

# Kirsten Gotting

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## Education

M.S. Biology, University of Oregon, Department of Biology 2014  
B.A. Biology, University of Oregon, Department of Biology 2013

## Research Experience

Graduate Researcher, Currie Lab, University of Wisconsin Madison 2018 - Present  
Bioinformatics Intern, Sánchez Lab, Stowers Institute for Medical Research 2014  
Undergraduate Research Assistant, Selker Lab, University of Oregon 2012

## Employment

Bioinformaticist, Sánchez Lab, Stowers Institute for Medical Research 2014 – 2017  
Line/Lab Assistant, Zebrafish International Resource Center 2010 - 2013

## Publications

Zhang S., Guo L., Guerrero-Hernández C., Ross E.J., **Gotting, K.**, McKinney S.A., Wang W., Xiang Y., Hawley S.R., and Sánchez Alvarado A. "A nuclear hormone receptor and lipid metabolism axis are required for the maintenance and regeneration of reproductive organs." *bioRxiv* (2018): 279364.

Davies, E.L., Lei K., Seidel C.W., Kroesen A.E., McKinney S.A., Guo L., Robb S.M.C., Ross E.J., **Gotting, K.**, and Sánchez Alvarado A. "Embryonic origin of adult stem cells required for tissue homeostasis and regeneration." *eLife* 6 (2017): e21052.

Luttrell, S.M., **Gotting, K.**, Ross E.J., Sánchez Alvarado A., and Swalla B.J. "Head Regeneration in Hemichordates Is Not a Strict Recapitulation of Development." *Developmental Dynamics* (2016).

Lei, K., Vu H.T., Mohan R.D., McKinney S.A., Seidel C.W., Alexander R., **Gotting, K.**, Workman J.L., and Sánchez Alvarado, A. "Egf Signaling Directs Neoblast Repopulation by Regulating Asymmetric Cell Division in Planarians." *Developmental Cell* 38, no. 4 (2016): 413-429.

Robb, S., **Gotting, K.**, Ross, E.J., and Sánchez Alvarado, A. "SmedGD 2.0: The Schmidtea mediterranea genome database." *genesis* 53, no. 8 (2015): 535-546.

## Teaching Experience

*The Stowers Institute for Medical Research*

Data Club Organizer/Founder, **UO Data Working Group** 2014 - 2017

*University of Oregon*

Graduate Teaching Fellow, **Cells** Fall 2013

Undergraduate Teaching Assistant, **Evolution, Diversity & Ecology** Spring 2013

## Campus Talks

*The Stowers Institute for Medical Research*

Designing an RNA-seq Pipeline for Non-Model Organisms 2014

## Conferences Attended

Beneficial Microbe 2018

Madison Microbiome Meeting 2018

useR! 2016

North American Planarian Meeting 2015

## Departmental Service

*University of Wisconsin*

Genetics Graduate Student Committee 2018 - 2019

## Skills

*Computational*

Linux/Unix

Parallel Computing

Git

MySQL

## *Programming Languages*

- R
- Python
- Bash

## *Data Analytics*

- Comparative Genomics
- RNA-seq
- Genome Annotation
- Differential Isoform
- Gene Ontology Enrichment
- Motif Finding
- MudPIT Proteomics
- Bioconductor

## **Languages**

- English (native)
- Spanish (conversational)

## **Workshops**

Teaching college students on the autism spectrum

2018