



Jessica Bosch and Leslie Chadwick  
Instructors - Project Lead the Way Biomedical Sciences

January 2019,

Dear Parents of Prospective Biomedical Pathway students,

My name is Leslie Chadwick, I currently teach the Honors Project Lead the Way Biomedical Program. This pathway has 4 courses with students beginning in 9<sup>th</sup> grade and completing the program as a senior. The courses are Principles of Biomedicine, Human Body Systems, Medical Interventions and Biomedical Innovations. This is a cutting edge course that aligns with Common Core & NGSS (Next Generation Science Standards) to prepare students to become the most innovative and productive leaders in Science, Technology, Engineering, and Mathematics (STEM) and to make meaningful, pioneering contributions to our world with rigorous, relevant STEM education. Through engaging, activity project based learning, PLTW encourages the development of problem-solving skills, critical thinking, creative and innovative reasoning and a love of learning. For more details, please see the websites below.

<http://uchsbiomed.weebly.com/>

<https://www.pltw.org/our-programs/biomedical-science/biomedical-science-curriculum>

The capstone course, Biomedical Innovations (BI) focuses on project-based learning. The course is composed of seniors who have completed the pathway and enter as seniors. The goal of BI is to expose the students to a clinical area and introduce them to careers in biomedicine. Currently, we are partnered with Scripps Hospital, UCSD, Veterinary Animal Clinic, Scripps Clinics, UCSD Medical Center, The Scripps Research Institute and The Veterans Medical Center. These students attend clinical rotations 2<sup>nd</sup> semester of their senior year through multiple departments 2 days a week for 2-3 hours. There is a separate application process to be able to secure an internship.

To complement our biomedical pathway, we also offer a HOSA club. HOSA—Future Health Professionals is a club at UCHS that all Biomed students are strongly encouraged to join! Our chapter is part of an international program that encourages leadership, communication and competition between students in Health Sciences. HOSA is a great way to compliment what the student is learning in PLTW & to help students build community with one another and work toward personal goals. Please review the HOSA website for more information.

<http://hosa.org/node/244>

Please do not hesitate to contact either of us with any further questions or concerns.

Sincerely,

Leslie Chadwick  
University City High School  
<http://uchsbiomed.weebly.com/>  
[lchadwick@sandi.net](mailto:lchadwick@sandi.net)  
Work: 858.457.3040 x132

Jessica Bosch  
University City High School  
[jmartin2@sandi.net](mailto:jmartin2@sandi.net)  
Work: 858.457.3040x133