CURRICULUM VITAE 12/02/08

Melisa Osborne

PERSONAL DATA

Maiden Name: Kundracik

Current Position: Biochemistry Ph.D. Program, Brandeis University

415 South Street MS009

Waltham MA, 02454

Email: melisalk@brandeis.edu

Telephone: 781-736-2378

EDUCATION

08/05-01/11(expected)	Ph.D. Biochemistry	Brandeis University	Waltham, MA
08/01-06/05	B.A. Biochemistry and Molecular Biology	The College of Wooster	Wooster, OH

PUBLICATIONS

Smiley J.A., Kundracik M., Landfried D.A., Barnes V.R. Sr, Axhemi A.A. "Genes of the thymidine salvage pathway: thymine-7-hydroxylase from a Rhodotorula glutinis cDNA library and iso-orotate decarboxylase from Neurospora crassa." Biochim. Biophys. Acta. 2005 May 25;1723(1-3):256-64.

Alam S, Grum-Tokars V., Krucinska J., Kundracik M.L., Wedekind J.E. "Conformational heterogeneity at position U37 of an all-RNA hairpin ribozyme with implications for metal binding and the catalytic structure of the S-turn." Biochemistry. 2005 Nov 8;44(44):14396-408.

Ohren J.F., Kundracik M.L., Borders C.L. Jr, Edmiston P., Viola R.E. "Structural asymmetry and intersubunit communication in muscle creatine kinase." Acta Crystallogr. D Biol. Crystallogr. 2007 Mar;63(Pt 3):381-9.

POSTERS

2003 Summer Research Symposium: Bayer School of Natural and Environmental Sciences: Duquesne University "Thymine Hydroxylase: Gene Isolation from a cDNA Library" Melisa Kundracik and Jeffrey A. Smiley Youngstown State University, Department of Chemistry

TEACHING EXPERIENCE

08/06-12/06 Teaching Assistant/Discussion Leader : Introductory Biochemistry 100 (Enrollment: 100)

01/07-05/07 Teaching Assistant/Discussion Leader : Biochemistry 103 (Enrollment: 20)

01/08-05/08 Co-Organizer: Second Saturday Science Lecture Series: Community Outreach Program through NSF:IGERT

ACTIVITIES/AWARDS:

08/06-08/08: National Science Foundation: Integrative Graduate Education and Research Trainseeship (NSF:IGERT) at Brandeis University

06/06- present: Quantitative Biology Program at Brandeis University (HHMI sponsored)

CURRENT RESEARCH

Single Molecule Biochemistry/Biophysics. Regulation of bacterial transcription. Bacterial transcription factors.