Keisha used this CV to help her successfully land a staff scientist position at a biotech company. There are not many differences from her academic CV, except that she includes a list of skills and techniques (which is also appropriate for an academic postdoctoral application). While her thesis work was basic science, she includes references to clinically relevant work in her earlier research experiences. References are not included when applying to industry.

Keisha V. Thomas

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EDUCATION

Harvard University, Division of Medical Sciences — Boston, MA
- Ph.D., Biochemistry and Molecular Pharmacology — Expected March 2019
- National Science Foundation Honorable Mention 2013

Swarthmore College — Swarthmore, PA
- B.A., Biology — May 2010

RESEARCH EXPERIENCE

Harvard University Medical School — Boston, MA
Graduate Researcher with Dr. Elias T. Johannson — 2014-present
Genetic and genomic studies of ubiquitin-proteasome system activities in *S. cerevisiae*
- Examined potential transcriptional effects of the proteasome using microarray analysis to provide a genome-wide picture of chromatin binding and gene regulation.
- Executed genetic screen for suppressor of a mutant in the proteasome adaptor complex Cdc48Npl4Ufd1.
- Characterized one of the isolated suppressors to reveal a function in sporulation, using biochemistry, cell biology and transcriptional profiling.

Yale University Medical School — New Haven, CT
Research Assistant with Dr. Bing Wong — 2011-2013
- Examined transcriptional regulation of the bile acid transporter Ntcp using reporter assays in cultured hepatocytes.
- Managed laboratory functions including organization, ordering and scheduling equipment use.
- Trained new students and employees.

University of California San Francisco — San Francisco, CA
Research Assistant with Dr. Shona V. Ramapura — Summer 2010
- Analyzed encapsidation of HIV RNA using cell-free extract.

Université de Paris, Station Zoologique — Villefranche sur mer, France
Intern with Dr. Magali Canivet — Summer 2009
- Used micromanipulation and microscopy to investigate early developmental stages of tunicate embryos.

Yale University Medical School — New Haven, CT
Howard Hughes Intern with Dr. Jane P. Angelique — Summer 2006
- Established method of PCR screening for NOD mice used in diabetes research.

SKILLS and TECHNIQUES
- Isolation of RNA and analysis by transcriptional profiling and Northern blot
- Chromatin immunoprecipitation and analysis on microarrays and by quantitative PCR
- Fluorescence microscopy
- Statistical analysis of microarray data
- Immunoprecipitation of complexes for identification by Mass Spectrometry
- Genetic screening and manipulations in budding yeast
- Mammalian cell culture

LEADERSHIP EXPERIENCE

Harvard University Medical School Boston, MA
Editor, Biological and Biomedical Sciences Program Bulletin 2016-Present
- Participated in planning content; solicited, wrote and edited articles relevant to student life.

Mentor, Mentoring for Science program 2014, 2017
- Guided eighth-grade students in understanding of scientific method through molecular biology experiments and case-based learning.

Swarthmore College Swarthmore, PA
Teaching Assistant, Embryology 2010
- Assisted in preparation and execution of weekly laboratory section.
- Prepared and presented 2 class lectures.

ABSTRACTS

K.V. Thomas, J.M. O'Reilly, S. Kopp, and E.T. Johannson. The Proteasome and its Transcription Factor Substrate Have Overlapping Specificity in Gene Regulation. Abstracts of the Gordon Symposium on Ubiquitin and Signaling, 2018. Abstract 106.

K.V. Thomas, S. Gerling, and E.T. Johannson. The Npl4/Ufd1/Cdc48 Complex and Regulation of Membrane Composition. Abstracts of the American Society for Biochemistry and Molecular Biology, 2017. Abstract and Presentation 1615.

PUBLICATIONS

K.V. Thomas, A.L. Marcus, S. Gerling, L. Sing, and E.T. Johannson. The Yeast Arr4 Forms a Complex with Functions in Sporulation. In preparation.

K.V. Thomas, C.R. White, J.M. O'Reilly, S. Kopp, and E.T. Johannson. Genomic Localization of the Proteasome Demonstrates Multiple Levels of Gene Regulation. Under review.

A.L. Marcus, **K.V. Thomas,** S.P. Georgios, and E.T. Johannson. A subset of membrane-associated proteins is ubiquitinated in response to mutations in the endoplasmic reticulum degradation machinery. Proceedings of the National Academy of Sciences USA 2016; 98(16):12861-66.

L.A. Pittson, **K.V. Thomas,** D.S. Kerry, M.H. Slater, D.J. Elliot, and B. Wong. Interleukin-1ß Suppresses Retinoid Transactivation of Two Hepatic Transporter Genes Involved in Bile Formation. Journal of Chemical Biology 2015; 275(12): 8835-8843.