored by researchers who haven’t been here in decades, etc. Out with the old!

An ‘in with the new’ activity that doesn’t involve shoving out anyone or anything (but also requiring space) is an exciting planned addition to our local staff; the UW Provost is supplying funds for us to hire a Teaching Faculty member to be here at least 9 months a year and help us teach enough courses to support the rapidly increasing population of UW Marine Biology majors who need to come to FHL to fulfill course requirements. We hope to find someone who also wants to do research here and becomes truly resident!

Running parallel with this search is a brainstorming effort about how best to modify and expand our curriculum to increase the FHL undergraduate population during the academic year (especially spring and fall quarters), since “butts in the seats” (technically, student credit-hours) form the basis of much resource allocation at the University. This curriculum work, in turn, will be part of a larger strategic planning effort for all FHL, since we haven’t had a new strategic plan since 2010. It’s a good time, as part of “in with the new,” to ponder where we are and where we are going.

Finally, a very sad (for us) but happy (for her) change that is coming; our amazing Advancement Officer Rachel Anderson is leaving FHL in February – this will be her last Intertidal Tidings! Rachel has done an incalculable amount for FHL since she started in this role almost 20 years ago – working with 4 different Directors, she has built up a tremendous, well-stewarded donor base. She has worked closely with the Advancement Board to greatly amplify student support – the majority of both our graduate and undergraduate students rely on donor-funded scholarships – and likewise our graduate student researchers rely on donor funds to help cover their expenses. Rachel’s warm personality, remarkable empathy, and ability to communicate with people from many walks of life will be almost impossible to replace. But she is looking forward to more travel and being able to spend quality time with her family. We will miss her terribly!
To learn more about FHL, please visit our website at [fhl.uw.edu](http://fhl.uw.edu).

Interested in receiving our monthly *Tide Bite* e-mail about FHL research? Please sign up on the FHL News page: [tinyurl.com/FHLnews](http://tinyurl.com/FHLnews).

**Clockwise from right:**

- The *Biodiversity & Integrative Taxonomy of Invertebrates* course in the field. Photo: Kevin Kocot
- The *Pelagic Ecosystem Function in the San Juan Archipelago* apprenticeship sampling on R/V *Kittiwake*'s aft deck.
- A practice dive rescue session during summer’s *Marine Subtidal Ecology* course.
- R/V *Kittiwake* early morning before a trip. Photo: Sadie Youngstrom