

**GRADUATE COLLEGE
REBEL RESEARCH AND
MENTORSHIP PROGRAM**

**CONGRATULATIONS TO OUR
INCOMING COHORT
2016-2017**

MOINAK BHADURI



Moinak Bhaduri is a fourth year Ph.D. student in the Department of Mathematical Sciences, working under the supervision of Dr. Chih-Hsiang Ho on novel applications of non-parametric statistical methods to problems emerging from point processes and repairable systems. Specific interests include development of tests to choose simple parsimonious models to predict rare events and an understanding of the interaction between two related Poisson-type processes. Potential case studies should examine the evolution of a process over time and could include examples from biology, engineering, weather science, finance, geology, etc.

ALEX DEEHL



Alex Deehl is an alumnus of the University of Nevada, School of Life Sciences. Alex is alongside fourth year Ph.D. student Moinak Bhaduri underneath Dr. ChihHsiang Ho. The two will work in collaboration to further investigate whether mortality rates for leukemia between men and women are related. In the past, Alex has worked on applications of linear statistical models to model mortality rates due to cancer and would like to delve deeper with additional covariates. Alex is very excited not only to apply in-depth statistical analysis to cancer but to also to inspire others from their research.

SANJANA DAS



Sanjana Das is a Ph.D. candidate and Officer at the Society of Women Engineers, University of Nevada Las Vegas. She is currently working under Professor Biswajit Das on an NSF funded project for waterless cleaning of solar cells using nanotechnology. Prior to joining UNLV, Sanjana successfully completed her Masters in Nanotechnology from SUNY Albany. She was also an intern with Tokyo Electron America R&D center at Albany for more than a year. Prior to coming to the US, Sanjana worked as an intern at National University of Singapore.

STEPHANIE SILIC



Stephanie Silic is an undergraduate student in the Department of Electrical and Computer Engineering. She will be graduating in the spring with a Bachelor of Science in Electrical Engineering. Her focus and interests are in electronics and IC design, control systems, and solid state devices and nanotechnology. She is also currently working with a team on a senior design project in the area of power electronics. She will be working with graduate student Sanjana Das.

JEFF EGGLESTON



Jeff Eggleston is a first-year Ph.D. student in the Kinesiology and Nutrition Sciences Department, supervised by Dr. Janet Dufek. His research interests are examining movement characteristics in children and adults with chronic disabilities and working with clinicians to develop more appropriate rehabilitative interventions for specific disabilities. Jeff's purpose in furthering knowledge within these populations is to improve rehabilitation outcomes and improve individuals' quality of life.

LUIS FLORES



Luis Flores is a 4th year undergraduate student in the Kinesiology and Nutrition Sciences Department. He will be working with graduate student Jeffrey Eggleston. He has worked in the motor learning and performance laboratory under Dr. Gabriele Wulf and doctoral student, Takehiro Iwatsuki. He has also received the IDeA Networks of Biomedical Research Excellence (INBRE) scholarship for 2015 and 2016 working under Dr. John A. Mercer. He is interested in conducting research with clinical populations and obtaining his Doctor of Physical Therapy from UNLV.

MIEKO MAMAUAG



Mieke Mamauag is an undergraduate student in the Department of Kinesiology and Nutrition Sciences, pursuing her professional career as a Doctor of Physical Therapy. Her research is to examine the influence of backpack weight on trunk and stride kinematics among children with Autism Spectrum Disorder, under her Mentor Jeff Eggleston, and Faculty Mentor Dr. Janet Dufek. The ultimate research goal is to establish maximum weight guidelines in this population.

JANELLE EVANS



Janelle M. Evans graduated summa cum laude from Arizona State University, with a bachelor's degree in Creative Writing. She is currently a teaching graduate assistant at the University of Nevada Las Vegas (UNLV) while pursuing her Master of Fine Arts degree in Writing for Dramatic Media. In addition to writing novels, Miss Evans is an avid enthusiast of screenplay, and short story writing. She was thrilled to place in the top ten percent of last year's Austin Film Festival.

RYAN FOWLER



Ryan Fowler is a junior in the film department. His passion for all things arts has led him to pursue film as a way to express himself through storytelling. He is being mentored by Janelle Evans, and has achieved high honors in his college career thus far. He hopes to make the world a better place using film for allegorical tales and documentaries.

YULIA GAVRILOVA



Yulia Gavrilova is a fourth-year Clinical Psychology Ph.D. student, supervised by Dr. Brad Donohue. She is Program Coordinator at UNLV's Family Research & Services, which focuses on the development and evaluation of behavioral interventions to assist performance optimization.

Yulia's dissertation research will focus on examining the efficacy of two interventions to improve motivation for health behaviors that are low in motivation, such as exercising, healthy eating, and avoiding smoking or alcohol.

MICHAEL BRICKER



Michael is a senior seeking his B.A. in Psychology. His research interests are in sport psychology and addiction treatment theories. Michael's mentor is Yulia Gavrilova, a Ph.D. student that is supervised by Dr. Brad Donohue. The topic for RAMP will be "motivation." Michael hopes that working with Yulia and Dr. Donohue he will be better prepared for graduate school at UNLV.

TIM WATERS



Tim Waters is in his last year of a Ph.D. program in the department of Physics & Astronomy, studying astrophysics under Daniel Proga. He has a Bachelor's degree in physics from Occidental College as well as Master's degrees in applied mathematics and physics, both from UNLV. His research is focused on understanding the environments of luminous supermassive black holes. This effort typically involves performing numerical simulations on UNLV's supercomputers, Eureka and Cherry-Creek.

CODY MCKEON



Computer Science Undergraduate working under Tim Waters to visualize astrophysical simulations in 2D and 3D models. To do so effectively a supercomputing platform (Cherry-Creek) is needed to compute the complex calculations. He will gain an understanding of producing 3D visualizations of astrophysical fluid dynamics leveraging UNLV's computing resources and various visualization tools.