

Nancy M. Solano

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EDUCATION

PEPPERDINE UNIVERSITY; MALIBU, CA – MAY 2014

SPORTS MEDICINE, B.C.; GPA: 3.879, MAGNA CUM LAUDE

- **Honors:** Dean's Scholarship for Academic Excellence (2010-2014); Golden Key International Honor Society (2011-present); Phi Eta Sigma National Honor Society (2010-present)
- **Relevant Completed Coursework:** General Chemistry I & II, Cellular Biology, Calculus I, II, & III, Anatomy, Physiology, Exercise Physiology, Physics I & II, Biostatistics, Musculoskeletal Anatomy, Exercise Health & Disease, Neuroscience, Elementary Organic Chemistry, Biomechanics, Math Methods of Physics, Introduction to Computer Programming in C++

RESEARCH EXPERIENCE

PEPPERDINE UNIVERSITY; MALIBU, CA – SEPT. 2014 TO PRESENT

RESEARCH ASSISTANT UNDER DR. COOKER PERKINS STORM, PH.D., EXERCISE PHYSIOLOGY

- Conceptualized and collaborated on three fore-thinking research projects exploring morphological and neurodevelopmental outcomes of offspring of mother-child pairs engaging in resistance exercise during pregnancy
- Projects included:
 - A case study follow-up involving two mother-child pairs that participated in CrossFit during pregnancy
 - A retrospective study of approximately 150 mother-child pairs internationally that participated in CrossFit during pregnancy
 - A meta-analysis of all literature published involving resistance exercise and pregnancy (manuscript in progress)
- Drafted Institutional Review Board proposals, coordinated research team meetings and delegation of tasks amongst members, conducted advanced searches using PubMed and Scopus databases, examined past literature for relevance and applicability to new studies
- Coordinated speaker-driven summit on fetal origins and epigenetics to facilitate conversation among leading scientists in the field; proposed date: April 2015

PEPPERDINE UNIVERSITY; MALIBU, CA – MAY 2013 TO OCT. 2013

RESEARCH ASSISTANT UNDER DR. KEN HENISEY, PH.D., PHYSICS

- Utilized a fusion of sports medicine and physics to model physical and mechanical limitations of the human body in CrossFit's deadlift with the goal of determining a fair standard of competition for the CrossFit games
- Conducted extensive literature review in the fields of anthropology, biomechanics, and public health; identified relevant information from over 50 years of publications in the field; summarized and synthesized information from multiple articles
- Incorporated public health significance in the comparison of self-reported data from over 80,000 CrossFit participants to both national and international norms of physical fitness measures

PEPPERDINE UNIVERSITY; MALIBU, CA – JAN. 2013 TO SEPT. 2013

RESEARCH ASSISTANT UNDER DR. PRISCILLA MACRAE, PH.D., EXERCISE SCIENCE

- Investigated the effects of exercise and functional movement on cognitive function within older adults
- Performed extensive literature reviews in the fields of neuroscience, cognitive function, and exercise; manipulated and compiled data using Excel; drafted Institutional Review Board proposals, grant proposals, and calendar layouts for the study participant involvement

PEPPERDINE UNIVERSITY; MALIBU, CA – MAY 2012 TO APRIL 2013

RESEARCH ASSISTANT UNDER DR. COOKER PERKINS STORM, PH.D., EXERCISE PHYSIOLOGY

- Expanded definition and concept of “purpose” within Pepperdine University’s mission statement and applied findings to the University curricula

TEACHING EXPERIENCE

PEPPERDINE UNIVERSITY; MALIBU, CA – SEPT. 2014 TO PRESENT

CLASSROOM APPRENTICE IN HUMAN ANATOMY UNDER DR. COOKER STORM, PH.D., EXERCISE PHYSIOLOGY

- Prepared classroom for recitation periods, involving assessment and prioritization of material to be covered, development of lesson plans, and generation of appropriate PowerPoints and in-class materials
- Led classroom of 3-12 students in deepening an understanding of introductory anatomy and physiology on a weekly basis
- Tutored individual students in advanced concepts of anatomy and physiology
- Participated in exam administration, answer key generation, grading, and other educational duties

PEPPERDINE UNIVERSITY; MALIBU, CA – JANUARY 2013 TO DECEMBER 2014

DELTA GAMMA FRATERNITY – VICE PRESIDENT MEMBER EDUCATION

- Provided the resources for members to become familiar with the Fraternity Constitution, history, ideals and standards, as well as the privileges and responsibilities of lifetime membership in Delta Gamma
- Facilitated a continuous education program for new members with an emphasis on scholarship, rituals, and human relations, and an ongoing education experience for initiated members
 - Incorporated nine weeks of educational meetings developed and facilitated by the VP member education, requiring preparation involving creation of PowerPoint presentations, coordination of guest speaks, and customization of meetings based on the learning styles of the 29 new members

PEPPERDINE UNIVERSITY; SUVA SUVA, FIJI – MAY 2012, EXPECTED MAY 2015

STUDY ABROAD PROGRAM PARTICIPANT

- Coordinated and facilitated classes kindergarten through sixth grade, teaching nutrition and exercise science
- Served daily at a medical clinic, observed multiple cataract surgeries, triaged patients independently, learned involved medical filing software

PUBLICATIONS

Perkins Storm, C.C., White, E., & Kern, K.L. (2014). *A meta-analysis of resistance exercise and pregnancy*. Manuscript in preparation.

Perkins Storm, C.C., & Kern, K.L. (2014). *Effects of high-intensity, resistance exercise during pregnancy on child's health five years post-birth*. Manuscript in preparation.

LEADERSHIP AND UNIVERSITY SERVICE

PEPPERDINE UNIVERSITY; MALIBU, CA – AUGUST 2013 TO MAY 2014

PEPPERDINE AMBASSADORS COUNCIL: SECRETARY

- Acted as liaison between University, alumni, administration, and greater Malibu community
- Selected as keynote speaker at Pepperdine VP Advancements' Fall Musical Dinner, giving an address entitled "On Role Models and Mentorship"

PEPPERDINE UNIVERSITY; MALIBU, CA – JANUARY 2013 TO DECEMBER 2014

STUDENT WORKER FOR THE SENIOR VICE CHANCELLOR & DEAN EMERITUS, PEPPERDINE SCHOOL OF LAW

- Organized all communication between the Dean and Pepperdine University's expansive network of donors
- Represented the campus-wide student body through both public speaking and intimate conversation at large donor events

PEPPERDINE UNIVERSITY; MALIBU, CA – JANUARY 2013 TO DECEMBER 2014

HOUSING AND RESIDENCE LIFE: RESIDENTIAL ADVISOR

- Participated in leadership training involving identification of strengths, mediation skills, and other important facets of beneficial communication expertise
- Served as a resource and advocate for 50 female residents in order to communicate student concerns, strengthen student-faculty relations, and promote student well-being
- Developed strategic programs and organized group activities for students, including weekly discussion groups

SKILLS

- **COMPUTER:** Advanced knowledge of Mac, PC, Microsoft Office, iWork, and Raiser's Edge; working knowledge of C++ language
- **LANGUAGE:** Good oral skill and advanced written skill in French language