

### THURSDAY, APRIL 16, 2020 | 1-4PM

To join the event, visit: https://rainbowcenter.uconn.edu/rainbowgraduate-students-young-professionals/

HOSTED BY: RAINBOW CENTER GRADS & YOUNG PROFESSIONALS GROUP





AGENDA Thursday, April 16th, 1pm-4pm **OPENING REMARKS** 1:00 pm Steven Feldman (he/him/his), Rainbow Center Graduate Assistant M.A. Higher Education & Student Affairs **GYUJIN KIM** 1:10 pm M.S. Athletic Training (she/her/hers) The Effects of Cold Water Immersion and Whole Body Cryotherapy on Muscle Damage and Inflammation Control JESSICA A. MARTIN 1:40 pm PhD Chemistry (she/her/hers) Graduate Student-Led Laboratory Safety Teams: Measuring Efficacy **ROBERT ZATRYB** 2:10 pm PhD German Studies (he/him/his) The Image of Homosexual Men in Modern German Cinema 2:40 pm **10-MINUTE BREAK** ANNA MARIE LACHANCE 2:50 pm PhD Chemical Engineering (she/her/hers) One-Step Co-Assembly of Nanocomposite Coatings on Thin-Film Substrates for Vapor Barrier Applications ALBERTO CIFUENTES, JR. 3:20 pm PhD Social Work (he/him/his) "Sex Work is a Regular Ass Job!": Examining the Effects of SESTA/FOSTA on Sex Workers

\*\*\*Times listed are estimates and are subject to shift.\*\*\*



#### **GYUJIN KIM**

M.S. Athletic Training (she/her/hers)

#### <u>The Effects of Cold Water Immersion and Whole Body</u> <u>Cryotherapy on Muscle Damage and Inflammation Control</u>

Bio: Gyujin Kim is a first-year master's student in the Athletic Training program. Originally from South Korea, her passion is to guide athletes to make the best of their potential. She developed interests in athletic training while working as a beach volleyball team manager at Stetson University, Florida. She is also a student ambassador representing UConn in the National Athletic Trainers' Association. Her current clinical site is UConn Athletics.

Synopsis: Cryotherapy, specifically cold water immersion (CWI), is often used to facilitate recovery in athletic settings. While the effect of cold on recovery is questioned, whole body cryotherapy (WBC), using extremely cold air in a chamber, is growing in popularity. This presentation aims to share the effects of CWI and WBC especially on recovery from muscle damage and inflammation after high-intensity physical activity. Five articles including two meta-analyses were selected and reviewed. Both CWI and WBC can slightly improve the delayed onset of muscle soreness (DOMS), however, their effect on physiological measurements such as creatine kinase, interleukin-6, and C-reactive protein is unclear. It is concluded that an athlete might use CWI and WBC to reduce DOMS but should be aware that it is not the only and optimal recovery method.



PhD Chemistry (she/her/hers)

#### <u>Graduate Student-Led Laboratory Safety Teams:</u> <u>Measuring Efficacy</u>

Bio: Jessica A. Martin graduated with her B.A. in chemistry from Heritage University in Spring 2016. During this time, she worked on codling moth genetics at the YARL of the USDA with Dr. Steve Garczynski for 3.5 years. She is now completing her PhD in chemistry in the Pinkhassik Lab with her thesis focused on studying the graduate student-led lab safety team movement as a tool to strengthen academic research lab safety culture and for the professional development of future chemists.

Synopsis: When Dow Chemical introduced the concept of graduate student-led lab safety teams (LST) building safety culture from the bottom up in academic chemical research laboratories in 2012, it sounded like a progressive, commonsense approach. Over the last eight years, the movement has spread to universities in double digit numbers and is adding new members all the time. The next step in this growth is building ways to measure efficacy for three main reasons. First, existing teams can figure out what strategies are most efficacious and drop strategies that are not. Second, those looking to establish new teams can focus their efforts on strategies with previously proven efficacy. Third, this data will help would-be LST founders build the case for the time and money investment by their respective schools in such teams. At the University of Connecticut, strategies to measure the effectiveness of its LST activities are being developed for Safety Moments, Peer Laboratory Walkthroughs, and Safety Days. These measurement tools and initial data will be discussed.



**ROBERT ZATRYB** 

PhD German Studies (he/him/his)

#### The Image of Homosexual Men in Modern German Cinema

Bio: Robert Zatryb is currently a PhD student in German Studies. He graduated in 2012 from the University of Warsaw, Poland with a MA in Applied Linguistics. His M.A. thesis delivered a portrayal of homosexual men in contemporary German cinema. His academic interests include Methodology of Teaching Foreign Languages, Translation, and Modern Queer Cinema.

Synopsis: The undertaken analysis of homosexual protagonists by means of certain indicators will contribute to the emerging of the image of gay men provided by the German cinema. The analysis encompasses the following features: age, appearance, socioeconomic status, marital status, sexual characteristic, relations with family members and with people within their social environment. Subsequently, the analysis of the homosexual protagonists' behavior in the sexual and emotional areas will be presented, followed by description of acts of aggression conducted and suffered by gay characters.



**ANNA MARIE LACHANCE** 

PhD Chemical Engineering (she/her/hers)

#### <u>One-Step Co-Assembly of Nanocomposite Coatings on</u> <u>Thin-Film Substrates for Vapor Barrier Applications</u>

Bio: Anna Marie is a PhD student working in Dr. Luyi Sun's lab in the Department of Chemical Engineering. Her work is related to thin-film fluid mechanics and nanosheet co-assembly for use in high-barrier polymer nanocomposites. One of the applications of this body of work is compostable plastic films for consumer packaging materials. Anna also studies engineering education and is starting a new outreach program on campus, "Queer Science," which is a science demo day for queer & trans youth.

Synopsis: An organoclay nanocomposite polymer coating was used to improve the mechanical & gas barrier properties of thin plastic substrates. Often used as the material for food packaging, polyolefins (BOPP, LDPE, & HDPE) and polylactic acid (PLA) have only moderate water vapor transmission rate (WVTR) and high oxygen transmission rate (OTR), leading to widespread food spoilage. In a facile, scalable dip coating process, a coating layer consisting of a polyvinyl alcohol (PVA) matrix and highly-oriented montmorillonite (MMT) nanosheet fillers exhibits exceptional mechanical properties, barrier properties, and visible light transmittance. Chemical crosslinking can also be used to induce even lower vapor permeability. Due to the incredible performance, ease of application, and versatility for chemical modification, this coating technology is highly applicable to the field of food packaging technology.



ALBERTO CIFUENTES, JR.

PhD Social Work (he/him/his)

#### <u>"Sex Work is a Regular Ass Job!": Examining the Effects of</u> <u>SESTA/FOSTA on Sex Workers</u>

Bio: Alberto Cifuentes, Jr., is a licensed social worker in the State of Connecticut. He has been a community organizer and advocate for underrepresented populations for over 15 years. He is currently a Health Policy Research Scholar (HPRS), a Robert Wood Johnson Foundation fellowship supporting doctoral students whose research and leadership advances policy towards a Culture of Health. Alberto's research focuses on developing inclusive and equitable policies and practices for commercial sex workers.

Synopsis: Sex work is usually associated with trauma, substance abuse, risky sexual behavior, and other negative health outcomes; however, is the relationship between sex workers and their health outcomes simply a product of the sex trade or, more accurately, a symptom of pervasive structural inequities impacting marginalized populations, especially transgender women, immigrants, and people of color? The Allow States and Victims to Fight Online Sex Trafficking Act of 2017 (SESTA/FOSTA) was intended to curb online sex trafficking and facilitate the arrest of traffickers, but little evidence-based research has been produced to comprehensively examine the widely reported harmful effects of this law on the health, safety, and rights of sex workers. According to most sex workers and sex workers' rights advocates, this law has endangered the lives of sex workers by pushing sex trafficking further underground and limiting law enforcement's ability to arrest sex traffickers, pimps, and other sexual exploiters. This presenter will argue that to protect the safety and welfare of those who are trafficked as well as those that consensually engage in sex work, Congress needs to formally assess the effects of SESTA/FOSTA on all sex workers, especially those that willingly participate in the sex trade.



MORE INFORMATION

https://rainbowcenter.uconn.edu

### How to Get Involved:

Sign up for the Rainbow Center Grads & Young Professionals Newsletter by scanning the QR Code or visiting: https://rainbowcenter.uconn.edu/rainbow-graduate-students-young-professionals/





### UConn Rainbow Center

Student Union 403 Open Mon-Fri, 9am - 8pm Phone: 860-486-5821 Email: rainbowcenter@uconn.edu



UConnRainbowCtr



UConnRainbowCtr



UconnLGBTGrads



UConnRainbowCtr