

Keri Omphroy

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EDUCATION:

Rosalind Franklin University of Medicine and Science *June 2011*

North Chicago, IL

Master of Science in Medical Radiation Physics

Overall G.P.A.: 3.747

State University of New York at Buffalo, Buffalo, N.Y.

May 2009

Bachelor of Science in Nuclear Medicine Technology

Cum Laude, Overall G.P.A.: 3.225

CERTIFICATION:

Nuclear Medicine Technology Certification Board (NMTCB) *August 2009-present*

Certified Nuclear Medicine Technologist (CNMT)

AWARDS AND HONORS:

Semester Dean's List *Spring 2009*

Semester Dean's List *Fall 2008*

2008 Research Internship Award *Summer 2008*

Ronald E. McNair Post-Baccalaureate Achievement Program

2007 Research Internship Award *Summer 2007*

Ronald E. McNair Post-Baccalaureate Achievement Program

PROFESSIONAL SERVICES:

Student Executive Board President *Fall 2008-May 2009*

Ronald E. McNair Post- Baccalaureate Achievement Program

Student Executive Board Vice-President *Fall 2007-Summer 2008*

Ronald E. McNair Post- Baccalaureate Achievement Program

PROFESSIONAL MEMBERSHIPS AND HONOR SOCIETIES:

American Association of Physicists in Medicine (AAPM) Student member	<i>Fall 2009-present</i>
Society of Nuclear Medicine (SNM)	<i>Fall 2007-Winter 2009</i>
Ronald E. McNair Post-Baccalaureate Achievement Program	<i>Spring 2006-May 2009</i>
Daniel Acker Scholar's Program	<i>Fall 2005-May 2009</i>

INTERNSHIPS:

Upstate Medical Physics, Diagnostic Radiology, MN, MH, TRP, PC Victor, NY Diagnostic Medical Physics Intern	<i>Summer 2009</i>
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RESEARCH EXPERIENCE:

<i>Summer 2008</i>	Research Assistant , Toshiba Stroke Research Center University at Buffalo, Departments of Radiology, Physiology, and Biophysics <i>Supervisor:</i> Dr. Ciprian Ionita <i>Director:</i> Dr. Stephen Rudin <i>Duties:</i> Assisted with various studies which involved the use of a micro-CT scanner to image both intravascular devices and dental specimens. Duties included operating a micro-CT machine, reconstructing acquired data, and creating 3D renderings of x-ray images. Observed the creation of artifact correction software, and created platinum markers for use on intravascular stents.
<i>Summer 2007</i>	Research Assistant , Hauptmann-Woodward Medical Research Institute, Department of Structural Biology <i>Supervisor:</i> Jennifer Griswold <i>Director:</i> Dr. Debashis Ghosh <i>Duties:</i> Assisted in the cloning of a P450aromatase enzyme in order to form recombinant DNA. Duties included operating a PCR machine, creating electrophoresis gels, performing gel electrophoresis, and isolation of enzymes from gels.

CLINICAL PRESENTATIONS:

“Respiratory Management in Radiation Oncology” NorthShore University Health System Evanston, IL	<i>Fall 2010</i>
“Computed Tomography Dose Profile Overbeaming” Upstate Medical Physics, P.C. Victor, NY	<i>Summer 2010</i>
“High Dose Rate Brachytherapy” Adventist La Grange Memorial Hospital La Grange, IL	<i>Spring 2010</i>
“IMRT QA” Adventist La Grange Memorial Hospital La Grange, IL	<i>Winter 2009</i>

CLINICAL TRAINING IN MEDICAL RADIATION PHYSICS:

Winter 2010	Rosalind Franklin University Clinical Rotation Advocate Good Shepherd Hospital Barrington, IL	-	12 weeks
Fall 2010	Rosalind Franklin University Clinical Rotation NorthShore University Health System Evanston, IL and Skokie, IL	-	12 weeks
Summer 2010	Rosalind Franklin University Clinical Rotation Upstate Medical Physics, Diagnostic Radiology, MN, MH, TRP, PC Victor, NY	-	8 weeks
Winter 2009	Rosalind Franklin University Clinical Rotation Adventist La Grange Memorial Hospital La Grange, IL	-	24 weeks

CLINICAL TRAINING IN NUCLEAR MEDICINE:

August 2008 – May 2009	University at Buffalo Clinical Rotations		
	Kenmore Mercy Hospital	-	10 weeks
	Buffalo General Hospital	-	10 weeks
	Roswell Park Cancer Institute	-	2 weeks
	Children’s Hospital of Buffalo	-	1 week
	Buffalo Cardiology	-	2 weeks
	Central Radiopharmaceutical Services/SUNYAB	-	2 weeks

TECHNICAL SKILLS:

Instrumentation: *Experience in evaluation and operation of the following units:*

Digital/Film Screen Mammography
Digital Stereotactic Biopsy
Stationary/Portable Radiographic
Fluoroscopic Units/C-Arms
CT
MRI
Gamma Cameras (SPECT/Planar/PET)
Linear Accelerator (Varian®)
High Dose Rate Brachytherapy Unit (VarioSource®)

Software: *Experience in use of the following software:*

Eclipse® (External Beam and Brachytherapy Planning)
Microsoft® Office (Word, Excel, PowerPoint, Outlook)

CONFERENCE PRESENTATIONS:

Omphroy, K. (2008 July) ***Intravascular Device and Dental Specimen Structure Investigation Using Micro-Computed Tomography***. Oral presentation at the 14th Annual Ronald E. McNair Research Conference, Niagara Falls, N.Y.

Omphroy, K. (2007 August) ***Cloning and Expression of the Full-Length Human Cytochrome P450 Aromatase***. Oral presentation at the Hauptmann-Woodward Medical Research Institute, Buffalo, N.Y.

Omphroy, K. (2007 July) ***Cloning and Expression of the Full-Length Human Cytochrome P450 Aromatase***. Oral presentation at the 13th Annual Ronald E. McNair Research Conference, Niagara Falls, N.Y.