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**EDUCATION**

Undergraduate 2006 - 2010

**The University of Arizona, Tucson AZ**

Major 1: Bachelor of Science in Molecular and Cellular Biology

Major 2: Bachelor of Science in Biochemistry and Molecular Biophysics (with Honors)

Overall GPA: 3.738/4.0

Graduate 2010 - 2015

**Emory University, Atlanta GA**

Ph.D. candidate in Microbiology and Molecular Genetics

Advisor: Dr. Eric Hunter

Post-Graduate 2016-Present

**Ragon Institute of MGH, MIT, and Harvard, Cambridge MA**

Postdoctoral Fellow

Advisor: Dr. Alejandro Balazs

**PUBLICATIONS**

Citations: 133, h-index: 6 (as of January 26, 2016)

1. **Deymier, M.J.\***, Ende, Z.\*, Fenton-May, A., Dilernia, D.A., Kilembe, W., Allen, S.A., Borrow, P. and Hunter, E. "Heterosexual Transmission of Subtype C HIV-1 Selects Consensus-like Variants Without Increased Replicative Capacity or Interferon- $\alpha$  Resistance" *Plos Pathogens* (2015) PMID: 26378795
2. Dilernia, D.A., Ting-Chien, J., Monaco, D.C., Brown, M.P.S., Ende, Z., **Deymier, M.J.**, Yue, L., Paxinos, E.E., Allen S., Tirado-Ramos, A., Hunter E. "Multiplexed highly-accurate DNA sequencing of closely-related HIV-1 variants using continuous long reads from single molecule, real-time sequencing." *Nucleic Acids Research* (2015) PMID: 26101252
3. Claiborne, D.T., Prince, J.L., Scully, E., Macharia, G., Micci, L., Lawson, B., Kopycinski, J., **Deymier, M.J.**, Vanderford, T., Nganou-Makamdop, K., Ende, Z., Tang, J., Yu, T., Lakhi, S., Kilembe, W., Silvestri, G., Douek, D., Geopfert, P., Price, M.A., Allen, S., Paiardini, M., Altfeld, M., Gilmour, J., Hunter, E. "Replicative fitness of transmitted HIV-1 drives acute immune activation, proviral load in memory CD4+ T cells, and disease progression" *PNAS* (2015) PMID: 25730868
4. **Deymier, M.J.**, Claiborne, D.T., Ende, Z., Kilembe, W., Allen, S. & Hunter E. "Particle infectivity of HIV-1 full-length genome infectious molecular clones in a subtype C heterosexual transmission pair following high fidelity amplification and unbiased cloning." *Virology* (2014) PMID: 25243334

5. Carlson, J.M., Schaefer, M., Monaco, D.C., Batorsky, R., Claiborne, D.T., Prince, J., **Deymier, M.J.**, Ende, Z., Klatt, N.R., DeZeil, C.E., Lin, T., Peng, J., Seese, A.M., Shapiro, R., Frater, J., Ndung'u, T., Tang, J., Goepfert, P., Gilmour, J., Price, M.A., Kilembe, W., Heckerman, D., Goulder, P.J.R., Allen, T.M., Allen, S., Hunter, E. "Selection bias at the heterosexual HIV-1 transmission bottleneck" *Science* (2014) PMID: 25013080
6. Campbell, P.J., Danzy, S., Kyriakis, C.S., **Deymier, M.J.**, Lowen, A.C., Steel J. "The M segment of the 2009 pandemic influenza virus confers increased neuraminidase activity, filamentous morphology, and efficient contact transmissibility to A/Puerto Rico/8/1934-based reassortant viruses." *Journal of Virology* (2014) PMID: 24429367
7. Phipps-Yonas, H., Cui, H., Sebastiao, N., Brunhoeber, P.S., Haddock, E., **Deymier, M.J.**, Klapper, W., Lybarger, L., Roe, D.J., and Hastings, K.T. "Low GILT Expression is Associated with Poor Patient Survival in Diffuse Large B-Cell Lymphoma" *Frontiers in Immunology* (2013) PMID: 24409177
8. Campos, S.K., Chapman, J.L., **Deymier, M.J.**, Bronnimann, M.P., and Ozbun, M.A. "Opposing Effects of Bacitracin on Human Papillomavirus Type 16 Infection: Enhancement of Binding and Entry and Inhibition of Endosomal Penetration." *Journal of Virology* (2012) PMID: 22345461
9. Corcoran K., Jabbour M., Bhagwandin C., **Deymier M.J.**, Theisen D.L, Lybarger L. "Ubiquitin-mediated regulation of CD86 expression by membrane-associated Ring-CH-1 (MARCH1)" *Journal of Biological Chemistry* (2011) PMID: 21896490
10. Deymier, P.A., Runge, K., **Deymier, M.J.**, Hoying, J.B. and Vasseur, J.O. "Calcium wave propagation in chains of endothelial cells with nonlinear reaction dynamics: Greens' function approach" *Physical Review E* (2010) PMID: 21230319
11. Deymier, P.A., Eray, M., **Deymier, M.J.**, Runge, K., Hoying, J.B., and Vasseur, J.O. "Architecture-dependent signal conduction in model networks of endothelial cells" *Physical Review E* (2010) PMID: 20481761

## ORAL PRESENTATIONS

1. **Deymier M.J.**, Ende, Z., Claiborne, D.T., Kilembe, W., Allen, S., Hunter, E. "In-vitro fitness of HIV-1 transmitted/founder versus non-transmitted full-length genome infectious molecular clones" HIV R4P – Research for Prevention, Cape Town, South Africa 2014

## POSTERS

1. **Deymier M.J.**, Ende, Z., Claiborne, D.T., Kilembe, W., Allen, S., Hunter, E. "In-vitro fitness of HIV-1 transmitted/founder versus non-transmitted full-length genome infectious molecular clones" HIV Transmission Workshop – Cape Town, South Africa
2. **Deymier M.J.**, Ende, Z., Claiborne, D.T., Kilembe, W., Allen, S., Hunter, E. "Genetic and Phenotypic Characteristics of Subtype C Full Length Genome HIV-1 from Linked Heterosexual Transmission Pairs" HIV Pathogenesis – Virus vs. Host Keystone Symposia, Banff, Canada 2014

3. **Deymier M.J.**, Ende, Z., Claiborne, D.T., Kilembe, W., Allen, S., Hunter, E. “Genetic & Phenotypic Characteristics of Subtype C Full Length Genome HIV-1 from Linked Heterosexual Transmission Pairs” Emory DSAC Annual Research Symposium, Atlanta, GA 2014
4. **Deymier M.J.**, Ende, Z., Claiborne, D.T., Kilembe, W., Allen, S., Hunter, E. “Genetic & Phenotypic Characteristics of Subtype C Full Length Genome HIV-1 from Linked Heterosexual Transmission Pairs” 30 Years of HIV science: Imagine the future, Paris, France 2013

## **AWARDS**

### Graduate

- Chateaubriand Fellowship Recipient 2012: French government & INSERM Funding to perform 9 months of PHD research at the Cochin Institute in Paris
- HIV Research for Prevention Conference Scholarship Recipient 2014
- Action Cycling AV200 Fellowship

### Undergraduate

- College of Science Dean’s list Fall 2006
- College of Science Dean’s list Honorable Mention Spring 2009
- Academic Distinction 2006-2007-2008
- Member of the Honors College 2006-2010

## **TEACHING EXPERIENCE**

- Teaching assistant for the graduate Virology course at Emory University
- Trained 1<sup>st</sup> year graduate students during their rotation in the lab of Dr. Eric Hunter

## **REFERENCES**

- Prof. Eric Hunter  
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- Prof. Jeremy Luban  
University of Massachusetts Medical School, University of Massachusetts  
[Jeremy.Luban@umassmed.edu](mailto:Jeremy.Luban@umassmed.edu)
- Prof. John Steel  
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