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# Christina M. Mailloux

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## SUMMARY

Graduate student in human medical genetics with a background in autoimmune disease and a passion for translational research that will have a direct impact on human disease. Strong leadership, advocacy, and organizational skills with the ability to work independently and integrate within a team.

## EDUCATION

**Ph.D., Human Medical Genetics** Expected May 2010  
University of Colorado Denver (UCD), Aurora, CO

**B.S., Biology** May 2002  
Tufts University, Medford, MA

## RESEARCH EXPERIENCE

**Graduate Research Assistant (Ph.D)** August 2003-Present  
Advisor: Dr. Richard A. Spritz; *University of Colorado Denver*, Dept. of Pediatrics, Aurora, CO  
**Dissertation:** Functional Studies of NALP1 in Vitiligo-Associated Autoimmunity

**Postbaccalaureate Intramural Research Trainee** July 2002-July 2003  
Advisor: Dr. Heiner Westphal *National Institutes of Health*, NICHD, Section on Mammalian Molecular Genetics, Bethesda, MD

- Studied molecular genetics of embryonic mouse development

**Research Experience for Undergraduates Student** Summer 2001  
Advisor: Dr. Matthew Buechner *Kansas University*, Department of Molecular Biosciences, Lawrence, KS

- Used *C. elegans* as a model system for Polycystic Kidney Disease

## LEADERSHIP ACTIVITIES

**UCD Graduate School Honor Code Committee** 2009

- Student representative designated to overhear University honor code violations

**Liaison, Alternative Career Options Student Academic Community** 2007-2008

- Planned and organized 4+ events with career professionals for university students of all disciplines

**President, UCD Graduate Student Council** 2004-2006 (member 03-08)

- Met with Dean to initiate student stipend increase of nearly 5%
- Helped increase parking benefits for students
- Organized 10+ philanthropic and student social events per year

**UCD Student Senator** 2004-2007

- Oversaw and voted on many campus-wide issues
- Helped organize and execute at least 2 campus-wide philanthropic and social student events each semester

## CLINICALLY-RELATED COURSEWORK

BIOMarc Product Translation Course, *Fitzsimons Bioscience Park*, Aurora, CO Dec. 2009  
Clinical Trials Training, *University of Colorado Denver*, Aurora, CO June 2009  
Primer in Clinical Proteomics, *University of Colorado Denver*, Aurora, CO May 2008

## HONORS/AWARDS

HIRS Travel Award 2009  
AAAS/Science Program for Excellence in Science 2009

## Christina M. Mailloux

NIH Postbaccalaureate Intermural Research Training Award 2002  
National Science Foundation REU Award 2001

### TEACHING AND PRESENTATION EXPERIENCE

**President's DNA Initiative Liaison** May 2005-Dec2005

National Forensic Science Technology Center, Largo, FL

- Designed and wrote a technology-based program on population genetics and statistics for the DNA Analyst Training program

**Undergraduate Teaching Assistant** Sept. 1999-May 2002

Tufts University, Medford, MA.

- Responsible for assisting undergraduates with proper laboratory techniques and safety

### PROFESSIONAL SOCIETIES AND CLUBS

American Society of Human Genetics 2008-2010

American Association for the Advancement of Science 2008-2010

Colorado BioScience Association 2009-2010

Alternatives in Science, UCD club 2006-2010

### PUBLICATIONS

Jin Y., Birlea S., Fain P., **Mailloux, C.M.**, Riccardi S., Gowan, K., Holland P., Bennett D., Wallace M., McCormack W., Kemp E., Gawkrödger D., Weetman A., Picardo M., Leone G., Taieb A., Jouray T., Ezzedine K., van Geel N., Lambert J., Overbeck A., Spritz R.A. (2010) *FOXP1*, *CCR6*, and *SH2B3* identified as risk loci for generalized vitiligo. *Nat. Genet.* (Submitted)

Jin Y., Birlea S., Fain P., Gowan K., Riccardi S., Holland P., **Mailloux, C.M.**, Sufit A., Hutton S., Amandi-Myers A., Bennett D., Wallace M., McCormack W., Kemp E., Gawkrödger D., Weetman A., Picardo M., Leone G., Taieb A., Jouray T., Ezzedine K., van Geel N., Lambert J., Overbeck A., Spritz R.A. (2010) Variant of TYR and Autoimmunity Susceptibility Loci in Generalized Vitiligo. *N Engl. J Med.* (In Press)

Jorgensen T.N., Alfaro J., Enriquez H.L., Loo W.M., Atencio S., Gubbels Bupp M.R., **Mailloux C.M.**, Metzger T., Flannery S., Rozzo S.J., Kotzin B.L., Roseblatt M., Rosa Bono M., Erickson L.D. (2010) Development of murine lupus involves the combined genetic contribution of the *SLAM* and *FcγR* intervals within the *Nba2* susceptibility locus. *J. Immunol* 184(2):775-86.

Zhao Y., **Mailloux C.M.**, Hermes E., Palkovits M., Westphal H. (2010) A role of the LIM-homeobox gene *Lhx2* in the regulation of pituitary development. *Dev Biol.* 337(2):313-23.

**Mailloux, C.M.**, LaBerge G. (2007) Population Genetics and Statistics. *President's DNA Initiative DNA Analyst Training* [http://www.nfstc.org/pdi/Subject07/pdi\\_s07.htm](http://www.nfstc.org/pdi/Subject07/pdi_s07.htm).

Jin Y., **Mailloux C.M.**, Gowan K., Riccardi S.L., LaBerge G., Bennett D.C., Fain P.R., Spritz R.A. (2007) NALP1 in vitiligo-associated multiple autoimmune disease. *N Engl. J Med.* 356(12): 1263-6.

Zhao Y., Kwan K.M., **Mailloux C.M.**, Lee W.K., Grinberg A., Wurst W., Behringer R.R., Westphal H. (2007) LIM-homeodomain proteins *Lhx1* and *Lhx5*, and their cofactor *Ldb1*, control Purkinje cell differentiation in the developing cerebellum. *Proc Natl Acad Sci U S A* 104(32): 13182-6.

LaBerge G., **Mailloux C.M.**, Gowan K., Holland P., Bennett D.C., Fain P.R., Spritz R.A. (2005) Early disease onset and increased risk of other autoimmune diseases in familial generalized vitiligo. *Pigment Cell Res.* 18(4): 300-5.