**Permanent Address:**

210 Haddon Hollow Ct.

Middle Island NY 11953

**Jasmin Strong**

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jasmin.strong89@gmail.com

**Campus Address:**

**Education**

**University of Southern California, Division of Biokinesiology and Physical Therapy Los Angeles, CA**

 **Masters in Science** | Masters in Biokinesiology with Emphasis in Sports Science *May 2022*

**Cornell University, College of Agriculture and Life Sciences Ithaca, NY**

**Bachelor in Science** *Cum Laude*| Biological Sciences, Genetics and Genomics Concentration *May 2020*

Minors: Nutrition and Health, History

 GPA: 3.517 **|** Dean’s List (4 Semesters)

**Universidad Pablo de Olavide *Sevilla, Spain***

Hispanic Studies Program| GPA: 3.7 *Spring 2019*

**Relevant Coursework**

General Sports Psychology • Health, Healing and Culture: An Introduction to Medical Anthropology • Investigative Biology Lab • Laboratory in Genetics and Genomics • Population Genetics • Advanced Genetics and Genomics • Human Anatomy and Physiology • Biochemistry • Experimental Organic Chemistry Lab • Introduction to Statistics for the Biological Sciences• Nutrition and Global Health• Nutrition, Health, and Society • Nutrition and the Life Cycle

**Professional Experience**

**Hernandez Lab, Meinig School of Mechanical Engineering*, Research Assistant*  *January 2018- May 2020***

* Utilize the bioinformatics program Qiime2 and RStudio (phyloseq) to conduct data analysis using 16s rRNA sequences from the microbiota in mice in efforts to see microbiome effects on the characteristics of the musculoskeletal system.
* Dissect, handle, and care for multiple mice involved in various research projects conducted in the lab.
* Attend lab meetings to report on current research and present the progress of my projects in order to collaborate and receive constructive feedback.
* Wrote a Standard Operating Procedure for QIIME2 and PICRUSt, microbiome analysis statistical software, in order to share the techniques with other undergraduates in the lab and other lab collaborators.

**Cornell University Athletic Training & Sports Medicine, *Observer*  *September 2018- Spring 2020***

* Observe daily routines of an Athletic Training office, including taping, treatment, and general first aid
* Watch the initial assessment of athletic injuries and inquired about treatment options, learning different exercises to deal with specific injuries.
* Shadowed Orthopedic Surgeons during their appointments with injured athletes, learning assessment techniques, MRI readings, and the nature of sports injuries.

**CALS Student Services, *CALS Peer Advisor*  *January 2018- May 2020***

* Communicated effectively with parents, students and other Cornell faculty in person or over phone to address their needs, field their questions, and to undertake their concerns
* Collaborated with professional staff on variety of program initiatives in order to improve services for CALS students.
* Provided career support to CALS Students through resume, cover letter, and LinkedIn critiques.

**Eastern Suffolk BOCES, *Special Education Aide June 2019 – August 2019***

* Entrusted as an individual aide to a special education student to engage and support student, and assist the student in achieving their learning and behavioral goals.
* Collaborated with other teaching staff in room to create lessons and make sure the needs of the children were successfully met.
* Built up a constructive rapport with students in my classroom promoting trust and enabling me to create a safe environment for social development.

**Maryhaven Center of Hope, *Direct Support Professional* *June 2017- Jan 2018***

* Assisted in day-to-day care and education of developmentally disabled adults, engaging them in activities and promoting a greater understanding, as well as supporting them during community outings and field trips.

**Publications**

Luna, M., Guss, J.D., Vasquez-Bolanos, L.S., Alepuz, A.J., **Strong, J.,** et al., **“Obesity and Post-traumatic Osteoarthritis in the Absence of Fracture or Surgical Trauma.” *Journal of Orthopaedic Research*. 2020 Jul 13.**

Castenda, M., **Strong, J.,** et al., **“The Gut Microbiome and Bone Strength.” *Current Osteoporosis Reports*. 2020 (Accepted)**

Luna, M., Guss, J.D., Vasquez-Bolanos, L.S., Castaneda, M., Rojas, M.V., **Strong, J.,** et al.,**, “Selective removal of components of the gut microbiome has differential effects on bone strength.” *Journal of Bone and Mineral Research*. 2020 (In preparation)**

**Conference Proceedings**

Luna, M., Guss, J.D., Vasquez-Bolanos, L.S., Alepuz, A.J., **Strong, J.,** et al., **"Early Joint Degeneration After Mechanical Overload is Not Sensitive to Obesity." Orthopaedic Research Society Annual Meeting, 2019, Austin, TX.**

**Campus Involvement and Leadership Roles**

**Biology Student Advisor, Office of Undergraduate Biology  *Fall 2019 - Spring 2020***

Provide academic support and advice to 6 freshman Biological Science majors guiding their transition in college. Hold weekly office hours and host biology related events across campus

**Biology Scholars Program *Fall 2016 – Spring 2020***

**Cornell Women’s Club Rugby *Fall 2016 – Spring 2020***

***Marketing and Alumni Relations Chair*** **(*Spring 2016 – Fall 2017)***

Organized fundraising events to increase club funds by coordinating with alumni and on campus officials.

***Forward’s Captain (Spring 2017 – Fall 2018)***

Actively recruited new members, increasing team numbers by over 100%, bringing the team back from the verge of having inadequate numbers to compete • Fostered a cohesive, fun, and supportive team environment by concentrating on competition but also friendship, increasing retention rates and the sense of team unity • Coordinated weekly practice schedule and practice itinerary with co-captain and coach creating plans to best increase skills and knowledge of game.

***President* (*Fall 2019*)**

Communicating with our alumni network, Faded Red, players, coach on future goals of team, acting as a liaison between alumni, players, and Cornell • Assist Treasurer on semester budget, ensuring we have funds to travel to and host games and maintain/buy equipment needed

**Learning Strategies Center Biology Tutor**  ***Fall 2018***

 Provided additional academic support in introduction biology courses to students.

**Pi Beta Phi Fraternity for Women Spring *2017 – Spring 2020***

 ***Policy and Standards Board Chairwomen (Spring 2018-Fall 2018)***

Responsible for risk management for events such as social mixers and formal events. • Organized safety monitors and gave trainings about member expectations and rules in accordance with Nationals Guidelines and Standards • Worked alongside Chapter VP of Administration and Chapter President to hold Standards meetings.

**Skills**

Proficient in R and Qiime • Proficient in Microsoft Word, PowerPoint, and Publisher • Intermediate Level in Spanish