

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Joshua D. Wayne, M.S.		POSITION TITLE Research Associate, Institute of Metabolic Disorders	
eRA COMMONS USER NAME			
EDUCATION/TRAINING ( <i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i> )			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Monmouth University, West Long Branch, NJ	B.S.	2006	Cell and Molecular Biology
Johns Hopkins University, Baltimore, MD	M.S.	2016	Biotechnology

Please refer to the application instructions in order to complete sections A, B, and C of the Biographical Sketch.

**A. PROFESSIONAL POSITIONS:**

2003-2006 Research Assistant, Monmouth University, West Long Branch, NJ 07764  
 2006-2007 Associate Scientist, Phyton Biotech Inc., East Windsor, NJ 08520  
 2008-2011 Assay Scientist, International Flavors and Fragrances Inc., Union Beach, NJ 07735  
 2011-2013 Consulting Scientist, Petrichor L.L.C., Highlands, NJ 07732  
 2017- Research Associate, The Institute of Metabolic Disorders, Hamilton, NJ 08691

**PROFESSIONAL TRAINING AND MEMBERSHIPS:**

2007 SAS Training, Design of Experiments (DOE)  
 2010- Member, Laboratory Robotics Interest Group (LRIG)  
 2010 Beckman Coulter Biomek FX/NX Basic and Advanced Training  
 2012 Protein Purification Course, Rutgers University

**B. PUBLICATIONS AND PRESENTATIONS:**

- Wayne J, Sielski J, Rizvi A, Georges K, Hutter D. "ERK regulation upon contact inhibition in fibroblasts." *Molecular and Cellular Biochemistry*. 286 (2006): 181-189.
- Wayne J. "Careers in Science; advice from experience." Oral presentation given at the First Annual School of Science Careers Roundtable, West Long Branch, NJ, March 2011.
- Wayne J. "Plant Cell Culture: why we use it and how it works." Oral presentation given to Senior Seminar class at Monmouth University, West Long Branch, NJ, February 2008.
- Wayne J, Sielski J, Rizvi A, Georges K, Hutter D. "ERK and JNK regulation upon contact inhibition." Poster Presentation at the 60th Annual Eastern Colleges Science Conference, Philadelphia, PA, April 2006. Won 1st place award.
- Wayne J, Rizvi A, Georges K, Sielski J, Hutter D. "ERK dephosphorylation upon contact inhibition." Poster presentation at the 5th Annual Monmouth University School of Science

Technology and Engineering Student Research Conference, West Long Branch, NJ, April 2006. Won the 1st place Dean's Excellence Award.

**6.** Sielski J, Wayne J, Rizvi A, Georges K, Hutter D. "JNK dephosphorylation upon contact inhibition." 4th Annual Monmouth University School of Science Technology and Engineering Student Research Conference, West Long Branch, NJ, April 2005.

**7.** Georges K, Wayne J, Rizvi A, Sielski J, Hutter D. "Regulation of the ERK and p38 pathways upon contact inhibition in human fibroblasts." Poster Presentation at the 38th Annual Metropolitan Association of College and University Biologists (MACUB) Research Conference, West Long Branch, NJ, November 2004. Also, served as a student coordinator/volunteer for the conference.

**8.** Wayne J, Rizvi A, Sielski J, Hutter D. "Regulation of ERK Mitogen-activated Protein (MAP) Kinase and MAP Kinase Phosphatases During Contact Inhibition." Poster presentation at the 44th Annual American Society for Cell Biology (ASCB) Meeting in Washington, DC, December 2004.

**9.** Rizvi A, Wayne J, Sielski J, Hutter D. "Regulation of the JNK pathway upon contact inhibition in human fibroblasts." Poster presentation at 37th Annual MACUB Research Conference, New York, NY, November 2003. Won 2nd place award.