

BIOGRAPHICAL SKETCH

Give the following information for the key personnel, consultants, and collaborators listed on Form Page 2.
Photocopy this page or follow this format for each person.

NAME		POSITION TITLE		
CHRISTINE ELIZABETH BEATTIE		ASSISTANT PROFESSOR		
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
Case Western Reserve University, Ohio		B.A.	1987	Chemistry
Case Western Reserve University, Ohio		Ph.D.	1993	Pharmacology
University of Oregon, Eugene Oregon		Postdoc	1993-1997	Dev. Neurobiology

RESEARCH AND/OR 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. **DO NOT EXCEED TWO PAGES.**

Professional Experience:

- 1984-1986 Undergraduate research, Department of Biochemistry, Case Western Reserve University. Dr. Edward Kean, advisor
- 1986-1987 Undergraduate research, Department of Medicine and Immunology, Case Western Reserve University. Dr. Thomas Kresina, advisor.
- 1987 Summer Internship, Department of Biochemistry, Case Western Reserve University. Dr. Joyce Jentoft, advisor
- 1988-1992 Predoctoral training, Case Western Reserve University; Dr. Ruth Siegel, advisor.
- 1992-1997 Postdoctoral Research, Institute of Neuroscience, University of Oregon; Dr. Judith Eisen, advisor.
- 1998-present Assistant Professor, The Ohio State University Neurobiotechnology Center and Department of Neuroscience

FUNDING:

- 1991-1993 Individual Predoctoral National Research Service Award from the National Institute of Mental Health
- 1993-1996 American Cancer Society Postdoctoral Fellowship
- 1996-1997 American Heart Association (Oregon Chapter) Postdoctoral Fellowship
- 1998-1999 Ohio State University Seed Grant
- 1999-2002 NSF Research Grant
- 2001-2006 NIH Research Grant (Co-PI)
- 2002-2006 NSF Research Grant

PUBLICATIONS:

- Kresina, T.F., **Beattie, C. E.**, Takemoto, D. J., Plantner, J. J. and Kean, E. L (1987) Epitope mapping of monoclonal and polyclonal antibodies in rhodopsin. *Inv. Ophthalmol. Vis. Sci.* **28**:338.
- Gambarana, C., **Beattie, C. E.**, Rodriguez, Z. and Siegel, R. E. (1991) Regional-specific expression of mRNAs encoding the GABA_A receptor subunits in the developing rat brain. *Neuroscience* **45**:423-432.
- Beattie, C.E.** and Siegel, R. E. (1993) Developmental cues modulate GABA_A receptor subunit mRNA expression in cultured cerebellar granule neurons. *J. Neurosci.* **13**: 1784-1792.

- Beattie, C. E.**, Kolva, B. and Siegel, R.E. (1995) GABA_A receptor subunit mRNA expression in the *weaver* cerebellum: Modulation by cell-cell interactions. *Dev. Brain Res.* **88**: 171-177.
- Henion, P. D., Raible, D. W., **Beattie, C. E.**, Stoesser, K. L., Weston, J. A. and Eisen, J. S. (1995) A screen for mutations affecting development of zebrafish neural crest. *Dev. Gen.* **18**: 11-17.
- Beattie, C. E.** and Eisen, J. S. (1997) Notochord alters the permissiveness of myotome for pathfinding by an identified motoneuron in embryonic zebrafish. *Development* **124**: 713-720.
- Beattie, C. E.** and Eisen, J. S. (1997) Pathfinding by individually identified motoneurons in embryonic zebrafish. in *Molecular Basis of Axon Growth and Nerve Pattern Formation* (ed. H. Fujisawa) pp 247-256. Tokyo: Japan Scientific Societies Press.
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- Beattie, C. E.**, Henion, P. D., Raible, D. W. and Eisen, J. S. (1999) Early pressure screens in zebrafish. in *Methods in Cell Biology* (H. W Detrich, M. Westerfield and L. Zon, eds.) Academic Press, pp. 71-83.
- Seeger, M. A. and **Beattie, C. E.** (1999) Attraction versus repulsion: Modular receptors make the Difference in Axon Guidance. *Cell* **97**: 821-824.
- Beattie, C. E.**, Melancon, E. F. and Eisen J. S. (2000) Mutations in the *stumpy* gene reveal intermediate targets for zebrafish motor axons. *Development* **127**: 2653-2662.
- Beattie, C. E.** (2000) Control of motor axon guidance in the zebrafish embryo. *Brain Res. Bull.* **53**: 489-500.
- Challa, A. K., **Beattie, C. E.** and Seeger, M. A. (2001) Identification and characterization of *roundabout* orthologs in zebrafish. *Mechanisms of Development* **101**: 243-247.
- Shepard, I. T., **Beattie, C. E.** and Raible, D. W. (2001) Functional analysis of zebrafish GDNF. *Developmental Biology* **231**: 420-435.
- Gray, M., Moens, C. B., Amacher, S. L., Eisen, J. S. and **Beattie, C. E.** (2001) Zebrafish *deadly seven* functions in neurogenesis. *Developmental Biology* **237**: 306-323.
- Liu K. S., Gray, M., Fetcho, J. R. and **Beattie, C. E.** The *deadly seven* mutation reveals developmental plasticity in the escape response circuit. In preparation.
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