



MMI 291 Seminar Series

Emerging Challenges in Microbiology and Immunology
Fall Quarter 2021 – CRN 41611



Friday Seminar – 12:10-1 PM

“Humoral responses to infections”

Dr. Nicole Baumgarth

a DVM/PhD with extensive training in animal models of infectious diseases and as PI of a NIH-supported research lab investigate immunity to infectious diseases. Underlying all work in her lab is a desire to develop and optimize animal models as a discovery tool for infectious disease research and enhanced understanding of immune responses. She has developed an extensive track record of supporting research education at every level. She has served or am currently serving as mentor of 17 PhD students and 2 MS students and serve as a member of Dissertation committees of currently an additional 7 PhD students. She also have 2 undergraduates working in my lab (currently virtual). She served as mentor of undergraduate Honors students in 2005 and 2010. She actively participates in the “STAR” summer research program for DVM students having acted as mentor for a number of these students in the past including two this summer (2021). She provides advice and has helped DVM-residents at UC Davis with writing of K-01 and other fellowship applications and serve as mentor to currently three Assistant Professors. She has extensive experience as reviewer on NIH study sections, including numerous as Chair. She is a past member of the standing study section IHD and a current member of CMIB. Other service includes having been a past Chair of the Graduate Group in Immunology, the immediate past Chair of Graduate Council, and a previous Chair of Graduate Program Review and Academic Planning. She has served on the Executive Committee of the “Animal Models of Infectious Diseases” T-32 training grant since its inception (PIs, Solnick/McSorley) and have been the Director of the UC Davis “Comparative Medical Sciences T-32 Training Program for Veterinarians since 2013. She regards serving as mentor for developing scientists as an honor and a duty and work hard to ensure each student is trained according to their goals for their future career.

Publications

Nicole Baumgarth, Hannah P Savage, Kathrin Klasener, Fauna L Smith, Zheng Luo, Michael Reth (2019). TLR induces reorganization of the IgM-BCR complex regulating murine B-1 cell responses to infections
ELife. DOI: <https://doi.org/10.7554/eLife.46997.001>

Nicole Baumgarth et al. (2021). The Shaping of a B Cell Pool Maximally Responsive to Infections. (2021) Annual Review of Immunology.
<https://doi.org/10.1146/annurev-immunol-042718-041238>

Nicole Baumgarth, Janko Nikolich-Zugich, F. Eun-Hyung Lee, Deepta Bhattacharya. (2020). Antibody Responses to SARS-CoV-2: The journal of Immunology <http://www.jimmunol.org/content/early/2020/09/03/jimmunol>

October
8



Nicole Baumgarth DVM PhD
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Dept. Pathology, Microbiology
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University of California, Davis

October 8, 2021
12:10 – 1 PM
ZOOM Meeting

Medical Microbiology &
Immunology
School of Medicine

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We hope to see you there!