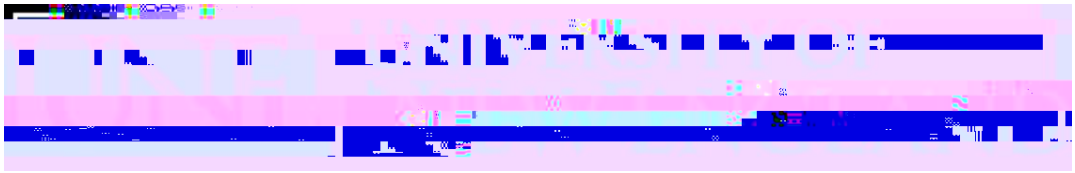

9:00am-11:00am	Open House: Art Displays and Poster Presentations Alfond Forum Multi-Purpose Courts and Classroom# 238
11:00am-11:30am	Welcome Address: Jeanne Hey, PhD - Dean, College of Arts and Sciences Edward Bilsky, PhD – Vice President, Research and Scholarship Elizabeth Francis-Connolly, PhD – Dean, Westbrook College of Health Professions Alfond Forum M

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This video touches on the Olympics and some of the issues that are within them. The video also shows UNE Athletics and correlates UNE to the Olympics.

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This video is about the globalization of food. In the video, the main character will be completely Americanized by what he or she eats. The main character will have his or her mind opened when she/he tries different foods from around the world.

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This video will focus on the fostering of global citizenship through global education and research opportunities. The Global Education Program does so by opening international doors for the UNE community.

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This documentary will be based on interviews with young, as well as older, athletes who have played basketball, hockey and lacrosse in different countries. It will discuss the different cultures experienced, as well as the differences between the American game and the other country's style of playing.

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Poster Presentations	9:00am-11:00am 15th Annual Student Research Symposium

This work will discuss the story, progress and research of the student campaign and newly student-created internship, Fossil Free UNE.

Our research project determines

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A market entry plan to export single-serve coffee makers to Bolivia as a luxury product.

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I am doing my global marketing project on the product Kegerator's from the company Kegco and show how it will be successful in the German beer market.

This project examines the increase of popularity in China regarding basketball. The purpose of this study is to discover viable ways to produce and distribute basketballs in the host nation of China.

My project is to design and develop a marketing plan that would allow for the successful sales of foreign fuel efficient cars in Scotland.

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"Communico" is a mobile application used by employees to effectively communicate with each other in order to optimize the quality of services provided. Features of the app include emailing, sending documents to the company's operating system to print, and contact information/mini bios about e l' ٩ l'. e 7 ate

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Investigation of the early 1900's "wonder drug", Radium, which was used to treat a wide range of issues from acne to insanity. We explore more in depth the stories behind this phase where people happily accepted Radium, which they thought was an incredible discovery, but unfortunately were led to an intense tragedy involving health risks and death.

The effect of an audience (male, female, no) on the interactions between pairs of female Siamese

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Global climate change may result in thermal stress of benthic organisms who inhabit intertidal areas. This stress could potentially cause them to migrate to the North along the East and West coast of the U.S. to colder waters.

Odonata

Sympetrum

Identification, microscopic imaging of wings and hamules landmarking, and 2-D digitizing of dragonflies ( ).

Exploration of the parameters involved in creating a successful burrowing model to test analgesic efficacy in a more clinically relevant assay that is comparable to human chronic pain.

Identifying the recruited proteins during kappa opioid receptor (KOR) activation could lead to the development of a drug that's able to activate a signaling pathway that treats chronic pain without creating dysphoria. We thus attempted to identify these proteins using co-immunoprecipitation/proteomics and pooled shRNA screen approaches.

The mu opioid receptor (MOR) is the main target for drugs to treat chronic pain, which often produce severe side effects. This project focuses on how the protein Annexin A4 (ANXA4), a phospholipid protein that causes a reduction in mobility of transmembrane proteins, regulates MOR signaling and opioid induced behavior in hopes to design functionally selective drugs to reduce the negative side effects of opioid drugs.

Phosphatidylethanol amine-binding protein (PEBP) is a potential regulator of mu-opioid receptor (MOR) signaling. Through identifying the mechanisms of PEBP regulation of the MOR in this study using PEBP knockdown by siRNA and measuring changes in MOR signaling, we can help find a new strategy to create novel analgesic drugs that will help alleviate pain without the side effects and drawbacks of typical opioids.

Migraine is a debilitating neurological problem whose mechanisms of pathophysiology are still unknown. We hypothesize that blood-brain barrier integrity is mediated through the modulation of the 5-HT 1B/1D receptor.

Our lab generated Klf7 conditional knockout (CKO) mice that specifically lack Klf7 in the projection neurons of the forebrain. Analysis of Nissl stained brain sections showed structural differences in three major brain regions, but thus far we have observed no significant difference in the baseline responses of CKO mice compared to controls in behavioral tests.

	Room 207	Room 208	Room 210	Room 212
1:00-:05				

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Leptin is an adipocyte-derived hormone that acts on the hypothalamus to suppress food intake and increase energy consumption. Current research shows that adiposity levels have an influence on fertility. Our presentation aims to elucidate the effects of both high and low leptin levels on reproductive function in women.

An analysis of an original modification to the firefighter problem influenced by the process of metastasis.

This presentation will focus on the causes of placenta previa, a condition where the placenta blocks the neck of the uterus either partially or completely, interfering with the delivery of a baby. The three main causes that will be examined include whether the child being born is not the first child (second child), surgical procedures on the uterus, and teratogens including alcohol and tobacco.

Betta splendens

Female Betta Fish were tested in three conditions: familiar, unfamiliar, or mirror. Their behaviors were observed to determine if the fish performed particular behaviors when exposed to a familiar or unfamiliar individual or when exposed to a mirror image of themselves.

Poecilia reticulata

Guppies have a well documented sensory bias for the color orange. Additionally, guppies are a highly social species that have a preference for shoaling with members of the same species. This study investigates the preference for spending time near an orange stimulus versus a shoal of conspecifics to determine which preference is stronger.

Common Guppy behaviors were studied to see how they are affected by varying light regimes.

Hippocampus comes

This research examines anchor preference and social behaviors observed in captive Tiger Tail seahorses ( ).

Decary Room 210

What is big data and how can it be used for HR decision making?

Help Synernet, a local Portland health services provider, develop and maintain their social media resources to build brand recognition and awareness.

Our research team examined the psychological and autonomic effects of art making on college-aged students one week before final exams. Heart rate variability and the STAI- State Inventory were used to quantify sympathovagal tone, which was related to the participants' levels of anxiety.

I examined whether attachment style predicted if participants would use Facebook as a way to seek interpersonal connections following daily conflict. Results revealed that individuals high in attachment avoidance were most likely to use Facebook after conflict as a way to indirectly fulfill connectedness goals. However, increased Facebook use at night for individuals high in attachment avoidance predicted decreases in feelings of self-worth on the following day.

This presentation focuses on the songs, "Can't Buy Me Love" by the Beatles and "Money" by Pink Floyd. These songs were chosen for the underlying economic issues present in their lyrics. We will analyze popular songs using economic theory and literary criticism.

Decary Roo m 2 1 2

Phocavitulina

My research examines the vocalizations of harbor seal pups to determine how unique individual pups' vocalizations are, what aspects of the calls are similar across the pups, and which are unique. I also studied whether there are any consistent differences between male and female pup vocalizations and if the pups' vocalizations change as they mature.

Carcinusmaenas

A study of stress physiology of the invasive European green crab through both whole animal and molecular methods to better understand these organisms that have severe ecological impacts.

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Determining the fate of larvae is important for an understanding of populations of crabs. In this study, the trajectories of larvae originating in four different locations in the Delaware Bay are simulated in the ecom3d hydrodynamic model program in different selected locations. The effects of winds from four different directions are examined. Results from this study will tell us possibilities of settlement positions of adult crabs.

Gadus morhua

Despite repeated decreases in commercial harvest, Atlantic Cod populations in the Gulf of Maine remain severely depressed. This study will investigate the potential impact of recreational fishing on cod stocks and evaluate its implications for fisheries management.

1:00pm-2:00pm

15th Annual Student Research Symposium

Alfond Forum Meeting Rooms 23 0 & 231

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The presentation will discuss art as a modality for assessing barriers to health as well as empowering community members to create collective strategies for change. Displayed pictures will reflect the development of cultural competency, recognizing community members as experts of their environment, and exploring alternative means to health literacy.

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The Interprofessional Student Advisory Team is utilizing longitudinal survey-based research to assess the perceived student value of the 2014 IPSAT Case Competition and the Institute for Healthcare Improvement Open School Basic Certificate perquisite for competition participation.

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Social work researchers interviewed five inmates at Maine Correctional Center for a qualitative study. They present findings about how the inmates understand their experience and discuss