

**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 Jonathon A. Nye	POSITION TITLE Post Doctoral Fellow		
eRA COMMONS USER NAME <b>JONATHONNYE</b>			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Wisconsin, Madison, WI USA	B.S.	2001	Nuclear Engineering
University of Wisconsin, Madison, WI USA	M.S.	2002	Medical Physics
University of Wisconsin, Madison, WI USA	Ph.D	2005	Medical Physics

**A. Research/Professional Experience****Employment**

2001: Teaching assistant, Robert J. Nickles, Radioisotopes in Medicine and Biology  
University of Wisconsin, Madison, WI Department of Medical Physics  
2002: Teaching assistant, Paul M. DeLuca, Health Physics  
Teaching assistant, Robert J. Nickles, Radioisotopes in Medicine and Biology  
University of Wisconsin, Madison, WI Department of Medical Physics  
2001-2005 Research Assistant, University of Wisconsin-Madison Cyclotron Facility  
2005-: Post-Doctoral Fellow, Emory School of Medicine, Department of Radiology

**Honors**

1999 University of Wisconsin - Nuclear Engineering Scholarship Award  
2000 University of Wisconsin - Nuclear Engineering Scholarship Award

**Professional Societies**

2005-present: American Association of Physicists in Medicine  
2006: Society of Nuclear Medicine

**B. Publications***Original Research Papers*

1. Nickles RJ, Barnhart TE, Avila-Rodriguez MA, Converse AK, Sundaresan R, **Nye JA**, Dick DW, Roberts AD. 2004. Production of  $^{16}\text{N}_2$  for Instrument Calibration. *Radiochimica Acta*, 92: 1-4.
2. **Nye JA**, Dick DW, Avila-Rodriguez MA, Nickles RJ. 2005. Radiohalogen Targetry at the University of Wisconsin. *Nuclear Instrumentation and Methods in Physics Research B*, 241: 693-696.
3. **Nye JA**, Avila-Rodriguez MA, Nickles RJ. 2006. A Grid Mounted Niobium Body Target for the Production of Reactive [18F]Fluoride. *Applied Radiation and Isotopes* 65: 536-539.
4. **Nye JA**, Avila-Rodriguez MA, Nickles RJ. 2006. Production of iodine-124 on an 11 MeV cyclotron. *Radiochimica Acta* 94: 213-216.
5. **Nye JA**, Avila-Rodriguez MA, Nickles RJ. (in press). A new binary compound for the production of I-124 via the  $^{124}\text{Te}(p,n)^{124}\text{I}$  reaction. *Applied Radiation Isotopes*

*Patents*

Improved systems and methods for the production of I-124. Pending, Accepted by the Wisconsin Alumni Research Foundation (WARF ID# P04326)

**C. Research Support**

**Ongoing Research Support**

1-R21-MH-66622-01 Mark Goodman (PI) 09/19/02-08/31/07  
NIH-NIMH

Development and Applications of Novel SERT PET Ligands

The objectives of the NIMH R21/R33 are to develop fluorine-18 labeled O-fluoralkyl ester homologs of ZIENT and fluorine-18 labeled O-fluoralkyl ester homologs of bromovinyl and chlorovinyl analogs of ZIENT.

Role: Co-investigator

**Completed Research Support**

5 T32CA009206-27 Paul M. DeLuca (PI) 6/20/04 - 5/13/2005  
NIH

U.W. Radiological Sciences Training Program

The goal of this project was to train pre-doctoral candidates in the subjects of medical imaging and radiation therapy physics.

Role: Trainee