

Minseung Kim

UC Davis Genome Center 5302 GBSF

msgkim@ucdavis.edu

(530)601-8945

KEYWORDS

synthetic biology, systems biology, bioinformatics, computational genomics

EDUCATION

Ph.D. in Computer Science University of California at Davis, Davis, CA Advisor: Dr. Ilias Tagkopoulos	<i>2013 - Present</i>
M.S. in Computer Science Columbia University, New York, NY	<i>Feb 2010</i>
B.S. in Computer Science Illinois Institute of Technology, Chicago, IL Summa Cum Laude Minors in Applied Mathematics and Linguistics	<i>Aug 2008</i>
B.S. in Computer Engineering Hongik University, Seoul, Republic of Korea	<i>Aug 2008</i>

VISITING APPOINTMENTS

Visiting Scholar , Department of Chemistry, University of California at Berkeley	<i>2012</i>
---	-------------

RESEARCH & WORK EXPERIENCE

Research Associate , Institute of Life Science and Biotechnology, Yonsei Univeristy Advisor: Dr. Sung-Hou Kim · Method development for predicting cancer susceptibility	<i>2011 - 2013</i>
Researcher , Samsung Biomedical Research Institute, Samsung Electronics Co., Ltd. Advisor: Dr. Joobae Park & Dr. Duk-Hwan Kim · Genome-wide association studies for Korean cancers · Bioinformatics training	<i>2010 - 2011</i>
Graduate Research Assistant & Independent Study , Columbia University Advisor: Dr. Itsik Pe'er · Development of an imputation algorithm for inferring missing genotypes for merged platforms · Comparison of power of association methods for inbred populations · Test of SNP effects in gene-expression arrays	<i>2008 - 2009</i>
Undergraduate Research Assistant , Illinois Institute of Technology Advisor: Dr. Shlomo Argamon · Visualization of an automatic sentiment analysis of news corpus · Development of a pipeline for predicting individual career	<i>2007</i>
Undergraduate Research Intern , Korea Advanced Institute of Science and Technology Advisor: Dr. Hyun Seung Yang · Optimization of a trajectory of a compass-gait biped	<i>Summer 2006</i>

PUBLICATIONS

- [1] **MS Kim** and SH Kim, "Frequency profiles of SNP syntaxes and genomic susceptibility of multiple cancer types", Proc. Natl. Acad. Sci. 2013 *accepted*
- [2] DH Kim, SE Park, **MS Kim** et al. "A functional single nucleotide polymorphism at the promoter region of Cyclin A2 is associated with increased risk of colon, liver, and lung cancers", Cancer, 2011; 117(17):4080-91
- [3] EE Kenny, **MS Kim**, A Gusev et al. "Increased power of mixed models facilitates association mapping of 10 loci for metabolic traits in an isolated population" Hum. Mol. Genet. 2011; 20(4):827-39
- [4] **MS Kim**, TM Kim, HS Yang, "Optimal trajectory generation of compass gait biped based on passive dynamic walking", IASTED AIA, 2007

POSTERS

- [1] **MS Kim**, EE Kenny, I Peer, "Method Comparison for Analyzing Association Studies in a Founder Population", MagNet Columbia University, 2009
- [2] **MS Kim**, K Bloom, S Argamon, "Opinion Mining of News Corpus", Chicago Area Undergraduate Research Symposium, 2007

SKILLS

Programming: Java, C/C++, Lisp, Python, LaTeX

Tools: PLINK, GATK, samtool, GenePattern, IGV, WEKA, R, MATLAB

Operating Systems: Windows, Mac OS X, Linux

AWARDS & HONORS

Summer Research Scholarship , Illinois Institute of Technology	<i>2007</i>
International Exchange Student Scholarship , Hongik University	<i>2006 - 2008</i>
Chang-Jo Scholarship , Hongik University	<i>2005</i>

OTHERS

Summer School in Logic and Epistemology , Carnegie Mellon University	<i>Summer 2008</i>
Information Technology Program , Illinois Institute of Technology	<i>2006</i>