

## **Chris McGuire**

Masters Candidate

Environmental Studies Department, University of Colorado, Boulder

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### **Education:**

- Aug 2005- University of Colorado, Boulder  
Present Environmental Studies Department  
Masters Candidate  
Thesis research: *Climate change impacts on the timing of biological events in grasshoppers of the Colorado Front Range.*
- Sept 1997- University of Washington, Seattle  
June 2002 Bachelor of Science (Biology: Cell and Molecular Biology)

### **Work Experience:**

- Jun 2007- **Research Scientist (Ecology)**  
Aug 2007 University of Colorado, Boulder  
Department of Ecology and Evolutionary Biology  
Museum Entomology Section UCB 218  
Boulder, CO 80309  
Supervisor: Cesar Nufio  
Phone: (303) 492-6270
- Jan 2007- **Research Assistant (Ecology)**  
Present University of Colorado, Boulder  
Department of Ecology and Evolutionary Biology  
Museum Entomology Section UCB 218  
Boulder, CO 80309  
Supervisor: Cesar Nufio  
Phone: (303) 492-6892

### **Work Experience (continued):**

Aug 2005- **Teaching Assistant**  
Dec 2006 University of Colorado, Boulder

*Courses taught:*

ENVS 1000: Intro to Environmental Studies (Autumn 2005, Spring 2006)

Department of Environmental Studies

397 UCB

Boulder, CO 80309

Supervisor: Jason Neff

Phone: 303-492-6187

GEOG 3351: Biogeography (Autumn 2006)

Department of Geography

260 UCB

Boulder, CO 80309

Supervisor: Susan Beatty

Phone: 303-492-6343

Aug 2002- **Research Scientist (Molecular Biology)**

May 2005 University of Washington, Seattle

Department of Biological Structure

Box 357420, HSB I-500

Seattle, WA 98195

Supervisor: Thomas Reh

Phone: 206-543-5069

2001 Sept- **Research Assistant**

2002 June University of Washington, Seattle

Department of Biological Structure

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### **Grants and Awards:**

April 2005 **Walker Van Riper Fund**

University of Colorado Museum of Natural History

\$1500

## **Publications:**

McCabe KL, **McGuire C**, Reh, TA. 2006. Pea3 expression is regulated by FGF signaling in developing retina. *Dev Dyn.* 235(2):327-35.

Roberts MR, Hendrickson A, **McGuire CR**, Reh TA. 2005. Retinoid X receptor ( $\gamma$ ) is necessary to establish the S-opsin gradient in cone photoreceptors of the developing mouse retina. *Invest Ophthalmol Vis Sci.* 46(8):2897-904.

Moshiri A, **McGuire C**, Reh TA. 2005. Sonic Hedgehog regulates proliferation of the retinal ciliary marginal zone in posthatch chicks. *Dev Dyn.* May;233(1):66-75

Fischer AJ, Omar G, Eubanks J, **McGuire CR**, Dierks BD, Reh TA. 2004. Different aspects of gliosis in retinal Muller glia can be induced by CNTF, insulin, and FGF2 in the absence of damage. *Mol Vis.* 22;10:973-86.

Kubota R\*, **McGuire C\***, Dierks B, Reh TA. 2004. Identification of ciliary epithelial-specific genes using subtractive libraries and cDNA arrays in the avian eye. *Dev Dyn.* Mar;229(3):529-540.

\*Authors contributed equally

Fischer AJ, **McGuire CR**, Dierks BD, Reh TA. 2002. Insulin and fibroblast growth factor 2 activate a neurogenic program in Muller glia in the chicken retina. *J Neurosci.* Nov 1;22(21):9387-98.

Kubota R, Hokoc JN, Moshiri A, **McGuire C**, Reh TA. 2002. A comparative study of neurogenesis in the retinal ciliary marginal zone of homeothermic vertebrates. *Brain Res Dev Brain Res.* Mar 31;134(1-2):31-41