Ryan Opel   |   Curriculum Vitae

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# Work Experience

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| **Research Assistant** — Dr. Lim Computational Sleep Lab, Portland VA Research Fnd/OHSU *Acted as chief animal surgeon and data analyst for numerous, multi-faceted studies involving multiple species. Managed lab ordering and expenses. Contributed to colony maintenance. Mentored undergraduate volunteers.* | 2015 - Present |
| **Researcher** — Pharmacology Lab, UCSB *Performed a myriad of drug-response assays on various types of tissue, both in vivo* *and in vitro, to generate dose-response curves and analyze drug efficacy. Focused on apoptotic pathways, specifically those relating to mitosis and cytoskeletal proteins.* | 2014 - 2015 |
| **Research Assistant** — Vision & Image Understanding Lab, UCSB *Played a critical role in the development, programming, and debugging of computer-based experiments focusing on machine learning and computer vision to later use on undergraduate subjects. Analyzed collected and conveyed conclusions to graduate researchers and supervising professor. Optimized EyeTracker cameras and software for individual subjects and fixed bugs in MATLAB codes. Gained exposure to the development of research protocols.* | 2013 - 2015 |

# Education

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| **B.S.** — College of Letters & Sciences, University of California, Santa Barbara *Double Major: Pharmacology and Biopsycholog*y | 2011 - 2015 |

# Abstracts

1. Hammock EAD, Cocking DL, Champaigne RD, **Opel RA**, Driessen RC, Lim MM (2016). *Early post-natal sleep fragmentation prevents normal social development in male, but not female, prairie voles.* Abstract submitted to 2nd annual Gordon Research Conference meeting on Sleep Regulation and Function in Galveston, TX.
2. Akins DJ, **Opel RA**, Modarres M, Kuzma NN, Gieger MR, Lim MM (2016*). Sleep disruption predicts fearful behavior in a mouse model of post-traumatic stress disorder*. Abstract submitted to SLEEP meeting in Denver, CO. To be published in Supplement of SLEEP.
3. Hammock EAD, Champaigne RD, Cocking DL, **Opel RA**, Driessen RC, Lim MM (2016). *Developmental sleep fragmentation impairs social development in male, but not female, prairie voles*. Abstract submitted to SLEEP meeting in Denver, CO. To be published in Supplement of SLEEP.
4. Navis, TM, Jones, CE, **Opel RA**, Lim MM (2016). *Effect of Sleep Disturbance on Sensory Gating in the Prairie Vole.*

# Selected Invited Talks

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| **Sleep Disruption Is Associated with Fearful Behavior In A Mouse Model Of Post-traumatic Stress** — SLEEP Meeting, Denver, CO | Jun. 2016 |
| **Developmental Sleep Fragmentation Impairs Social Development In Male, But Not Female, Prairie Voles** — SLEEP Meeting, Denver, CO | Jun. 2016 |

# Posters

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| **Early Post-Natal Sleep Fragmentation Prevents Normal Social Development in Male Prairie Voles** — Society for Social Neuroscience, Chicago, IL | Oct. 2015 |
| **Early Post-Natal Sleep Fragmentation Impairs Social Development in Male Prairies Voles** — Gordon Conference, Galveston, TX | Mar. 2016 |
| **Quantitative EEG during sleep is associated with PTSD in mice and men** — OHSU Research Week, OHSU, Portland, OR | May 2016 |
| **Sleep Disruption Is Associated With Fearful Behavior In A Mouse Model Of Post-traumatic Stress**— SLEEP Meeting, Denver, CO | Jun. 2016 |
| **Developmental Sleep Fragmentation Impairs Social Development In Male, But Not Female, Prairie Voles** — SLEEP Meeting, Denver, CO  **SfN** | Jun. 2016 |

# Professional Organizations

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| **Sleep Research Society** | 2016 - Present |
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