

CURRICULUM VITAE

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EDUCATION:

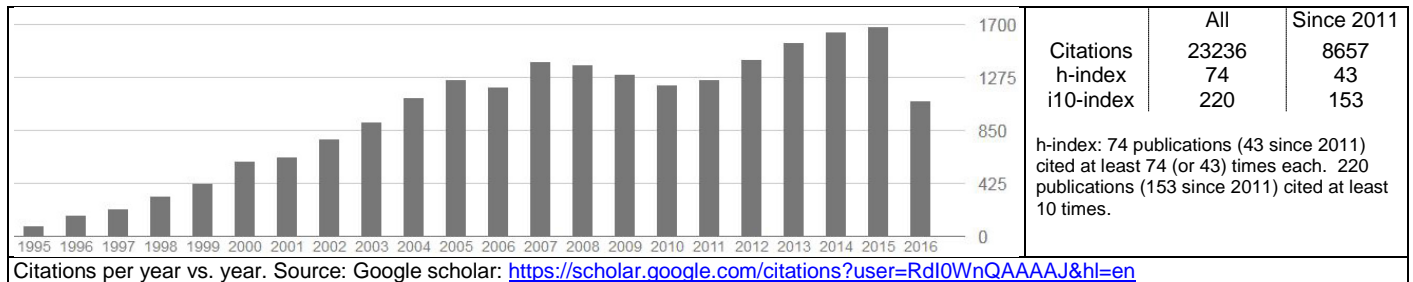
Purdue University	B.A.	1966	Biology
University of California, Irvine	Predoc	1968-70	Developmental Genetics
Case Western Reserve University	Ph.D.	1970	Developmental Genetics
Harvard University	Postdoc	1970-71	Molecular Genetics

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	George W. Beadle Award, Genetics Society of America
2016	University of Oregon Outstanding Career Award, Research Excellence



PUBLICATIONS (2008 – July, 2016)

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- Pan Q, Anderson J, Bertho S, Herpin A, Wilson C, Postlethwait JH, Schartl M, Guiguen Y. (2016) [Vertebrate sex-determining genes play musical chairs](#). C R Biol. 2016 Jul-Aug;339(7-8):258-62. doi: 10.1016/j.crv.2016.05.010. Epub 2016 Jun 10.
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- Braasch I, Gehrke AR, Smith JJ, Kawasaki K, Manousaki T, Pasquier J, Amores A, Desvignes T, Batzel P, Catchen J, Berlin AM, Campbell MS, Barrell D, Martin KJ, Mulley JF, Ravi V, Lee AP, Nakamura T, Chalopin D, Fan S, Wcisel D, Cañestro C, Sydes J, Beaudry FE, Sun Y, Hertel J, Beam MJ, Fasold M, Ishiyama M, Johnson J, Kehr S, Lara M, Letaw JH, Litman GW, Litman RT, Mikami M, Ota T, Saha NR, Williams L, Stadler PF, Wang H, Taylor JS, Fontenot Q, Ferrara A, Searle SM, Aken B, Yandell M, Schneider I, Yoder JA, Volf JN, Meyer A, Amemiya CT, Venkatesh B, Holland PW, Guiguen Y, Bobe J, Shubin NH, Di Palma F, Alfo Ldi J, Lindblad-Toh K, Postlethwait JH. (2016) [Corrigendum: The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons](#). Nat Genet. 2016 May 27;48(6):700. doi: 10.1038/ng0616-700c.
- Pasquier J, Cabau C, Nguyen T, Jouanno E, Severac D, Braasch I, Journot L, Pontarotti P, Klopp C7, Postlethwait JH, Guiguen Y, Bobe J. (2016) [Gene evolution and gene expression after whole genome duplication in fish: the PhyloFish database](#). BMC Genomics. 2016 May 18;17(1):368. doi: 10.1186/s12864-016-2709-z.
- Kneitz S, Mishra RR, Chalopin D, Postlethwait J, Warren WC, Walter RB, Schartl M. (2016) [Germ cell and tumor associated piRNAs in the medaka and Xiphophorus melanoma models](#). BMC Genomics. 2016 May 17;17(1):357. doi: 10.1186/s12864-016-2697-z.
- Desvignes T, Detrich HW 3rd, Postlethwait JH. (2016) [Genomic conservation of erythropoietic microRNAs \(erythromiRs\) in white-blooded Antarctic icefish](#). Mar Genomics. 2016 May 14. pii: S1874-7787(16)30037-X. doi: 10.1016/j.margen.2016.04.013. [Epub ahead of print].

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12. Lin JC, Hu S, Ho PH, Hsu HJ, Postlethwait J, Chung BC. (2016) [Corrigendum. Two zebrafish hsd3b genes are distinct in function, expression and evolution](#). *Endocrinology*. 2016 Feb;157(2):978. doi: 10.1210/en.2015-2019. Epub 2016 Jan 11.
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16. Schartl M, Shen Y, Maurus K, Walter R, Tomlinson C, Wilson RK, Postlethwait J, Warren WC. (2015) [Whole Body Melanoma Transcriptome Response in Medaka](#). *PLoS One*. 2015 Dec 29;10(12):e0143057. doi: 10.1371/journal.pone.0143057. eCollection
17. Tallafuss A, Kelly M, Gay L, Gibson D, Batzel P, Karfilis KV, Eisen J, Stankunas K, Postlethwait JH, Washbourne P. (2015) [Transcriptomes of post-mitotic neurons identify the usage of alternative pathways during adult and embryonic neuronal differentiation](#). *BMC Genomics*. 2015 Dec 23;16:1100. doi: 10.1186/s12864-015-2215-8.
18. Desvignes T, Batzel P, Berezikov E, Eilbeck K, Eppig JT, McAndrews MS, Singer A, Postlethwait JH. (2015) [miRNA Nomenclature: A View Incorporating Genetic Origins, Biosynthetic Pathways, and Sequence Variants](#). *Trends Genet.* doi: 10.1016/j.tig.2015.09.002. [Epub ahead of print]
19. Postlethwait JH. (2015) ["Wrecks of Ancient Life": Genetic Variants Vetted by Natural Selection](#). *Genetics*. 200 (3), 675-678.
20. Lin JC, Hu S, Ho PH, Hsu HJ, Postlethwait J, Chung B. (2015) [Two zebrafish hsd3b genes are distinct in function, expression and evolution](#). *Endocrinology*. 156:2854–2862.
21. Furin CG, von Hippel FA, Postlethwait JH, Buck CL, Cresko WA. (2015) [Developmental timing of sodium perchlorate exposure alters angiogenesis, thyroid follicle proliferation and sexual maturation in stickleback](#). *Gen Comp Endocrinol.* 219:24-35.
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42. 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.
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44. 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.
45. 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, Gnirke 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.]
46. 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).]

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and Chemical Screens. *Methods Cell Biol*, Vol.105: p. 461-90. Cambridge, MA.

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