

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.

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NAME Infante, Aniello	POSITION TITLE Lead Bioinformatician WVU Genomics Core
eRA COMMONS USER NAME (agency login) N/A	

EDUCATION/TRAINING

(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YYYY	FIELD OF STUDY
Wesleyan University, Middletown, CT	BA	06/1994	Mathematics
University of Connecticut, Storrs, CT	MS	12/1997	Mathematics
Wesleyan University, Middletown, CT	MA	06/2001	Computer Science
University of Pennsylvania, Philadelphia, PA	MS	05/2003	Computer Science
University of California Irvine, Irvine, CA	OTH	03/2012	Mathematical and Computational Biology

A. PERSONAL STATEMENT

By training and talent, I am a computer scientist. However, I have always found the most compelling questions, the questions which really matter, to be Biological. I am fortunate that I have found a way to combine my talents with my desire to help answer these questions.

At WVU I am positioned to provide analytic and computational support laboratory scientists. I am primarily focused on genomics and the large data sets created by modern sequencing techniques. I have extensive experience with the tools and techniques of RNA-Seq and transcriptomics.

B. POSITIONS AND HONORS

Positions and Employment

2012 -	Lead Bioinformatician, WVU Genomics Core, West Virginia University, Morgantown, WV
2003 - 2006	Genomic Informatist, NIDDK, NIH, Phoenix, AZ
1998 - 2000	Programmer Analyst, Output Technology Solutions, East Hartford, CT
1989 - 1992	Research Assistant II, Connecticut Agricultural Experiment Station, New Haven, CT

Other Experience and Professional Memberships

Honors

2010	Symposium Grant Winner, Center for Complex Biological Systems, UC Irvine
2002	Naomi Berrie Award for Outstanding Achievement in Diabetes Research, Naomi Berrie Diabetes Center

C. SELECTED PEER-REVIEWED PUBLICATIONS

- Kovacs P, Harper I, Hanson RL, Infante AM, Bogardus C, et al. A novel missense substitution (Val1483Ile) in the fatty acid synthase gene (FAS) is associated with percentage of body fat and substrate oxidation rates in nondiabetic Pima Indians. *Diabetes*. 2004 Jul;53(7):1915-9. PubMed PMID: 15220220.
- Ma L, Hanson RL, Que LN, Cali AM, Fu M, et al. Variants in ARHGEF11, a candidate gene for the linkage to

type 2 diabetes on chromosome 1q, are nominally associated with insulin resistance and type 2 diabetes in Pima Indians. *Diabetes*. 2007 May;56(5):1454-9. PubMed PMID: 17287471.

- Franks PW, Hanson RL, Knowler WC, Moffett C, Enos G, et al. Childhood predictors of young-onset type 2 diabetes. *Diabetes*. 2007 Dec;56(12):2964-72. PubMed PMID: 17720898.
- Seo YK, Chong HK, Infante AM, Im SS, Xie X, et al. Genome-wide analysis of SREBP-1 binding in mouse liver chromatin reveals a preference for promoter proximal binding to a new motif. *Proc Natl Acad Sci U S A*. 2009 Aug 18;106(33):13765-9. PubMed PMID: 19666523; PubMed Central PMCID: PMC2728968.
- Chong HK, Infante AM, Seo YK, Jeon TI, Zhang Y, et al. Genome-wide interrogation of hepatic FXR reveals an asymmetric IR-1 motif and synergy with LRH-1. *Nucleic Acids Res*. 2010 Oct;38(18):6007-17. PubMed PMID: 20483916; PubMed Central PMCID: PMC2952856.

D. RESEARCH SUPPORT