

## BIOGRAPHICAL SKETCH: Joyce Pieretti

### Professional Preparation:

Barnard College, Columbia University	B.A. (Biology)	2009
Embryology Program, Marine Biological Laboratory		June-July 2012
University of Chicago	M.A. (Evolutionary Biology)	2013
University of Chicago	Ph.D. (Evolutionary Biology)	Current

### Appointments:

September 2010 – Present: Student, Department of Organismal Biology and Anatomy. The University of Chicago, Laboratory of Professor Neil Shubin. Chicago, Illinois.

June 2009 – July 2010: Laboratory Technician in the laboratory of Professor Laurel Eckhardt, Department of Biological Sciences, Hunter College.

June 2008 – June 2009: Hughes Science Pipeline Research Intern in the laboratory of Professor Kristen Shepard, Department of Biology, Barnard College.

### Recent Publications:

Yan, Y., **Pieretti J.**, Christin J., Bah, F., Eckhardt, L.E. (2011). Homologous elements hs3a and hs3b in the 3' regulatory region of the murine immunoglobulin heavy chain (Igh) locus are both dispensable for class-switch recombination. *The Journal of Biological Chemistry* 286(31): 27123-31.

Li, F. Yan, Y., **Pieretti, J.**, Feldman, D.A., Eckhardt, L.E. (2010). Comparison of Identical and Functional Igh Alleles Reveals a Nonessential Role for E $\mu$  in Somatic Hypermutation and Class-Switch Recombination. *Journal of Immunology*. 185(10): 6049-57.

### Synergistic Activities:

- Participant in the animal diversity workshop for elementary school students from the University of Chicago Lab Schools involving a tour of the laboratory facilities, DNA gel electrophoresis imaging, and fossil viewing.
- Guest speaker for the Lincoln Park Zoo's Summer 2013 Research Apprenticeship Program for Chicago high school students from underrepresented groups interested in science. This involved a short discussion on different academic paths leading to graduate school, and a presentation on my research and addressing the rewarding discoveries of studying evolutionary biology.
- A current member and facilitator in the establishment of a newly registered student organization of the Multicultural Graduate Community (MGC). The MGC seeks to empower individuals to promote the engagement and success of underrepresented communities in the sciences. By providing academic and personal support networks,

resources for professional development, and student mentorship, we hope to embrace diversity, foster a unified community, and address the needs of underserved groups within the Biological Sciences Division at the University of Chicago.

**Collaborators:**

Jose Luis Gómez-Skarmeta (Centro Andaluz de Biología del Desarrollo), Igor Schneider  
(Universidade Federal do Para)

**Advisors:**

Neil Shubin (University of Chicago)

**Students Advised:**

None