

Kevin Ruder, B.S.

Affiliation

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Positions

Francis I. Proctor Foundation
University of California San Francisco, San Francisco, CA
Study Coordinator/SRA2, Ralph and Sophie Heintz Laboratory
Staff Research Associate 2, Ralph and Sophie Heintz Laboratory

August 2020 – Present
August 2019 – August 2020

Washington Animal Disease Diagnostic Laboratory
Washington State University / US Fish and Wildlife Service, Pullman, WA
Diagnostic Aquaculture Microbiologist 1

July 2018 – July 2019

John Ring LaMontagne Center for Infectious Disease
The University of Texas at Austin – Whiteley Lab, Austin, TX
Undergraduate Research Assistant
Freshman Research Initiative Mentor

January 2017 – January 2018
August 2015 – May 2018

Education

The University of Texas at Austin, Austin, TX
Major in Microbiology and Infectious Disease

B.S., May 2018

Professional Narrative

I am a medical research study coordinator. I work with clinician scientists at the Proctor Foundation and abroad to design, approve, and execute clinical research studies and trials. I currently work as part of a research team in the Ralph and Sophie Heintz laboratory to recruit and consent participants, obtain ethical approvals, implement contracts, maintain finances, and process data for seven projects with over 45 international sites. In addition, I also participate in the wet laboratory to process samples for deep sequencing and develop new protocols to efficiently identify infectious agents and biomarkers for ocular inflammatory diseases.

Selected Publications

Lalitha P, Prajna NV, Gunasekaran R, Teja GV, Sharma SS, Hinterwirth A, **Ruder K**, Zhong L, Chen C, Deiner M, Huang C, Pinsky BA, Lietman TM, Doan T, Seitzman GD; SCORPIO (Seasonal Conjunctivitis Outbreak Reporting for Prevention and Improved Outcomes) Study Group. Deep sequencing analysis of clinical samples from patients with acute infectious conjunctivitis during the COVID-19 delta surge in Madurai, India. *J Clin Virol.* 2022 Dec;157:105318. doi: 10.1016/j.jcv.2022.105318. Epub 2022 Oct 5. PMID: 36242841; PMCID: PMC9534536.

Prajna NV, Lalitha P, Teja GV, Gunasekaran R, Sharma SS, Hinterwirth A, **Ruder K**, Zhong L, Chen C, Deiner M, Huang C, Pinsky BA, Lietman TM, Seitzman GD, Doan T; SCORPIO (Seasonal Conjunctivitis Outbreak Reporting for Prevention and Improved Outcomes) Study Group. Outpatient human coronavirus associated conjunctivitis in India. *J Clin Virol.* 2022 Dec;157:105300. doi: 10.1016/j.jcv.2022.105300. Epub 2022 Sep 27. PMID: 36209621; PMCID: PMC9512524.

Oldenburg CE, Hinterwirth A, Ouhouiré M, Dah C, Ouédraogo M, Sié A, Boudo V, Chen C, **Ruder K**, Zhong L, Lebas E, Nyatigo F, Arnold BF, O'Brien KS, Doan T. Gut Resistome after Antibiotics among Children with Uncomplicated Severe Acute Malnutrition: A Randomized Controlled Trial. *Am J Trop Med Hyg.* 2022 Jun 13;107(1):59-64. doi: 10.4269/ajtmh.22-0007. PMID: 35895362; PMCID: PMC9294673.

Bountogo M, Sié A, Coulibaly B, **Ruder K**, Chen C, Zhong L, Colby E, Lebas E, Deiner M, Hinterwirth A, Lietman TM, Seitzman GD, Doan T. Deep sequencing analysis of acute conjunctivitis in Burkina Faso, Africa. *Int Health.* 2022 Jan 24;ihac001. doi: 10.1093/inthealth/ihac001. Epub ahead of print. PMID: 35076074.

Arzika AM, Maliki R, Abdou A, Mankara AK, Harouna AN, Cook C, Hinterwirth A, Worden L, Zhong L, Chen C, **Ruder K**, Zhou Z, Lebas E, O'Brien KS, Oldenburg CE, Le V, Arnold BF, Porco TC, Keenan JD, Lietman TM, Doan T. Gut Resistome of Preschool Children After Prolonged Mass Azithromycin Distribution: A Cluster-randomized Trial. Clin Infect Dis. 2021 Oct 5;73(7):1292-1295. doi: 10.1093/cid/ciab485. PMID: 34037753; PMCID: PMC8492121.

Doan T, Gebre T, Ayele B, Zerihun M, Hinterwirth A, Zhong L, Chen C, **Ruder K**, Zhou Z, Emerson PM, Porco TC, Keenan JD, Lietman TM. Effect of Azithromycin on the Ocular Surface Microbiome of Children in a High Prevalence Trachoma Area. Cornea. 2021 Sep 4;10.1097/ICO.0000000000002863. doi: 10.1097/ICO.0000000000002863. Epub ahead of print. PMID: 34483276; PMCID: PMC8894504.

Oldenburg CE, Pinsky BA, Brogdon J, Chen C, **Ruder K**, Zhong L, Nyatigo F, Cook CA, Hinterwirth A, Lebas E, Redd T, Porco TC, Lietman TM, Arnold BF, Doan T. Effect of Oral Azithromycin vs Placebo on COVID-19 Symptoms in Outpatients With SARS-CoV-2 Infection: A Randomized Clinical Trial. JAMA. 2021 Aug 10;326(6):490-498. doi: 10.1001/jama.2021.11517. PMID: 34269813; PMCID: PMC8285753.

Doan T, Sahoo MK, **Ruder K**, Huang C, Zhong L, Chen C, Hinterwirth A, Lin C, Gonzales JA, Pinsky BA, Acharya NR. Comprehensive pathogen detection for ocular infections. J Clin Virol. 2021 Mar;136:104759. doi: 10.1016/j.jcv.2021.104759. Epub 2021 Feb 11. PMID: 33609933; PMCID: PMC7954984.

Oldenburg CE, Hinterwirth A, Worden L, Sié A, Dah C, Ouermi L, Coulibaly B, Zhong L, Chen C, **Ruder K**, Lietman TM, Keenan JD, Doan T. Indirect effect of oral azithromycin on the gut resistome of untreated children: a randomized controlled trial. Int Health. 2021 Feb 24;13(2):130-134. doi: 10.1093/inthealth/ihaa029. PMID: 32556194; PMCID: PMC7902679.



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