

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.
Photocopy this page or follow this format for each person.

NAME		POSITION TITLE	
Adrienne Takacs Dennis		Junior Staff Scientist	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
John Carroll University, University Heights, Ohio	B.S.	1979-1983	Chemistry/Biochemistry
Case Western Reserve University, Cleveland, Ohio	Ph.D.	1983-1989	Molecular Biology
Cleveland Clinic Foundation, Cleveland, Ohio	post-doc	1989-1991	Molecular Virology

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

Research Experience and Employment:

1992-1996 The Cleveland Clinic Foundation, Department of Molecular Biology, Research Associate
1996-Present MetroHealth Medical Center, Rammelkamp Center for Education and Research, Junior Research Scientist

Honors:

Ohio Academic Scholarship
Chemistry Achievement Award
Alpha Sigma Nu Jesuit Honor Society
Flourine Chapter of Iota Sigma Pi National Honor Society for Women in Chemistry
Lubrizol Award for Distinguished Achievement in Chemistry
Predoctoral Trainee on the Graduate Training in Cellular and Molecular Biology Grant
Postdoctoral Trainee on the NIH Hematology Training Grant

Publications:

1. **Takacs AM**, Denker JA, Perrine KG, Marony PA, and Nilsen TW. A 22-nucleotide spliced leader sequence in the human parasitic nematode *Brugia malaya* is identical to the trans-spliced leader exon in *C. elegans*. *Proc. Natl. Acad. Sci. USA* 1988;85:7932-7936.
2. Ransohoff RM, Denker JA, **Takacs AM**, Hannon GJ, and Nilsen TW. Organization and expression of 5s rRNA genes in the parasitic nematode *Brugia malaya*. *Nucl. Acids Res.* 1989;17:3773-3782.
3. **Takacs AM**, Perrine KG, Barik S, and Banerjee AK. Alteration of specific amino acid residues in the acidic domain I of VSV phosphoprotein (P) converts a GAL4-P(I) hybrid into a transcriptional activator. *The New Biologist.* 1991;3:581-591.
4. **Takacs AM**, Barik S, Das T, and Banerjee AK. Phosphorylation of specific residues in the acidic domain of the phosphoprotein of vesicular stomatitis virus regulates transcription in vitro. *J. Virol.* 1992; 66:5842-5848.

5. Barik S, **Takacs AM**, Das T, and Banerjee AK. Structure and function of the vesicular stomatis virus RNA-dependent RNA polymerase. *In Regulation of gene expression in Animal Viruses* (L. Carrasio, N. Soneburg, and E. Wimmer, Eds.), Plenum Press, New York, pp115-123. 1993.
6. **Takacs AM**, Das T, and Banerjee AK. Mapping of interacting domains between the nucleocapsid protein and the phosphoprotein of vesicular stomatis virus by using the two-hybrid system. *Proc. Natl. Acad. Sci. USA*. 1993;90:10375-10379.
7. **Takacs AM** and Banerjee AK. Efficient interaction of the vesicular stomatis virus P protein with the L protein or the N protein in cells expressing the recombinant proteins. *Virology*. 1995;208:821-826.
8. **Takacs AM** and Banerjee AK. Inhibition of vesicular stomatis virus in cells constitutively expressing an antisense RNA targeted against the virus RNA polymerase gene. *J. Gen. Vir.* 1997;78:125-130.
9. Rampe D, Roy M-L, **Dennis A**, and Brown AM. A mechanism for the proarrhythmic effects of cisapride (Propulsid®): High affinity blockade of the human cardiac potassium channel HERG. *FEBS Letters*. 1997;417:28-32.
10. Priori S, Schwartz PJ, Napolitano C, Bianchi L, **Takacs-Dennis A**, De Fusco M, Brown AM and Casari G. A recessive variant of the Romano-Ward Long QT syndrome. *Circulation* 1998 June 23;98(24):2420-2425.
11. Bianchi L, Shen Z, **Dennis AT**, Priori SG, Napolitano C, Ronchetti E, Bryskin R, Schwartz PJ, Brown AM. Cellular dysfunction of LQT5-minK mutants: abnormalities of I_{Ks} , I_{Kr} and trafficking in long QT syndrome. *Human Mol. Gen.* 1999;8:1499-1507.
12. Bianchi L, Priori SG, Napolitano C, Surewicz KA, **Dennis AT**, Memmi M, Schwartz PJ, Brown AB. Mechanisms of I_{Ks} suppression in LQT1 mutants. *Am. J. Physiol.* 2000;279:H30003-H3011.
13. Ficker E, Thomas D, Viswanathan PC, **Dennis AT**, Priori SG, Napolitano C, Memmi M, Wible B A, Kaufman ES, Iyengar S, Schwartz PJ, Rudy Y, Brown AM. Novel characteristics of a misprocessed mutant HERG channel linked to hereditary long QT syndrome. *Am. J. Physiol.* 2000;279:H1748-H1756.
14. Ficker E, **Dennis AT**, Obejero-Paz CA, Castaldo P, Tagliatela M, Brown AM. Retention in the endoplasmic reticulum as a mechanism of dominant-negative current suppression in human long QT syndrome. *J. Mol. Cell. Cardiol.* 2000;32:2327-2337.

