Bacterial Gene Regulation and Lyme Disease Pathogenesis

A postdoctoral position is available in the laboratory of Dr. Michael Norgard in the Microbiology Department to study virulence gene regulation in *Borrelia burgdorferi*, the Lyme disease spirochete. Studies will focus on the RpoN (Sigma54)-RpoS alternative sigma factor regulatory cascade and, in particular, the role of BosR as a requisite accessory molecule for pathway activation (see Z. Ouyang et al. 2010. BosR [BB0647] controls the RpoN-RpoS regulatory pathway and virulence expression in *Borrelia burgdorferi* by a novel DNA-binding mechanism. *PLoS Pathogens* 7: e1001272). The position offers the opportunity to conduct research in an attractive, dynamic research environment with outstanding resources.

Candidates must have a Ph.D. with a background in bacterial genetics, gene regulation, bacterial pathogenesis, and molecular biology. Experience in spirochetology, animal models, and/or tick biology is a plus.

Please send a C.V. and three letters of recommendation to:

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