

Biology



Delve deeper into the natural world as you explore living systems, both human and non-human, in the lab and the field.

Work closely with Christian professors who introduce you to creative and rigorous scientific investigation in a classroom that includes the mountains, the coast and the Channel Islands. Through coursework and independent research, you learn laboratory techniques and field methods. You may even conduct advanced research with faculty and fellow students. Professors integrate biology and faith and discuss issues related to science, ethics and culture. Rigorous study combined with personal attention prepares you for rewarding and challenging work in the lab and the environmental, biotech and health fields.

SELECTED COURSES

- Physiology
- Marine Biology
- Behavioral Ecology
- Biology and Faith
- Molecular Biology
- Genomics and Bioinformatics

CAREER PATHS

- Teaching (elementary, secondary and college)
- Health sciences (M.D., P.A., nurse practitioner, D.O., dentist, chiropractor)
- Public health (epidemiology, policy, education, research)
- Forensics
- National Park Service (park ranger, fish and wildlife biologist)
- Ecology and conservation biology
- Biotechnology

FACULTY HIGHLIGHTS



STEVE JULIO, PH.D.

His team's discovery and characterization of a genetic switch in the bacteria that causes whooping cough may lead to better therapies.



BETH HORVATH, M.S.

She is an invertebrate zoologist working with Eastern Pacific gorgonian corals who loves spending time exploring tide pools up and down the West Coast.



LAURA DRAKE SCHULTHEIS PH.D.

She studies plant ecology, exploring avenues of restoration for chaparral plants suffering the impacts of disease, drought and fire.



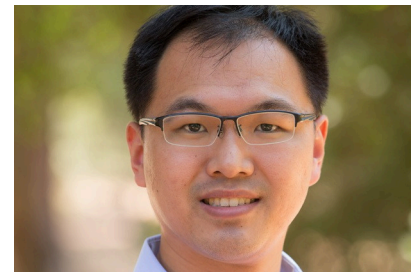
JEFF SCHLOSS, PH.D.

He is an internationally known expert on the biology of love and religious belief.



AMANDA SPARKMAN, PH.D.

She studies how snakes and lizards alter their behaviour, physiology, and life history to specific ecological challenges.



YI-FAN LU, PH.D

His research has contributed to Zika antiviral drug development and modeling of human neurological disorders.

OPPORTUNITIES OFF CAMPUS



- Westmont's Global Health Uganda
- Organization for Tropical Studies: Tropical Diseases, Environmental Change and Human Health, Costa Rica
- Creation Care Studies Program, Belize, Michigan, New Zealand or Washington
- Au Sable Institute of Environmental Studies

ALUMNI

Zion Shih ('21) attends Loma Linda University, where she studies Translational Medicine as an MD-PhD student, and plans to bring her work with patients into the lab to innovate and improve patient outcomes.

Margot Kulberg ('22) has been accepted to a research graduate program at the University of Iceland, studying orca whales.

Seun Alofayan ('23) is a research associate at Belharra Therapeutics, where he works on novel biotherapies that focus on drug development, medical diagnostics, and patient care.

Michael Kong ('23) works as a substance-abuse counselor in Seattle, WA, providing mental health assistance and making treatment recommendations in a criminal justice setting.



WESTMONT

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