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Development and application of cryo-EM tools to study the ultrastructure of microbes in changing environments

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CURRICULUM VITAE

Jamie Scott Depelteau was born on 27 May 1979 in Concord, New Hampshire in the United States of America. In 2001, he obtained a Bachelor of Science degree in Microbiology and Cell Sciences at the University of Florida (USA). During this time, his undergraduate research focused on understanding the genetic and environmental influences on the development of infantile hydrocephalus in the HTx rat model. From 2001-2004, he pursued post-graduate studies and research in the biomedical sciences at The Ohio State University (OSU). Here, his research focused on the dendritically targeted mRNA, *Pcp-2/L7*, and its role in synaptic plasticity. Subsequently, he completed a Master of Arts degree in education at The OSU in 2006. From 2006 until 2016, he worked in education-related positions at various universities in the USA. His last position was the Manager of Undergraduate Affairs and Curriculum Planning at the University of California, Berkeley, where he oversaw the undergraduate advising and curriculum for the Departments of Molecular and Cell Biology, and Integrative Biology. Simultaneously, he performed research in the laboratory of prof. dr. Matthew Welch with the goal of employing the CRISPR/Cas9 system to study factors affecting the Arp2/3 actin nucleation in mammalian cell lines. After moving to the Netherlands, he began work as a PhD candidate under the supervision of prof. dr. Ariane Briegel and prof. dr. Annemarie Meijer. The results of this PhD research are presented in this dissertation.

PUBLICATIONS

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