KARL JABLONOWSKI, CURRICULUM VITAE

Position:	Program Operations Analyst	Doctoral Student (PhD Candidate)
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Degrees:

Masters of Science	University of Chicago	Computer Science	2004
Bachelors of Science	University of Wisconsin	Astrophysics, Physics	2001

Professional Experience:

2014-Present	Program Operations Analyst, Emergency Medicine, University of Washington
2013-Present	Principal Investigator, Health Informatics Group, Open Science Grid
2012-Present	PhysioNet MIMIC2 Reviewer
2004-2009	Bioinformatics Software Developer, Ben-May Department for Cancer Research, University of Chicago
2001-2002	Department of Energy, Lawrence Livermore National Laboratory
1999-2001	Atomic Collisions Group, University of Wisconsin

Fellowships:

2009-2012	National Library of Medicine, Informatics Research Fellow University of Washington, School of Medicine
2001-2002	Graduate Research Fellowship, Department of Energy Lawrence Livermore National Laboratory, University of California - Davis

Awards:

2014	1st Place Prize at MIT's Critical Data Marathon competition
2004	Letter of Commendation, Department of Computer Science, University of Chicago
2000	Research Symposium, University of Wisconsin
1998	Phi Eta Sigma National Honors Society
1998	Golden Key National Honors Society

Book Chapters:

Jablonowski, Karl. "Hidden Markov Models for Protein Domain Homology Identification and Analysis." *SH2 Domains*. Ed. Kazuya Machida, Ed. Bernard Liu. Humana Press, 2017. Print.

Jablonowski, Karl. "Proteomic Clustering Analysis of SH2 domain datasets." *SH2 Domains*. Ed. Kazuya Machida, Ed. Bernard Liu. Humana Press, 2017. Print.

Journal Articles:

Sachita P Shah, MD; Kevin Penn, MD; Stephen J Kaplan, MD, MPH; Michael Vrablik, DO; **Karl Jablonowski, MS**; Tam N Pham, MD; May J. Reed, MD. Comparison of Bedside Screening Methods for Frailty Assessment in Older Adult Trauma Patients in the Emergency Department. The American Journal of Emergency Medicine (in press).

Mitchell Kim, Taketo Watase, **Karl D Jablonowski**, Medley O Gatewood, Daniel J Henning. A Sepsis-related Diagnosis Impacts Interventions and Predicts Outcomes for Emergency Patients with Severe Sepsis. Western Journal of Emergency Medicine, 2017 Oct; 18(6): 1098–1107.

Bernard A Liu, Brett W Engelmann, **Karl Jablonowski**, Katherine Higginbotham, Andrew S Stergachis and Piers D Nash. Src Homology 2 Domain Binding Sites in Insulin, IGF-1 and FGF Receptor Mediated Signaling Networks Reveal an Extensive Potential Interactome. ***Cell Communication and Signaling*** 2012, ***10***:27 (14 September 2012)

Liu BA, Shah E, **Jablonowski K**, Stergachis A, Engelmann B, Nash PD. The SH2 domain-containing proteins in 21 species establish the provenance and scope of phosphotyrosine signaling in Eukaryotes. **Science Signaling** Vol. 4, Issue 202, p. ra83. December 6, 2011

Liu BA, **Jablonowski K**, Shah E, Engelmann B, Jones RB, Nash PD. SH2 domains recognize contextual peptide sequence information to determine selectivity. ***Molecular and Cellular Proteomics*** *mcp.M110.001586First Published on July 13, 2010, doi:10.1074/mcp.M110.001586*

Machida K, Thompson CM, Dierck K, **Jablonowski K**, Kärkkäinen S, Liu B, Zhang H, Nash PD, Newman DK, Nollau P, Pawson T, Renkema GH, Saksela K, Shin DG, Mayer BJ. High-Throughput Phosphotyrosine Profiling Using SH2 Domains. ***Molecular Cell*** 26: 899-915. June 22, 2007

Liu BA, **Jablonowski K**, Raina M, Arce M, Pawson T, Nash PD. The Human and Mouse Complement of SH2 Domain Proteins – establishing the boundaries of phosphotyrosine signaling. ***Molecular Cell*** 22: 851-868. June 23, 2006

Citations:
http://scholar.google.com/citations?hl=en&user=oFgjoikAAAAJ

Acknowledgements:
Johnson et al. Insights from atomic-resolution X-ray structures of chemically synthesized HIV-1 protease in complex with inhibitors. **Journal of Molecular Biology** (2007)

Boffard et al. Measurement of electron-impact excitation cross sections out of the neon ^{3}P_ {2} metastable level. **Physical Review A** (2001)

Presented Posters:
Marie Vrablik, MD MCR; Liza Rosenman, MD; **Karl Jablonowski, MS**; Annie Chipman, MD MS. Violence in the Emergency Department: An Observational Study. Society for Emergency Medicine, 2018.

Ben Friendman, MD; Dan Henning, MD MPH; Arvin Akhavan, MD; **Karl Jablonowski, MS**; Kennedy Hall, MD MHS; Nick Johnson MD. Trends in Emergency Department Lactate Utilization and Prognostic Accuracy. Society for Emergency Medicine, 2018.

Arvin Akhavan, MD; Nick Johnson, MD; **Karl Jablonowski, MS**; Kennedy Hall, MD MHS; Dan Henning, MD MPH; Ben Friedman MD. Assessing the Prognostic Value of Lactate in the Presence of Ethanol. Society for Emergency Medicine, 2018.

David Cheever, MD MS; Lauren Whiteside, MD MS FACEP; **Karl Jablonowski, MS**; Marie Vrablik, MD MCR. Improving Transitions Between the Emergency Department and Primary Care: A Health Information Exchange Pilot Project. Society for Emergency Medicine, 2018.

Marie Vrablik, MD MCR; **Karl Jablonowski, MS**; Steve Mitchell, MD; Tak Watase, MD MBA; Ken Linnau, MD. Time and Workflow Barriers to Obtaining a Spine MRI from the Emergency Department. UW Patient Safety Improvement Program, 2016.

Karl Jablonowski, M.S., Joseph Paonessa, M.D., Aaron Mittel, M.D., Tom Schaus, M.D., Ph.D, Brian Malley, B.S., Wendy Chen, Pharm.D. "Mean Arterial Pressure in the ICU, Vasopressors, and Mortality." Critical Data Conference: Secondary Use of Big Data from Critical Care. Cambridge, MA January 7, 2014.

Liu BA, **Jablonowski K**, Engelmann B, Nash PD. "Determinants of Physiological Ligand Specificity of SH2 Domains using Peptide Arrays." Keystone Symposia: B2 - Omics Meets Cell Biology. Breckenridge, Colorado., January 25-30, 2009.

Liu BA, **Jablonowski K**, Engelmann B, Nash PD. "Phosphotyrosine Interaction Network for the Insulin/IGF-1 Signaling." 3rd Annual Diabetes Day Symposium. Chicago, IL., May 17, 2008.

Liu BA, **Jablonowski K**, Shah E, Stergachis A, Nash PD. "Defining SH2 Specificity and Diversity using Peptide Arrays." Keystone Symposia: Systems Biology and Regulatory Networks. Steamboat Springs, CO., March 22-27, 2007.

Liu BA, **Jablonowski K**, Shah E, Stergachis A, Pawson T, Nash PD. "Directing phosphotyrosine signals: an integrated bioinformatics and proteomics examination of SH2 domains." 2006 Growth Factor Signaling: Gordon Research Conference. New London, CT., July 16-21, 2006.

Liu BA, **Jablonowski K**, Nalluri R, Djordjevic D, Shah E, Stergachis A, Pawson T, Nash PD. "Directing phosphotyrosine signals: an integrated bioinformatics and proteomics examination of SH2 domains." American Association for Cancer Research Annual Meeting. Washington D.C., April 1-5, 2006.

Jablonowski K. "Thorne-Zytkow Objects" University of Wisconsin Research Symposium. April 11, 2000.

Funding Support Agencies:
Air Force Office of Scientific Research
Department of Energy
National Aeronautics and Space Administration
National Institute of Health
National Science Foundation
University of Chicago Cancer Research Foundation Women's Board