

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. (2018) "A nuclear hormone receptor and lipid metabolism axis are required for the maintenance and regeneration of reproductive organs." *bioRxiv*: 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. (2017) "Embryonic origin of adult stem cells required for tissue homeostasis and regeneration." *eLife* 6: e21052.

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

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. (2016) "Egf Signaling Directs Neoblast Repopulation by Regulating Asymmetric Cell Division in Planarians." *Developmental Cell* 38, no. 4: 413-429.

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

Teaching Experience

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

Genetics Retreat Committee 2018 - 2019

Extracurricular University Service

University of Wisconsin

Co-chair, **ComBEE** (Computational Biology, Ecology, and Evolution) 2018 - Present

R Study Group Leader, **ComBEE** Spring 2018

The Stowers Institute for Medical Research

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

University

Outreach

Event Organizer, *Leaf-Cutter Ant Display Colony*, Wisconsin Science Festival 2018

Activity Leader, *Leaf-Cutter Ant Display Colony*, UW-Madison Science Expeditions 2018

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

RShiny

Languages

English (native)

Spanish (conversational)

Workshops

Teaching college students on the autism spectrum 2018