Adam L. Shepro

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EDUCATION
Tufts University, Medford, MA
B.S. in Biochemistry, *summa cum laude*, May 2012
Dean's List, Fall 2008 – Spring 2012
Overall GPA: 3.95

HONORS AND AWARDS
> *Phi Beta Kappa*, Tufts University, 2012
> *Durkee Scholarships,* Tufts University, 2012
> *Max Tischler Scholarship Prize*, Tufts University, 2011

PROFESSIONAL EXPERIENCE

Quanterix Corporation, *Senior Research Associate*, Lexington, MA, July 2014 - Present
- Developed immunoassays on Quanterix's fully-automated HD-1 instrument using proprietary single-molecule array (Simoa™) technology
- Communicate with pharmaceutical and academic clients to establish custom product requirements
- Contributed to Accelerator Services growth of 100% for three consecutive years
- Authored internal documentation on M-files and MasterControl document management systems to expand Accelerator Services capabilities
- Collaborate with engineering team to determine instrument failure modes

OPKO Diagnostics, LLC, *Research Associate*, Woburn, MA, August 2012 - July 2014
- Contributed to planning and execution of experiments on Claros® 1 proprietary immunoassay platform
- Developed competitive ELISA Vitamin D assay on Claros® 1 microfluidic platform
- Programmed image processing software in Python to simplify and automate documenting critical manufacturing inconsistencies
- Developed statistical algorithm in Python and Java to facilitate product lot validation
- Received 4-day long instructor-led certification training for Minitab 16

Tufts University Chemistry Department, *Research Assistant*, Somerville, MA, June - August 2011
- Undertook six-step synthesis of novel immuno-adjuvant to test for biological activity
- Employed NMR and ESI mass spectrometry to track and troubleshoot synthesis
- Presented progress and findings about research to lab group members

Tufts Medical Center, *Research Assistant*, Boston, MA, May - August 2010
- Trained to independently interpret patient x-rays and recorded radiological measurements pertinent to the study
- Filed Institutional Review Board documentation for clinical study: <u>Predictors for Ipsilateral Hip Failure and/or Contralateral Hip Subluxation in Cerebral Palsy</u>

PUBLICATIONS

> Linan Song, D. Richard Lachno, David Hanlon, **Adam Shepro,** Andreas Jeromin, Dipika Gemani, Jayne A. Talbot, Margaret M. Racke, Jeffrey L. Dage, and Robert A. Dean (2016) "A digital enzyme-linked immunosorbent assay for ultrasensitive measurement of amyloid-β 1–42 peptide in human plasma with utility for studies of Alzheimer's disease therapeutics" Alzheimers Res Ther. 2016; 8: 58.

SKILLS
- Languages: French – conversational proficiency
- Computer Skills: Microsoft Excel, Microsoft Word, Microsoft PowerPoint, VBA, C++, Java, Python, Ruby, ImageJ, Minitab
- Laboratory Skills: ELISA, Assay Development, Antibody Labeling, solid-phase conjugation chemistry, NMR, LCMS