

Curriculum Vitae
CRISTEL G. THOMAS

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EDUCATION:

2011 **PhD**, MOCB program, *University of Maryland, College Park, MD, USA.*

Advisor : Dr. Eric Haag

Evolution of sex-biased expression in *Caenorhabditis*.

2006 **Master & Magistère**, Genetics, *Université Paris VII Denis Diderot, Paris, France.*

Research internships:

Jan-Sept 2006 - INSERM U674, *Paris, France.*

Advisor : Dr. Jessica Zucman-Rossi.

Transcriptomic characterization of telianectatic focal nodular hyperplasia and inflammatory hepatocellular adenoma.

April-Sept 2005 - Pick Lab, *University of Maryland, College Park MD, USA*

Advisor: Dr. Leslie Pick.

Mimicking the evolution of a homeotic gene into a segmentation gene in *Drosophila melanogaster*.

2004 **Licence**, Cellular Biology and Physiology, *Université de Versailles St-Quentin en Yvelines, Versailles, France.*

Research internships:

July-Sept 2004 - Murray Lab, *St Jude Children's Research Hospital, Memphis TN, USA*

Advisor : Dr. Peter J. Murray.

Nod proteins and innate immune response.

July-Sept 2003 - INSERM U434, *Paris, France.*

Advisor : Dr. Jessica Zucman-Rossi.

Characterization of genetic alteration in renal cell carcinoma.

PROFESSIONAL EXPERIENCE:

Present

Post-doctoral fellow, Cutter Lab

Fall 2007, 2008, 2009, 2010, 2011

Research Assistant, Haag Lab

Spring 2008, 2009, 2010, 2011

Teaching Assistant, Biology of Cancer, University of Maryland

Spring 2007

Teaching Assistant, Principles of Genetics, University of Maryland

AWARDS AND HONORS:

- 2011 3rd Prize GSA Poster Award, 18th International *C. elegans* Meeting, Los Angeles, CA.
2010 CLFS Travel Award to Hinxton, Cambridge, UK for the Evolutionary Biology of *Caenorhabditis* and Other Nematodes meeting.

MEETING PRESENTATIONS:

1. **Thomas CG**, Li R, Woodruff G, Smith HE, Oliver B, Haag ES (2012) Size matters: transcriptomic desexualization of androdioecious *Caenorhabditis*. *Evolution of Caenorhabditis and Other Nematodes meeting*, Cold Spring Harbor, NY, USA (Oral Presentation)
2. **Thomas CG**, Li R, Korf I, Smith HE, Oliver B, Haag ES (2011) Evolution of Sex-biased Expression in the *Caenorhabditis* genus. *18th International C. elegans Meeting*, Los Angeles, CA (Poster)
3. **Thomas CG**, Korf I, Haag ES (2010) How do males and females do it ? A phylo-genomic screen for reproductive genes lost in hermaphrodite lineages. *Evolutionary Biology of Caenorhabditis and Other Nematodes*, Hinxton, UK (Oral Presentation)
4. **Thomas CG**, Korf I, Haag ES (2009) Consequences of mating system switches on the evolution of sex-biased genes in *Caenorhabditis*., *SDB Mid-Atlantic Regional Meeting*, College Park, MD (Poster)
5. **Thomas C**, Woodruff G, Haag ES (2008) The Evolution Of Sex-Specific Transcription In *Caenorhabditis*. *Worm Development & Evolution Meeting*, Madison, WI (Poster)

PUBLICATIONS:

1. **Thomas CG**, Li R, Smith HE, Woodruff GC, Oliver B, Haag ES (in press) Simplification and desexualization of gene expression in self-fertile nematodes. *Current Biology*.
2. **Thomas CG**, Woodruff GC, Haag ES (2012) Genetic causes and genomic consequences of self-fertility in *Caenorhabditis* nematodes. *Trends in Genetics*. 28(5):213-20.
3. Liu Q, Stumpf CR, **Thomas CG**, Wickens MP, Haag ES (2012) Context-Dependent Function of A Conserved Translational Regulatory Module. *Development*.139(8):1509-21.
4. Barrière A, Yang SP, Pekarek E, **Thomas CG**, Haag ES, Ruvinsky I (2009) Detecting heterozygosity in shotgun genome assemblies: Lessons from obligately outcrossing nematodes. *Genome Res*. 19(3):470-80
5. Bioulac-Sage P, Rebouissou S, **Thomas C**, Blanc JF, Saric J, Sa Cunha A, Rullier A, Cubel G, Couchy G, Imbeaud S, Balabaud C, Zucman-Rossi J (2007) Hepatocellular adenoma subtype classification using molecular markers and immunohistochemistry. *Hepatology* 46(3):740-8.
6. Rebouissou S, Vasiliu V, **Thomas C**, Bellanné-Chantelot C, Bui H, Chrétien Y, Timsit J, Rosty C, Laurent-Puig P, Chauveau D, Zucman-Rossi J (2005) Germline hepatocyte nuclear factor 1alpha and 1beta mutations in renal cell carcinomas. *Hum Mol Genet*. 14(5):603-14

IN PREPARATION:

1. **Thomas CG**, Lu T, Korf I, Smith HE, Oliver B, Haag ES. Identification and characterization of evolutionary labile male genes in *Caenorhabditis*.

REFERENCES:

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