

## *CURRICULUM VITAE*

**NAME:** Chris J. Cretekos

**TITLE AND AFFILIATION:** Instructor  
Department of Molecular Genetics  
The University of Texas M.D. Anderson Cancer Center

**BIRTH DATE AND PLACE:** 11/21/1966, Rochester, NY

**CITIZENSHIP:** U.S.A.

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### **EDUCATION:**

#### **Degree-Grant Education**

University of Utah, Salt Lake City, UT, Ph.D., 1998, Human Genetics

University of Rochester, Rochester, NY, B.Sc., 1989, Biology and Molecular Genetics

#### **Postgraduate Training**

Research Assistant, Dept. of Biology, University of Rochester. Dr. Stanley Hattman, 09/1987-08/1989

Graduate Student, Combined Program in Molecular Biology, University of Utah, Drs. Tom Alber, Costa Georgopoulos, and David Grunwald, 08/1989-06/1990

Graduate Student, Department of Human Genetics, University of Utah, Dr. David Grunwald, 06/1990-12/1998.

Postdoctoral Fellow, Department of Human Genetics, University of Utah, Dr. David Grunwald, 12/1998-07/1999

Postdoctoral fellow, Department of Molecular Genetics, The University of Texas M.D. Anderson Cancer Center, Houston, TX, Dr. Richard Behringer, 08/1999-05/2005

Instructor, Department of Molecular Genetics, The University of Texas M.D. Anderson Cancer Center, Houston, TX, 05/2005-present

**MILITARY OR GOVERNMENT SERVICE:**

N/A

**ACADEMIC AND PROFESSIONAL APPOINTMENTS:**

N/A

**HONORARY ACADEMIC APPOINTMENTS:**

N/A

**COMMITTEE MEMBERSHIPS:**

Member Society of Developmental Biologists	1997 - present
Member FASEB	1997 - present

**CONSULTANTSHIPS:**

N/A

**EDITORSHIPS AND EDITORIAL BOARD MEMBERSHIPS:**

N/A

**LECTURESHIPS AND VISITING PROFESSORSHIPS:**

N/A

**HONORS AND AWARDS:**

Member, National Honor Society	1983 - 1985
Presidential Academic Fitness Award	1985
Finalist, National Merit Award Scholarship	1985
Lawrence H. Smith Scholar, University of Rochester	1986 - 1988
Graduate Student Representative to College Counsel, University of Utah School of Medicine	1994 - 1998
National Institutes of Health National Research Service Award CA09299	2000 - 2002
National Institutes of Health National Research Service Award HD07325	2002 - 2003
Trainee Excellence Award, M. D. Anderson Cancer Center Alumni Association	2005

**ORGANIZATION OF NATIONAL OR INTERNATIONAL CONFERENCES:**

N/A

**INVITED LECTURES:**

**National and International Conferences:**

**Cretekos, CJ, Rasweiler, JJ IV, and Behringer, RR.** Comparative Limb Morphogenesis In Mice & Bats. Evolution of Developmental Diversity, Cold Spring Harbor, N.Y., April 17 - 21, 2002

**Cretekos, CJ, Rasweiler, JJ IV, and Behringer, RR.** The Bat/Mouse Enhancer Switch – A Direct Test of Functional Regulatory Divergence Between Species. Evolution of Developmental Diversity, Cold Spring Harbor, N.Y., March 31- April 4, 2004

**Cretekos, C.J.**, Martin, JF, Rasweiler, JJ IV, and Behringer, RR. Genetic Mechanisms of Divergent Limb Morphogenesis Between Bats and Mice. Gordon Conference on Developmental Biology, Andover, N.H., June 19-23, 2005.

**Invited Seminars at Other Institutions:**

Baylor College of Medicine Postdoctoral Association Seminar Series, September 2002. Dr. Amy Lossie, host.

University of Houston Dept. of Biology and Biochemistry, April 2003. Dr. Patrick Callaerts, host.

Rice University Dept. of Ecology & Evolutionary Biology, March 28, 2005. Dr. H. Michael Kohn, host.

University of Houston Dept. of Ecology & Evolutionary Biology, September 29, 2005. Dr. Diane Wiernasz, host

Texas A&M University Dept. of Biology, October 4, 2005. Dr. Bruce Riley, host

**PUBLICATIONS:**

**Peer-Reviewed Articles**

1. Helde K.A., Wilson E.T., **Cretekos C.J.**, and Grunwald, D.J. (1994). Contribution of early cells to the fate map of the zebrafish gastrula. *Science* **265**:517-520.
2. Wilson E.T., **Cretekos C.J.**, and Helde K.A. (1995). Cell mixing during early epiboly in the zebrafish. *Dev. Genet.* **17(1)**:6-15. (Cover article)
3. **Cretekos C.J.** and Grunwald D.J. (1999). *alyron*, an insertional mutation affecting early neural crest development in zebrafish. *Dev. Biol.* **210(2)**:322-38.
4. Dorsky R.I., Snyder A., **Cretekos C.J.**, Grunwald D.J., Geisler R., Haffter P., Moon R.T. and Raible D.W. (1999). Maternal and embryonic expression of zebrafish *lefl*. *Mech. Dev.* **86(1-2)**:147-50.
5. **Cretekos C.J.**, Rasweiler J.J. IV, and Behringer R.R. (2001). Comparative studies on limb morphogenesis in mice and bats: A functional genetic approach towards a molecular understanding of diversity in organ formation. *Reprod. Fertil. Dev.* **13**: 691-695.
6. Chen C-H, **Cretekos C.J.**, Rasweiler J.J. IV, and Behringer R.R. (2005). Isolation and expression of *Hoxd13* in the short-tailed fruit bat, *Carollia perspicillata*. *Evolution and Development* **7(2)**:130-141. (Cover article)
7. **Cretekos C.J.**, Weatherbee S.D., Chen C-H, Badwaik N.K., Niswander L, Behringer R.R., and Rasweiler J.J. IV. Embryonic Staging System for the Short-Tailed Fruit Bat, *Carollia perspicillata*, a Model Organism for the Mammalian Order Chiroptera, Based Upon Timed Pregnancies in Captive-Bred Animals (2005). *Developmental Dynamics* **233**:721-738, 2005. (Cover article)
8. Komar C.M., Zacharachis-Jutz F., **Cretekos C.J.**, Behringer R.R., and Rasweiler J.J. IV. Highly Polarized Ovaries of the Long-Tongued Bat, *Glossophaga soricina* – A Novel Model for Studying Ovarian Development. Submitted for review, *Biology of Reproduction*.

9. Liu B., Chen C-H., Behringer R.R., and **Cretekos C.J.**. Comparison of Four Hox Gene Clusters of the Short-tailed Fruit Bat, *Carollia perspicillata* with Other Vertebrate Models. Manuscript in preparation.
10. **Cretekos, C.J.**, Wang, Y, Martin, J.F., Rasweiler, J.J. IV, and Behringer, R.R.. Genetic analysis of *cis*-regulatory evolution in forelimb skeletal elongation in bats: The function of *Prx1* limb enhancer divergence between bats and mice. Manuscript in preparation.

**Published abstracts:**

1. **Cretekos CJ**, Rasweiler JJ, Behringer RR (2001). Comparative limb morphogenesis in mice and bats. *Developmental Biology* **235** (1): 321.
2. Weatherbee SD, **Cretekos CJ**, Behringer RR, Rasweiler JJ, Niswander LA (2001). Limb development in the short-tailed fruit bat *Carollia perspicillata*. *Developmental Biology* **235** (1): 322.
3. Behringer RR, **Cretekos CJ**, Rasweiler JJ (2001). Bat molecular embryology: Comparative studies of mammalian limb development. *Developmental Biology* **235** (1): 543.
4. Weatherbee SD, **Cretekos CJ**, Behringer RR, Rasweiler JJ, Niswander LA (2002). Bat wings and the diversity of vertebrate limb development. *Developmental Biology* **247** (2): 36.
5. **Cretekos CJ**, Rasweiler JJ, Behringer RR (2003). Comparative limb morphogenesis in mice and bats. *Developmental Biology* **259** (2): 36.
6. Chen CH, **Cretekos CJ**, Rasweiler JJ, Adebayo GB, Behringer RR (2005). Evolution of Hox gene expression and function in mammals. *Developmental Biology* **283** (2): 650.
7. Weatherbee SD, **Cretekos CJ**, Behringer RR, Rasweiler JJ, Niswander LA (2005). Bat wing interdigit webbing is maintained by BMP attenuation and unique domains of FGF signaling. *Developmental Biology* **283** (2): 585.

**BOOKS WRITTEN OR EDITED:**

N/A

**PATENTS PENDING AND GRANTED:**

N/A

**CURRENT GRANTS AND CONTRACT SUPPORT (Direct Costs):**

N/A

**INSTITUTIONAL SERVICE RESPONSIBILITIES AND OTHER DUTIES:**

N/A

**FORMAL TEACHING:**

Developmental Biology, University of Utah, Dept. of Biology, 1993  
Laboratory in Developmental Biology, University of Utah, Dept. of Biology, 1993

**REFERENCES: (Contact Information)**

1. **Richard R. Behringer, Ph.D.** *(postdoctoral supervisor)*  
Ben Love Professor of Cancer Genetics  
Deputy Chairman, Department of Molecular Genetics  
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2. **Lee Niswander, Ph.D.**  
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Professor of Pediatrics  
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4. **John J. Rasweiler IV, Ph.D.**  
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5. **David Jonah Grunwald, Ph.D.** *(graduate supervisor)*  
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