

### EMBL Research Publications 2013

1. Foroushani A, Brinkman F.S.L., **Lynn D.J** (Corresponding Author).  
*Pathway-GPS and SIGORA: Identifying relevant pathways based on the over-representation of their gene-pair signatures.*  
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2. Vonk FJ, Casewell NR, Henkel CV, Heimberg AM, Jansen HJ, McCleary RJ, Kerckamp HM, Vos RA, Guerreiro I, Calvete JJ, Wüster W, Woods AE, Logan JM, Harrison RA, Castoe TA, de Koning AP, Pollock DD, Yandell M, Calderon D, Renjifo C, Currier RB, Salgado D, Pla D, Sanz L, Hyder AS, Ribeiro JM, Arntzen JW, van den Thillart GE, Boetzer M, Pirovano W, Dirks RP, Spaink HP, Duboule D, **McGlinn E**, Kini RM, Richardson MK.  
*The king cobra genome reveals dynamic gene evolution and adaptation in the snake venom system.*  
PNAS, 2013 Dec 17;110(51):20651-20656, doi: 10.1073/pnas.1314702110.
3. Meredith B.K., Berry D.P., Kearney J.F., Finlay E.K., Fahey A.G., Bradley D.G., **Lynn D.J** (Corresponding Author).  
*A Genome-wide Association Study for Somatic Cell Score Using the Illumina High-Density Bovine BeadChip Identifies Several Novel QTL Potentially Related to Mastitis Susceptibility.*  
Front Genet. 2013 Nov 6;4:229. doi: 10.3389/fgene.2013.00229. eCollection 2013.
4. **Biro M.**, Romeo Y., Kroschwald S., Bovellan M., Boden A., Tcherkezian J., Roux P.P., Charras G. & Paluch E.  
*Cell cortex composition and homeostasis resolved by integrating proteomics and quantitative imaging*  
Cytoskeleton (Hoboken). 2013 Nov;70(11):741-54. doi: 10.1002/cm.21142. Epub 2013 Oct 17.
5. Allen J.M, **McGlinn E**, Hill A and Warman M.L.  
*Autopodial development is selectively impaired by misexpression of chordin-like 1 in the chick limb.*  
Dev Biol. 2013 Sep 1;381(1):159-69. doi: 10.1016/j.ydbio.2013.06.003. Epub 2013 Jun 10.
6. Siegel AL, Gurevich DB, **Currie PD.**  
*A myogenic precursor cell that could contribute to regeneration in zebrafish and its similarity to the satellite cell.*  
FEBS J. 2013 Sep;280(17):4074-88. doi: 10.1111/febs.12300. Epub 2013 May 24.
7. Pinto AR, Chandran A, **Rosenthal NA**, Godwin JW.

- Isolation and analysis of single cells from the mouse heart.*  
J Immunol Methods. 2013 Jul 31;393(1-2):74-80. doi: 10.1016/j.jim.2013.03.012. Epub 2013 Apr 9.
8. Godwin JW, Pinto AR, **Rosenthal NA.**  
*Macrophages are required for adult salamander limb regeneration.*  
Proc Natl Acad Sci U S A. 2013 Jun 4;110(23):9415-20. doi: 10.1073/pnas.1300290110. Epub 2013 May 20.
9. Merelo P, Xie Y, Brand L, Ott F, Weigel D, Bowman JL, **Heisler MG**, Wenkel S.  
*Genome-wide identification of KANADI1 target genes.*  
PLoS ONE 2013;8(10):e77341. doi:10.1371/journal.pone.0077341
10. Yadav RK, Perales M, Gruel J, Ohno C, **Heisler M**, Girke T, Jönsson H, Reddy GV.  
*Plant stem cell maintenance involves direct transcriptional repression of differentiation program*  
Mol. Syst. Biol. 2013;9:654. doi:10.1038/msb.2013.8
11. Brennecke P, Anders S, Kim JK, Kołodziejczyk AA, Zhang X, Proserpio V, Baying B, Benes V, Teichmann SA, Marioni JC, **Heisler MG.**  
*Accounting for technical noise in single-cell RNA-seq experiments*  
Nat. Methods 2013;10(11):1093-1095. doi:10.1038/nmeth.2645
12. Sappl PG, **Heisler MG.**  
*Live-imaging of plant development: latest approaches.*  
Curr. Opin. Plant Biol. 2013;16(1):33-40. doi:10.1016/j.pbi.2012.10.006
13. Lawless N., Foroushani A.K., McCabe M., O'Farrelly C., **Lynn D.J.** (Corresponding Author).  
*Next generation sequencing reveals the expression of a unique miRNA profile in response to a Gram-positive bacterial infection.*  
PLoS One. 2013;8(3):e57543. doi: 10.1371/journal.pone.0057543. Epub 2013 Mar 5.