

CURRICULUM VITAE

NAME: **John H. Postlethwait**
POSITION: Professor of Biology
PRESENT ADDRESS: Institute of Neuroscience
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EDUCATION:

Purdue University	B.A.	1966	Biology
University of California, Irvine	Predoc	1968-70	Developmental Genetics
Case Western Reserve University	Ph.D.	1970	Developmental Genetics
Harvard University	Postdoc	1970-71	Molecular Genetics

RESEARCH AND PROFESSIONAL EXPERIENCE:

1971-1977	Assistant Professor of Biology, University of Oregon
1977-1981	Associate Professor of Biology, University of Oregon
1977-1978	Visiting Research Scientist, Institute for Molecular Biology, Austrian Academy of Sciences, Salzburg, Austria
1981-present	Professor of Biology, University of Oregon
1982-1983	Visiting Research Scientist, CNRS, Laboratory of Eukaryotic Molecular Genetics, Strasbourg, France
1987-present	Affiliate, Institute of Molecular Biology, University of Oregon
1989-1990	Visiting Research Scientist, Imperial Cancer Research Fund, Oxford University, Oxford, Great Britain
1990-present	Member, Institute of Neuroscience, University of Oregon
2009	Visiting Researcher, Biozentrum, Universität Würzburg, Germany

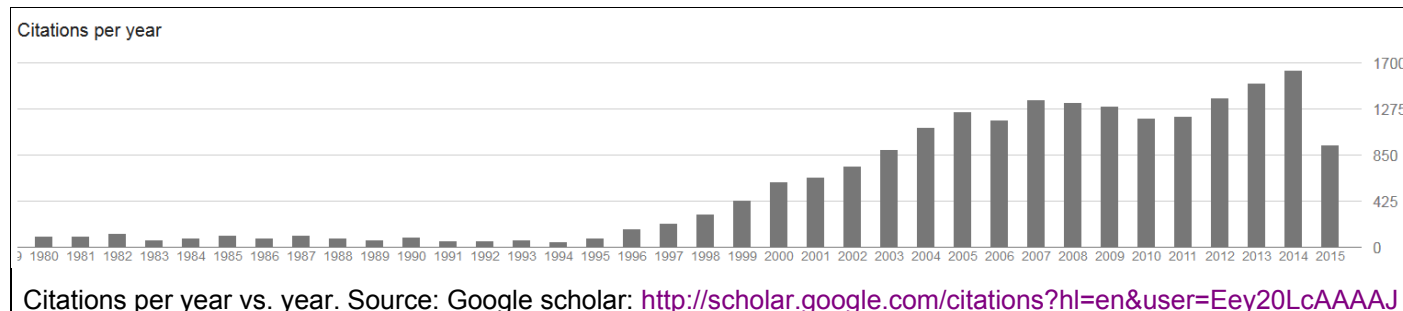
AWARDS AND HONORS:

1966	Phi Beta Kappa, Purdue University
1974-1979	Research Career Development Award, National Institutes of Health
1979	Recipient, Ersted Distinguished Teaching Award, University of Oregon
1988	Fellow of the American Association for the Advancement of Science
1997	Recipient, Kezer Distinguished Teacher Award, Biology Department, University of Oregon
2000	Distinguished Alumnus Award, Purdue University
2001	Distinguished Alumnus Award, Jefferson High School, Lafayette, Indiana
2007	Medical Research Foundation Discovery Award
2007	Oregon Discovers Achievement Award
2009	Humbolt Research Award, Germany
2015	The George W. Beadle Award

PUBLICATIONS – 253 total

	All	Since 2010
Citations	21,322	7873
h-index	70	43
i10-index	204	135

h-index: 70 publications (43 since 2010) cited at least 69 (or 41) times each.
204 publications (135 since 2010) cited at least 10 times.



2015

1. Postlethwait JH. (2015) [Wrecks of Ancient Life: Genetic Variants Vetted by Natural Selection](#). Genetics. 200(3):675-8. PMID: Not applicable.
2. Furin CG, von Hippel FA, **Postlethwait J**, Loren Buck C, Cresko WA, O'Hara TM. (2015) [Developmental timing of perchlorate exposure alters threespine stickleback dermal bone](#). Gen Comp Endocrinol. 2015 Mar 6. pii: S0016-6480(15)00053-2. doi: 10.1016/j.ygcen.2015.02.016. [Epub ahead of print]. PMC Journal pending.
3. Gardell AM, Dillon DM, Smayda LC, von Hippel FA, Cresko WA, **Postlethwait JH**, Loren Buck C. (2015) [Perchlorate exposure does not modulate temporal variation of whole-body thyroid and androgen hormone content in threespine stickleback](#). Gen Comp Endocrinol. 2015 Feb 27. pii: S0016-6480(15)00051-9. doi: 10.1016/j.ygcen.2015.02.014. [Epub ahead of print]. PMC Journal pending.
4. Huang J, Zhong Z, Wang M, Chen X, Tan Y, Zhang S, He W, He X, Huang G, Lu H, Wu P, Che Y, Yan YL, **Postlethwait JH**, Chen W, Wang H. (2015) [Circadian modulation of dopamine levels and dopaminergic neuron development contributes to attention deficiency and hyperactive behavior](#). J Neurosci. 2015 Feb 11;35(6):2572-87. doi: 10.1523/JNEUROSCI.2551-14.2015. PMC4323534.
5. Liu C, Hu J, Qu C, Wang L, Huang G, Niu P, Zhong Z, Hong F, Wang G, **Postlethwait JH**, Wang H. (2015) [Molecular evolution and functional divergence of zebrafish \(Danio rerio\) cryptochrome genes](#). Sci Rep. 2015 Jan 29;5:8113. doi: 10.1038/srep08113. PMC Journal: pending.
6. Gehrke AR, Schneider I, de la Calle-Mustienes E, Tena JJ, Gomez-Marin C, Chandran M, Nakamura T, Braasch I, **Postlethwait JH**, Gómez-Skarmeta JL, Shubin NH. (2015) [Deep conservation of wrist and digit enhancers in fish](#). Proc Natl Acad Sci U S A. 2015 Jan 20;112(3):803-8. doi: 10.1073/pnas.1420208112. Epub 2014 Dec 22. PMC4311833.
7. Petersen AM, Dillon D, Bernhardt RR, Torunsky R, **Postlethwait JH**, von Hippel FA, Loren Buck C, Cresko WA. (2015) [Perchlorate disrupts embryonic androgen synthesis and reproductive development in threespine stickleback without changing whole-body levels of thyroid hormone](#). Gen Comp Endocrinol. 2015 Jan 1;210:130-44. doi: 10.1016/j.ygcen.2014.10.015. Epub 2014 Nov 10. PMC4280913.

2014

8. McCluskey BM, **Postlethwait JH**. (2014) [Phylogeny of zebrafish, a 'model species', within Danio, a 'model genus'](#). *Mol Biol Evol*. 2014 Nov 20. pii: msu325. [Epub ahead of print] PMC4327152.
9. Shin S, Ahn D, Kim S, Pyo C, Lee H, Kim MK, Lee J, Lee J, Detrich H, **Postlethwait JH**, Edwards D, Lee S, Lee J, Park H. (2014) [The genome sequence of the Antarctic bullhead notothen reveals evolutionary adaptations to a cold environment](#). *Genome Biol*. 2014 Sep 25;15(9):468. [Epub ahead of print]. PMC4192396.
10. Wilson CA, High SK, McCluskey BM, Amores A, Yan YL, Titus TA, Anderson JL, Batzel P, Carvan MJ 3rd, Scharf M, **Postlethwait JH**. (2014) [Wild Sex in Zebrafish: Loss of the Natural Sex Determinant in Domesticated Strains](#). *Genetics*. pii: genetics.114.169284. [Epub ahead of print] PMC4224167
11. Tallafuss A, Washbourne P, **Postlethwait J**. (2014) [Temporally and spatially restricted gene expression profiling](#). *Curr Genomics*. 2014 Aug;15(4):278-92. PMC4133951. doi: 10.2174/1389202915666140602230106.
12. Braasch I, Peterson SM, Desvignes T, McCluskey BM, Batzel P, **Postlethwait JH**. (2014) [A New Model Army: Emerging fish models to study the genomics of vertebrate Evo-Devo](#). *J Exp Zool B Mol Dev Evol*. Epub ahead of print. 2014 Aug 11. doi: 10.1002/jez.b.22589. NIHMS 617646.
13. Desvignes T, Beam MJ, Batzel P, Sydes J, **Postlethwait JH**. (2014) [Expanding annotated zebrafish microRNAs based on smallRNA sequencing](#). *Gene*. 546:386-389. PMC4130647.
14. Amores A, Catchen J, Nanda I, Warren W, Walter R, Scharf M, **Postlethwait JH**. (2014) [A RAD-tag Genetic Map for the Platyfish \(*Xiphophorus maculatus*\) Reveals Mechanisms of Karyotype Evolution Among Teleost Fish](#). *Genetics*. 2014 Apr 2. [Epub ahead of print]. PMC4063920.
15. Desvignes T, Contreras A, **Postlethwait JH**. (2014) [Evolution of the miR199-214 cluster and vertebrate skeletal development](#). *RNA Biology* 11:281-294. PMC4075512.
16. Braasch I, Guiguen Y, Loker R, Letaw JH, Ferrara A, Bobe J, **Postlethwait JH**. (2014) [Connectivity of vertebrate genomes: Paired-related homeobox \(Prrx\) genes in spotted gar, basal teleosts, and tetrapods](#). *Comp Biochem Physiol C Toxicol Pharmacol*. 163:24-36. PMC4032612.
17. Zigman M, Laumann-Lipp N, Titus T, **Postlethwait J**, Moens CB. (2014) [Hoxb1b controls oriented cell division, cell shape and microtubule dynamics in neural tube morphogenesis](#). *Development*. 141:639-49. PMC3899817.

2013

18. Korenbrot JI, Mehta M, Tserentsoodol N, **Postlethwait JH**, Rebrik TI. (2013) [EML1 \(CNG-modulin\) controls light sensitivity in darkness and under continuous illumination in zebrafish retinal cone photoreceptors](#). *J Neurosci*. 33:17763-76. PMC3818550.
19. Rodríguez-Marí A, Cañestro C, BreMiller RA, Catchen JM, Yan YL, **Postlethwait JH**. (2013) [Retinoic acid metabolic genes, meiosis, and gonadal sex differentiation in zebrafish](#). *PLoS One*. 8:e73951. PMC3769385.
20. Zhang G, Hoersch S, Amsterdam A, Whittaker CA, Beert E, Catchen JM, Farrington S, **Postlethwait JH**, Legius E, Hopkins N, Lees JA. (2013) [Comparative oncogenomic analysis of copy number alterations in human and zebrafish tumors enables cancer driver discovery](#). *PLoS Genet*. 9:e1003734. PMC3757083
21. Meng F, Braasch I, Phillips JB, Lin X, Titus T, Zhang C, **Postlethwait JH**. (2013) [Evolution of the Eye Transcriptome under Constant Darkness in *Sinocyclocheilus Cavefish*](#). *Mol Biol Evol*. 30:1527-43. PMC3684860.
22. Amemiya CT, Alföldi J, Lee AP, Fan S, Philippe H, Maccallum I, Braasch I, Manousaki T, Schneider

I, Rohner N, Organ C, Chalopin D, Smith JJ, Robinson M, Dorrington RA, Gerdol M, Aken B, Biscotti MA, Barucca M, Baurain D, Berlin AM, Blatch GL, Buonocore F, Burmester T, Campbell MS, Canapa A, Cannon JP, Christoffels A, De Moro G, Edkins AL, Fan L, Fausto AM, Feiner N, Forconi M, Gamielien J, Gnerre S, Gnrirke A, Goldstone JV, Haerty W, Hahn ME, Hesse U, Hoffmann S, Johnson J, Karchner SI, Kuraku S, Lara M, Levin JZ, Litman GW, Mauceli E, Miyake T, Mueller MG, Nelson DR, Nitsche A, Olmo E, Ota T, Pallavicini A, Panji S, Picone B, Ponting CP, Prohaska SJ, Przybylski D, Saha NR, Ravi V, Ribeiro FJ, Sauka-Spengler T, Scapigliati G, Searle SM, Sharpe T, Simakov O, Stadler PF, Stegeman JJ, Sumiyama K, Tabbaa D, Tafer H, Turner-Maier J, van Heusden P, White S, Williams L, Yandell M, Brinkmann H, Volff JN, Tabin CJ, Shubin N, Schartl M, Jaffe DB, **Postlethwait JH**, Venkatesh B, Di Palma F, Lander ES, Meyer A, Lindblad-Toh K. (2013) [The African coelacanth genome provides insights into tetrapod evolution](#). *Nature*. 496:311-6. PMC3633110. [Our contribution to this project has been highlighted in several reviews, such as: Gross, M. 2013 *Current Biology*, 23:R419-R421, 20 May 2013. PMID:23598338.]

23. Howe K, Clark MD, Torroja CF, Torrance J, Berthelot C, Muffato M, Collins JE, Humphray S, McLaren K, Matthews L, McLaren S, Sealy I, Caccamo M, Churcher C, Scott C, Barrett JC, Koch R, Rauch GJ, White S, Chow W, Kilian B, Quintais LT, Guerra-Assunção JA, Zhou Y, Gu Y, Yen J, Vogel JH, Eyre T, Redmond S, Banerjee R, Chi J, Fu B, Langley E, Maguire SF, Laird GK, Lloyd D, Kenyon E, Donaldson S, Sehra H, Almeida-King J, Loveland J, Trevanion S, Jones M, Quail M, Willey D, Hunt A, Burton J, Sims S, McLay K, Plumb B, Davis J, Clee C, Oliver K, Clark R, Riddle C, Elliott D, Threadgold G, Harden G, Ware D, Mortimer B, Kerry G, Heath P, Phillimore B, Tracey A, Corby N, Dunn M, Johnson C, Wood J, Clark S, Pelan S, Griffiths G, Smith M, Glithero R, Howden P, Barker N, Stevens C, Harley J, Holt K, Panagiotidis G, Lovell J, Beasley H, Henderson C, Gordon D, Auger K, Wright D, Collins J, Raisen C, Dyer L, Leung K, Robertson L, Ambridge K, Leongamornlert D, McGuire S, Gilderthorp R, Griffiths C, Manthravadi D, Nichol S, Barker G, Whitehead S, Kay M, Brown J, Murnane C, Gray E, Humphries M, Sycamore N, Barker D, Saunders D, Wallis J, Babbage A, Hammond S, Mashreghi-Mohammadi M, Barr L, Martin S, Wray P, Ellington A, Matthews N, Ellwood M, Woodmansey R, Clark G, Cooper J, Tromans A, Grafham D, Skuce C, Pandian R, Andrews R, Harrison E, Kimberley A, Garnett J, Fosker N, Hall R, Garner P, Kelly D, Bird C, Palmer S, Gehring I, Berger A, Dooley CM, Ersan-Ürün Z, Eser C, Geiger H, Geisler M, Karotki L, Kirn A, Konantz J, Konantz M, Oberländer M, Rudolph-Geiger S, Teucke M, Osoegawa K, Zhu B, Rapp A, Widaa S, Langford C, Yang F, Carter NP, Harrow J, Ning Z, Herrero J, Searle SM, Enright A, Geisler R, Plasterk RH, Lee C, Westerfield M, de Jong PJ, Zon LI, **Postlethwait JH**, Nüsslein-Volhard C, Hubbard TJ, Roest Crolius H, Rogers J, Stemple DL. (2013) [The zebrafish reference genome sequence and its relationship to the human genome](#). *Nature*. 496:498-503. PMID:23594743. PMC3703927. [Despite the long list of authors, I actually played a major role in getting this genome project back on track, as documented in the acknowledgements section of the paper "The Zebrafish Genome Project was coordinated by L.I.Z., J.H.P., C.N.-V., T.J.P.H., J.R. and D.L.S.". In addition, one of our many contributions to this project was highlighted in a review of this work (Gross, M. 2013 *Current Biology*, 23:R419-R421, 20 May 2013).]
24. Schartl M, Walter RB, Shen Y, Garcia T, Catchen J, Amores A, Braasch I, Chalopin D, Volff JN, Lesch KP, Bisazza A, Minx P, Hillier L, Wilson RK, Fuerstenberg S, Boore J, Searle S, **Postlethwait JH**, Warren WC. (2013) [The genome of the platyfish, *Xiphophorus maculatus*, provides insights into evolutionary adaptation and several complex traits](#). *Nat Genet*. 45:567-72. PMC3677569.
25. Meng F, Zhao Y, **Postlethwait JH**, Zhang C. (2013) [Differentially-expressed opsin genes identified in *Sinocyclocheilus cavefish* endemic to China](#). *Curr Zool*. 59:170-174. PMC3868444.

2012

26. Yang Y, Wandler AM, **Postlethwait JH**, Guillemin K. (2012) [Dynamic Evolution of the LPS-Detoxifying Enzyme Intestinal Alkaline Phosphatase in Zebrafish and Other Vertebrates](#). *Front Immunol*. 3:314. PMC3469785.
27. Anderson JL, Rodríguez Marí A, Braasch I, Amores A, Hohenlohe P, Batzel P, **Postlethwait JH**.

- (2012) [Multiple Sex-Associated Regions and a Putative Sex Chromosome in Zebrafish Revealed by RAD Mapping and Population Genomics](#). *PLoS One*. 7:e40701. Epub 2012 Jul 9. PMC3392230
28. Talbot JC, Walker MB, Carney TJ, Huycke TR, Yan YL, Bremiller RA, Gai L, Delaurier A, **Postlethwait JH**, Hammerschmidt M, Kimmel CB. (2012) [fras1 shapes endodermal pouch 1 and stabilizes zebrafish pharyngeal skeletal development](#). *Development*. 139:2804-13. PMC3392706.
29. Yan YL, Bhattacharya P, He X, Ponugoti B, Marquardt B, Layman J, Grunloh M, **Postlethwait JH**, Rubin D. (2012) [Duplicated zebrafish co-orthologs of parathyroid hormone-related peptide \(PTHrP, Pthlh\) play different roles in craniofacial skeletogenesis](#). *J Endocrinol*. 214(3):421-35. doi: 10.1530/JOE-12-0110. PMC3718479.
30. DeLaurier A, Nakamura Y, Braasch I, Khanna V, Kato H, Wakitani S, **Postlethwait JH**, Kimmel CB. (2012) [Histone deacetylase-4 is required during early cranial neural crest development for generation of the zebrafish palatal skeleton](#). *BMC Dev Bio*. 12:16 doi:10.1186/1471-213X-12-16. PMC3426487.
31. Eames BF, Amores A, Yan Y-L, **Postlethwait JH**. (2012) [Evolution of the osteoblast: Skeletogenesis in gar and zebrafish](#). *BMC Evol Biol*. 12:27 doi:10.1186/1471-2148-12-27. PMC3314580
32. Nakamura Y, He X, Kato H, Wakitani S, Kobayashi T, Watanabe S, Iida A, Tahara H, Warman ML, Watanapokasin R, **Postlethwait JH**. (2012) [Sox9 Is Upstream of MicroRNA-140 in Cartilage](#). *Appl Biochem Biotechnol*. 166:64-71. PMC3774128.

2011

33. Yokoi H, **Postlethwait JH**. (2011) [Genome Duplication and Subfunction Partitioning: Sox9 in Medaka and Other Vertebrates](#). *Medaka: A Model for Organogenesis, Human Disease and Evolution*. K. Naruse et al. (eds.) Springer. Japan. 2011. p 323-337. Print. ISBN: 9784431926900. DOI: 10.1007/978-4-431-92691-7.
34. Rodriguez-Mari A, **Postlethwait JH**. (2011) [The role of Fanconi anemia/BRCA genes in zebrafish sex determination](#). In H.W. Detrich, M. Westerfield, L. I. Zon (Eds). *The Zebrafish: Disease Models and Chemical Screens*. *Methods Cell Biol*, Vol.105: p. 461-90. Cambridge, MA.
35. Lenhart KF, Lin SY, Titus TA, **Postlethwait JH**, Burdine RD. (2011) [Two additional midline barriers function with midline lefty1 expression to maintain asymmetric Nodal signaling during left-right axis specification in zebrafish](#). *Development*. 138:4405-10. PMC3177310.
36. Catchen JM, Braasch I, **Postlethwait JH**. (2011) [Conserved synteny and the zebrafish genome](#). In H.W. Detrich, M. Westerfield, L. I. Zon (Eds). *The Zebrafish: Disease Models and Chemical Screens*. *Methods Cell Biol*. Vol. 104 p. 259-85. Cambridge, MA.
37. Clark MD, Guryev V, Bruijn E, Nijman IJ, Tada M, Wilson C, Deloukas P, **Postlethwait JH**, Cuppen E, Stemple DL. (2011) [Single nucleotide polymorphism \(SNP\) panels for rapid positional cloning in zebrafish](#). In H.W. Detrich, M. Westerfield, L. I. Zon (Eds). *The Zebrafish: Genetics, Genomics and Informatics*. *Methods Cell Biol*, Vol.104. Chapter 13. p. 219-235. Cambridge, MA.
38. Song H, Yan YL, Titus T, He X, **Postlethwait JH**. (2011) [The role of stat1b in zebrafish hematopoiesis](#). *Mech Dev*. 128:442-56. PMC3223297.
39. Eames BF, Yan YL, Swartz ME, Levic DS, Knapik EW, **Postlethwait JH**, Kimmel CB. (2011) [Mutations in fam20b and xylt1 Reveal That Cartilage Matrix Controls Timing of Endochondral Ossification by Inhibiting Chondrocyte Maturation](#). *PLoS Genet*. 7:e1002246. PMC3161922.
40. Garcia TI, Shen Y, Catchen J, Amores A, Scharl M, **Postlethwait J**, Walter RB. (2011) [Effects of short read quality and quantity on a de novo vertebrate transcriptome assembly](#). *Comp Biochem Physiol C Toxicol Pharmacol*. 155(1):95-101. PMC3223268

41. Bhattacharya P, Yan Y-L, **Postlethwait J**, Rubin DA. (2011) [Evolution of the vertebrate pth2 \(tip39\) gene family and the regulation of PTH type-2 Receptor \(pth2r\) and its endogenous ligand pth2 by Hedgehog signaling in zebrafish development](#). *J Endocrinol.* 211(2):187-200. PMC3192934
42. He X, Yan Y-L, Eberhart JK, Herpin A, Wagner TU, Scharl M, **Postlethwait JH**. (2011) [miR-196 regulates axial patterning and pectoral appendage initiation](#). *Dev Bio.* 357(2):463-77. PMC3164755
43. Catchen, J., Amores, A., Hohenlohe, P., Cresko, W., and **Postlethwait**, J.H. (2011) [Stacks: building and genotyping loci de novo from short-read sequences](#). *G3* 1:171-182. PMC3276136.
44. Amores, A., Catchen, J., Ferrara, A., Fontenot, Q. and **Postlethwait**, J.H. (2011) [Genome evolution and meiotic maps by massively parallel DNA sequencing: Spotted gar, an outgroup for the teleost genome duplication](#). *Genetics.* 188:799-808. PMC3176089.
45. Shen Y, Catchen J, Garcia T, Amores A, Beldorth I, Wagner J, Zhang Z, **Postlethwait J**, Warren W, Scharl M, Walter RB. (2011) [Identification of transcriptome SNPs between Xiphophorus lines and species for assessing allele specific gene expression within F\(1\) interspecies hybrids](#). *Comp Biochem Physiol C Toxicol Pharmacol.* 155:102-8. PMC3178741.
46. Hochheiser H, Aronow BJ, Artinger K, Beaty TH, Brinkley JF, Chai Y, Clouthier D, Cunningham ML, Dixon M, Donahue LR, Fraser SE, Hallgrimsson B, Iwata J, Klein O, Marazita ML, Murray JC, Murray S, de Villena FP, **Postlethwait J**, Potter S, Shapiro L, Spritz R, Visel A, Weinberg SM, Trainor PA. (2011) [The FaceBase Consortium: A comprehensive program to facilitate craniofacial research](#). *Dev Biol.* 355:175-182. PMC3440302.
47. Rodríguez-Marí A, Wilson C, Titus TA, Cañestro C, BreMiller RA, Yan YL, Nanda I, Johnston A, Kanki JP, Gray EM, He X, Spitsbergen J, Schindler D, **Postlethwait JH**. (2011) [Roles of brca2 \(fancd1\) in Oocyte Nuclear Architecture, Gametogenesis, Gonad Tumors, and Genome Stability in Zebrafish](#). *PLoS Genet* 7(3):e1001357. PMC3069109.
48. Braasch I, **Postlethwait JH**. (2011) [The teleost agouti-related protein 2 gene is an ohnolog gene missing from the tetrapod genome](#). *Proc Natl Acad Sci U S A.* 108(13):E47-8. PMC3069192.
49. Nakamura Y, Yamamoto K, He X, Otsuki B, Kim Y, Murao H, Soeda T, Tsumaki N, Deng JM, Zhang Z, Behringer RR, Crombrughe B, **Postlethwait JH**, Warman ML, Nakamura T, Akiyama H. (2011) [Wwp2 is essential for palatogenesis mediated by the interaction between Sox9 and mediator subunit 25](#). *Nat Commun.* 2:251. PubMed PMID: 21427722.
50. He X, Yan Y-L, DeLaurier A, **Postlethwait**, JH (2011) [Observation of miRNA gene expression in zebrafish embryos by in situ hybridization to microRNA primary transcripts](#). *Zebrafish.* 8(1):1-8. PMC3065723

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51. Denoëud F, Henriët S, Mungpakdee S, Aury JM, Da Silva C, Brinkmann H, Mikhaleva J, Olsen LC, Jubin C, Cañestro C, Bouquet JM, Danks G, Poulain J, Campsteijn C, Adamski M, Cross I, Yadetie F, Muffato M, Louis A, Butcher S, Tsagkogeorga G, Konrad A, Singh S, Jensen MF, Cong EH, Eikeseth-Otteraa H, Noel B, Anthouard V, Porcel BM, Kachouri-Lafond R, Nishino A, Ugolini M, Chourrout P, Nishida H, Aasland R, Huzurbazar S, Westhof E, Delsuc F, Lehrach H, Reinhardt R, Weissenbach J, Roy SW, Artiguenave F, **Postlethwait JH**, Manak JR, Thompson EM, Jaillon O, Du Pasquier L, Boudinot P, Liberles DA, Volf JN, Philippe H, Lenhard B, Roest Crollius H, Wincker P, Chourrout D. (2010) [Plasticity of animal genome architecture unmasked by rapid evolution of a pelagic tunicate](#). *Science.* 330(6009):1381-5. PMCID: n/a
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A, Linbo T, Raible DW, **Postlethwait** JH (2010) [UDP xylose synthase 1 is required for morphogenesis and histogenesis of the craniofacial skeleton](#). *Dev Biol.* 341(2):400-15. PMC2888048

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55. Wang S, Peatman E, Abernathy J, Waldbieser G, Lindquist E, Richardson P, Lucas S, Wang M, Li P, Thimmapuram J, Liu L, Vullaganti D, Kucuktas H, Murdock C, Small BC, Wilson M, Liu H, Jiang Y, Lee Y, Chen F, Lu J, Wang W, Xu P, Somridhivej B, Baoprasertkul P, Quilang J, Sha Z, Bao B, Wang Y, Wang Q, Takano T, Nandi S, Liu S, Wong L, Kaltenboeck L, Quiniou S, Bengten E, Miller N, Trant J, Rokhsar D, Liu Z; **Catfish Genome Consortium** (2010) [Assembly of 500,000 inter-specific catfish expressed sequence tags and large scale gene-associated marker development for whole genome association studies](#). *Genome Biol.* 11(1):R8. PMC2847720
56. Albertson RC, Yan YL, Titus TA, Pisano E, Vacchi M, Yelick PC, Detrich HW 3rd, **Postlethwait** JH. (2010) [Molecular pedomorphism underlies craniofacial skeletal evolution in Antarctic notothenioid fishes](#). *BMC Evol Biol.* 10:4. PMC2824663
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58. Jovelin, R, Yan, Y-L, He, X., Catchen, J, Amores, A, Canestro, C, Yokoi, H, **Postlethwait**, JH (2010) [Evolution of developmental regulation in the vertebrate FgfD subfamily. JEZ Part B: Molecular and Developmental Evolution](#). *J Exp Zool B Mol Dev Evol.* 314(1):33-56. PMC3092526.

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Invited Lectures (2013 – 2014):

- 2013 07 31 Departmental Seminar, Center for Circadian Clocks, Soochow University, Suzhou, China: 'Zebrafish Sex Determination & The Zebrafish Genome'. (Prof. H. Wang)
- 2013 08 09 SPUR Keynote, University of Oregon: 'Undergrad research makes a difference!' (P. O'Day)
- 2013 08 20 Departmental Seminar, Department of Department of Biotechnology & Bioinformatics, North Eastern Hill University, Shillong, India: 'Zebrafish Sex Determination.' (Prof. A. Chatterjee)
- 2013 08 24 Departmental Seminar, Department of Genetics, Banaras Hindu University, Varanasi, India: 'Zebrafish Sex Determination.' (Prof. R. Raman)
- 2013 08 19 University of Tokyo, Graduate School of Science: 'Zebrafish Sex Determination and Retinoic Acid'. (Prof. H. Takeda)
- 2013 09 20 Keynote Address, 19th Japanese Medaka and Zebrafish Meeting, Sendai, Japan: 'Zebrafish sex determination'. (Prof. T. Suzuki)
- 2013 11 29 INRA, Fish Physiology and Genomics, Sex Differentiation and Oogenesis Group, Campus de Beaulieu, Rennes France: 'Conserved syntenies for the Phylofish project'. (Dr. J. Bobe)
- 2014 02 25 Departmental seminar, Department of Marine and Environmental Sciences/Dept. of Biology, Marine Science Center, Northeastern University, Nahant, MA: 'Connecting fish genomes to human biology: The spotted gar'. (Prof. W. Detrich)
- 2014 03 13 Research Week Keynote: Nicholls State University, Thibodaux, LA: 'Spotted Gar Étoufée: Linking teleost medical models to human biology'. (Prof. A. Ferrara)

- 2014 03 27 Departmental Seminar, National Institute of Genetics, Mishima, Japan: 'Connecting the genomes of teleost fish to human biology: Spotted gar as an outgroup for the teleost genome duplication'. (Dr. N. Sakai)
- 2014 04 10 Keynote, Second Strategical Meeting for Medaka Research, Medaka, Seville, Spain: 'Connecting teleost genomes to human biology: Spotted gar as a stepping stone'. (Prof. J.-L. Martinez-Morales)
- 2014 04 23 The Plenary Speaker, EvoWIBO, Fort Worden State Park, Port Townsend, WA: 'Gar Étouffée: Darwin's 'living fossil' and the origin of teleost genomes'. (Prof. W. Cresko)
- 2014 05 13 Streisinger Lecture, University of Oregon: How do zebrafish decide to develop as a male or female?' (Prof. G. Sprague)
- 2014 06 20 The Science Address, NIH Council Of Councils, Office of the Director, Bethesda, MD: 'A zebrafish model for the FA/BRCA pathway and connecting fish medical models to human health'. (Dr. M. Chang)
- 2014 06 24 Keynote Address, International Conference on Zebrafish Development and Genetics, University of Wisconsin, Madison WI: 'Connecting teleost genomes to human biology'. (Prof. T. Schilling)
- 2014 08 15 Departmental Seminar and Ph.D. Thesis Opponent, Faculty of Life and Environmental Sciences, University of Iceland, Reykjavík, ICELAND: 'Linking teleost fish genomes to human biology'. (Prof. S. Snorasson)
- 2014 09 22 Invited talk, International Conference on Sex Determination and Differentiation in Fishes -- Genes, Environment and Behaviour, Fundação da Faculdade de Ciências, Lisboa. : 'Wild sex in zebrafish'. (Dr. C. Pereira)
- 2014 10 20 Invited talk, Genomics and Phenomics of Fish, Cold Spring Harbor Asia, Suzhou, China: 'Spotted Gar Links Teleost Genomes to Human Biology'. (Dr. K. Kawakami)