

ALISON ADAMS MARTINEZ, PH.D.

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EDUCATION

➡ Ph.D., Genetics	The University of Chicago	Chicago, IL	6/06
➡ B.S., Microbiology	The Pennsylvania State University	University Park, PA	6/01

ANALYTICAL AND ENGINEERING EXPERIENCE

🔗 Core Curriculum and Capstone Program	Launch School	Remote	3/22 - Present
<ul style="list-style-type: none">· Core Curriculum· Capstone Project· Bullet 3· Bullet 4· Bullet 5· Bullet 6· Bullet 7· Bullet 8· Bullet 9· Bullet 10			
🔗 Senior Technology Licensing Officer	The Pennsylvania State University	Remote	10/20 - 12/22
<ul style="list-style-type: none">· Evaluated innovations in terms of intellectual property strength, significance, commercial impact, technical feasibility, and value proposition compared to existing and pipeline competitors, focusing on novel pharmaceuticals, biotech, medical devices, and innovations applicable to the healthcare sector.· Provided actionable feedback and recommendations to inventors on potential improvements to their projects and proposals, including research design, commercialization strategy, and product positioning.			
🔗 Geneticist and Clinical Data Specialist	Oklahoma Health Care Authority	Remote	2/11 - 10/20
<ul style="list-style-type: none">· Developed new software tools to allow for increased efficiency and functionality in handling large and complex data sets, with a special interest in Perl, R, Google Motion Charts, Circos, and 3M PPE tools.· Evaluated the analytical validity, clinical validity, and clinical utility of emerging genetic technologies, including FDA-approved products and proprietary, lab-developed tests.			
🔗 Life Science Consultant and Project Manager	L.E.K. Consulting	Chicago, IL	9/06 - 4/10
<ul style="list-style-type: none">· Developed market models, pharmacoeconomic evaluations, and other analytic approaches to quantify the value of innovative technologies and financial impact of recommended strategies.· Conducted rigorous analysis of pharma, biotech, and medical device market segments to determine the current treatment paradigm, competitive landscape, emerging technologies, IP status, reimbursement environment, and unmet needs across various therapeutic and diagnostic areas.· Synthesized team findings into actionable recommendations and presented those findings to clients ranging from start-ups to multi-billion dollar pharmaceutical, biotech, and medical device corporations.			
🔗 Doctoral Researcher	The University of Chicago	Chicago, IL	9/01 - 6/06
<ul style="list-style-type: none">· Gained proficiency in C, C++, Perl, and scientific writing in LaTeX, with a focus on optimizing existing software and creating new scripts to analyze genetic data and present results in an informative manner.· Collaborated with fellow graduate students and professors on the design, implementation, visualization, and publication of novel scientific work.			

PUBLICATIONS

📄 Adams, A. and R. R. Hudson, 2004. Maximum-Likelihood Estimation of Demographic Parameters Using the Frequency Spectrum of Unlinked Single-Nucleotide Polymorphisms. *Genetics* 168: 1699-1712.

📄 Voight, B., A. Adams, et al., 2005. Interrogating Multiple Aspects of Variation in a Full Re-sequencing Data Set to Infer Human Population Size Changes. *Proc. Natl. Acad. Sci. USA* 102: 18508-18513.