

[U.C. Davis Students for One Health - UCD SOH](#)

[Note from Dr. Stroud: The UCD SOH just might have been the 'original' *Students for One Health* group. I know they were the first to coin the name. They started holding One Health speaking events in 2009 or earlier. You can view some of their previous events at <http://www.vetmed.ucdavis.edu/onehealth/students/events/index.cfm>. Be sure to see the expandable topics list at the bottom of that page. Though less organized, other 'student-spurred' activities were also occurring in other locations during those early days. For example: In North Carolina the One Health Intellectual Exchange Group discussion sessions that started in January 2009 were the result of student requests and initiative. Let us know of both recent and historic Students for One Health Actions at 'your' academic institution.]

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2014-2015 RECAP

Submitted by Samantha Lawton, slawton2738@gmail.com on July 1, 2015

Plans for Fall 2015:

The UCD SOH is working with our UC Davis Continuing Education department to host a [One Health Symposium](#) on August 29. This event will offer CE credit for veterinarians and CME credit for medical professionals. Participants can attend in person or via webinar.

Spring Semester 2015:

SOH Seminar Series Lunch talks: In spring 2015 we put on 5 different lunch talks on topics ranging from the impact of Prop 2 on egg production in California, the role of dogs in finding new cancer therapies for both dogs and humans, lead pollution in the wetlands of Argentina, restoration of native grasses using changes in grazing practices and cheetah conservation in Africa. Our talks were well received and we are looking forward to continuing our seminar series in the fall! The full list is below:

- 2/25: "A One Health Approach to address lead pollution from hunting in Argentina wetlands"
- 3/9: "Poultry production efficiency: Comparing Prop. 2 and other egg production systems with respect to sustainability"
- 3/23: "Dogs: (Hu)man's best friend in fighting cancer"
- 4/3: "Changing the world to save the cheetah"
- 4/14: "Arresting contagion: Science, Policy and Conflicts over Animal Disease Control"—Special Dean's Office Seminar presented by Alan L. Olmstead (distinguished Research Professor, UCD Department of Economics) in conjunction with Students for One Health

- 4/23: “Restoring native grasses through changes in cattle grazing”
- 4/27: “USDA-APHIS externships and case studies”

Project Development Workshop: In January, we held the 4th Annual Project Development Workshop to better inform students of the tools, ideas, and planning involved with project development. Our workshop included lectures and activities on project design and evaluation, grant writing, sustainability, and turning a project into a career. Thanks to some magnificent speakers - Dr. David Bunn, Dr. Paul Denney Allen, David Wolking, Elyssa Lewis, and Erin McGuire - our workshop was a great success. Next year we plan to continue sharing information (and donuts) to help students prepare for projects in the US and abroad.

International conference with University of Rwanda: There are many students in Rwanda who are interested in One Health. In February 2015 UCD SOH organized and presented at an [International One Health conference between UCD SOH and the University of Rwanda students](#). Their newly founded Students for One Health club is around 50 members strong! The connection came about through Dr. Phil Cotton who is the Principal of the College of Medicine and Health Sciences in Rwanda. He was sent to the US by the Rwandan government to learn about One Health programs. Dr. Pat Conrad at UC Davis introduced the UCD SOH students to him and the idea for a student OH conference came from there. Marguerite Kissel and Samantha Lawson worked with some Rwandan students to organize it. Both sides had a great turnout, with over 50 students participating in total. University of Rwanda had veterinary, agriculture, medical and business students in attendance. UC Davis medical and veterinary students participated. We hope to be able to build on our colleagues' inspiration and reach out to more disciplines at UC Davis. Global health issues are multifaceted and require a diverse team – we want to involve as many disciplines as possible!

Dog n Jog: The 7th annual [Dog 'N' Jog](#) in conjunction with the 3rd year vet school class was a huge success. We had 120 runners and raised over \$1200 for Students for One Health! The Dog 'N' Jog vendor fair also went really well. We had vendors from pet food companies, school clubs, student representatives, and local businesses.

Future Day: In April, we collaborated with Veterinary Student Outreach and the undergraduate UCD SOH club to put on an exciting wetlab activity for visiting high school students interested in veterinary medicine. The case scenario we devised involved a fictional community, “Fertlandia,” and the students were challenged to explore some mysterious emerging vet (sick slim jim cows), human (sour-feeling sour patch babies), and environmental health (Swedish fish kills) issues from the perspectives of veterinarians, physicians and public health professionals. They worked together to understand and address these concerns as a group, demonstrating the importance of interdisciplinary collaboration to solve larger problems. Treats and a poster of the town layout were used to help encourage student participation and visualization of the issue on an overarching scale. There was a lot of fun and learning for everyone involved!

SOH Bake Sale: There were tons of yummy baked goods and we raised around \$100 for the club—it was a definite success!

Attendance at conferences:

- SOH students presented posters at Consortium of Universities for Global Health conference in Boston and UC Global Health Day in Los Angeles
- At UC Davis Global Health Day SOH students also led break-out sessions and helped organize the event

First Students for One Health online Meeting:

On March 30, we gathered with Students for One Health groups from around the world through the inaugural International Students for One Health Meeting supported by the One Health Commission. Twenty-four schools from 6 countries were represented. Our presidents, along with representatives from Knight's Landing and the Nicaragua Project, learned about the diverse efforts and projects of the other clubs and shared our own accomplishments. It was incredibly inspiring and we picked up some great ideas!

Nicaragua Project updates (see project description below):

Plans for summer Nicaragua trip:

- Poultry production improvement pilot project (we will be working closely with 10 pilot families to improve poultry production by 10% over next year)
- A human health needs assessment will be conducted by medical and MPH students
- A communal silage chopper is being designed by UC Davis design lab students and will be implemented in the community this summer
- **Workshops planned to be held:** Poultry disease and biosecurity, Chicken Coop Workshop, Nutrition Workshop with Masters of Public Health students

Knights Landing One Health Center updates (see project description below):

- We welcomed our new Project Leaders (Jaquelyn Lauletta, Nataya Chayasriwong, Alex Pietrzyk) at the Annual Celebration with the Knights Landing Community in January
- We established a closer relationship with the new medical student Co-Directors and set up a One Health Committee Board (consisting of veterinary students, medical students, and undergraduate pre-med and pre-vet students) with regular meetings twice a month to discuss our one health clinic
- We established more organized and regular meetings with a group of community representatives twice a month and added some additional skype calls as well
- We added the FeLV vaccine and antibiotic donations and gave a nutrition discussion talk series for community education
- We were awarded the Blum grant and two \$500 grants from SAVMA and established a community approved protocol to accept any research proposals wishing to be performed in Knights Landing
- We hosted multiple health fairs on One Health concepts by the UC Davis Science Education Outreach Program undergraduate students and have begun the process of adding an undergraduate course at UC Davis that will include both pre-veterinary students as well as pre-medical and pre-nursing students. Our goal is to provide guest speakers, workshops, and case studies in a one health manner
- We worked together with the community to come up with an official name for the One Health program that is appropriate in both English and Spanish: "Knights Landing One Health Center" and "Knights Landing Centro de Salud Comunitaria"

Fall Semester 2014:

Thanks to all of its dedicated members, fall 2014 was an *exciting* semester for UCD SOH. Here is a *quick recap* of everything we've accomplished together:

- We now have 91 members
- In August, we helped the U.C. Davis Center for Continuing Professional Education put on the 1st annual [ONE HEALTH CE SYMPOSIUM](#), which was a great success!

- We hosted some *AMAZING* speakers, with a special focus on California issues:
 - 9/11: "[Ecosystem Health Impacts from Illegal Marijuana Cultivation in California](#)" , Deanna Clifford, DVM, MPVM, PhD, Assistant Clinical Professor, U.C. Davis Dept of Veterinary Medicine and Epidemiology and Veterinarian for the California Department of Fish and Wildlife
 - 10/28: "Trends in California Oil Spills"
 - 11/5: "Improving livestock reproduction, genetics and health in the Republic of Georgia and Nepal: USAID farmer to farmer projects"
 - 11/20: "Fish need healthy streams: A drought perspective on aquatic conservation"
 - 12/1: "Sustainable livestock production in California"
- We hosted our first *PLENTEA TO TALK ABOUT*, where members gathered to discuss the diverse implications behind California's burgeoning marijuana-growing industry as follow-up to Dr. Deana Clifford's September 11 talk
- We worked with the UCD Medical School's Global Health club to bring together a diverse group of experts from around the country for a JOINT EBOLA PANEL at the medical school: "[Ebola: One Health in Action-- social, political and ethical implications](#)"
- November 11, 2014 We got together to watch the [First International WHO'S WHO IN ONE HEALTH webinar](#) sponsored by the One Health Commission as it was broadcast live-- an event that brought together noted one health leaders, advocates, professionals and students in real-time to discuss global one health efforts around the world
- UCD SOH Barbeque: We ate, socialized and Mario Karted it up at the [SOH CLUB BBQ](#)-- a great chance to get to know other members and chat about current topics in One Health!
- [UCD SOH project, ONE HEALTH NICARAGUA](#), is working to bring sustainable healthcare and economic development to the people and animals of Sabana Grande, Nicaragua. The overarching mission is to foster a One Health approach to international outreach by establishing an evidence based, interdisciplinary community health project and research platform. Two members returned to Sabana Grande over winter break to meet with community leaders and share the team's research findings from June 2014, and to plan how to continue improving poultry and cattle health in the region.
- [KNIGHTS LANDING ONE HEALTH CLINIC](#) The UCD Students for One Health runs a veterinary clinic alongside a medical clinic in the underserved community of Knights Landing, California where they are fostering an ongoing discussion about One Health. The goal of the project is to improve animal health in the community, because this impacts human health and well-being. The veterinary clinic has grown and improved tremendously in the past year, from a small wellness and vaccine clinic in the parking lot outside the human medical clinic, to a busy, well-organized clinic inside the Knights Landing Community Center seeing over 70 patients per clinic, and now offering spay neuter services through the Gourley Teaching hospital. The veterinary clinic is working toward creating a permanent home in Knights Landing and creating a Knights Landing One Health board that will bridge all of the collaborators together and help oversee and manage the entire project.
- **Check out** Carolina Vicario's DVM Tales [blog post](#) about her experience enrolling in the 2014 One Health summer course in South Africa!

- Additional overview of UCD SOH can be found at <http://www.vetmed.ucdavis.edu/onehealth/students/events/index.cfm>