

APPLICANT/FELLOW BIOGRAPHICAL SKETCH**USE ONLY FOR INDIVIDUAL PREDOCTORAL and POSTDOCTORAL FELLOWSHIPS. DO NOT EXCEED FOUR PAGES.**

NAME OF APPLICANT/FELLOW Barbara Calamini		POSITION TITLE Postdoctoral fellow	
eRA COMMONS USER NAME (credential, e.g., agency login)			
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 Illinois at Chicago	PhD	2007	Medicinal Chemistry
University of Pisa, Italy	MS - PharmD	2000	Medicinal Chemistry

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

A. Positions and Honors

ACTIVITY/OCCUPATION	BEGINNING DATE (mm/yy)	ENDING DATE (mm/yy)	FIELD	INSTITUTION/COMPANY	SUPERVISOR/ EMPLOYER
Postdoc	2006		Mol. Cell Biology	Northwestern University	Dr. R. Morimoto
PhD	2001	2007	Med. Chemistry	UIC	Dr. A. Mesecar
MS	1995	2000	Med. Chemistry	University of Pisa	Dr. A. Martinelli

Academic and Professional Honors

2007-2009	National Institutes of Health Training Grant in Signal Transduction and Cancer
2005	Scholar-in-Training Award to support attendance at the American Association for Cancer Research (AACR) Special Conference titled Frontiers in Cancer Prevention Research, Baltimore, MD
2005	Oscar Robert Oldberg Prize in Pharmaceutical Chemistry. UIC College of Pharmacy.
2005	Travel award from US National Committee for Crystallography to attend the XX International Union of Crystallography (IUCr) Congress, August 2005
2003	Van Doren Scholar for Graduate Students in Medicinal Chemistry. UIC College of Pharmacy.
2003	Travel award from American Crystallographic Association to attend the American Crystallography Association annual meeting July 2003
2003	UIC Student Travel Award for presentation at the American Crystallographic Association annual meeting July 2003

B. Publications

Calamini B, Santarsiero BD, Boutin JA, Mesecar AD. "Kinetic, thermodynamic and X-ray structural insights into the interaction of melatonin and analogues with quinone reductase 2". *Biochem J.* 2008 Jul 1;413(1):81-91.

Liu A, Pajkovic N, Pang Y, Zhu D, Calamini B, Mesecar AD, van Breemen RB. "Absorption and subcellular localization of lycopene in human prostate cancer cells". *Mol Cancer Ther.* 2006 Nov; 5(11):2879-85.

Grimsley JK, Calamini B, Wild JR, Mesecar AD. "Structural Insight into a Genetically-Engineered Organophosphorous Hydrolase that Redefined Relative Substrate Specificities and Kinetics of Catalysis." *Arch Biochem Biophys.* 2005 Oct 15; 442(2):169-79.

Name of Applicant (Last, first, middle): Calamini Barbara

Calamini B, Ratia K, Malkowski MG, Cuendet M, Pezzuto JM, Santarsiero BD, Mesecar AD. "The Pleiotropic Interactions of Resveratrol and Its Human Metabolites with Different Biological Targets". *Submitted*.

C. Scholastic Performance

SCIENCE			OTHER		
YEAR	COURSE TITLE	GRADE	YEAR	COURSE TITLE	GRADE
2001-2006	Graduate school (UIC)	3.9/4.0			