John R. Finnerty

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Boston University |
Academia.edu | Google Scholar | iNaturalist |
Research Gate | YouTube | ORCID: 0000-0001-8576-6774

EDUCATION

Undergraduate	**University of Pennsylvania** Bachelor of Arts in Biology, 1989 *Magna cum laude*
Graduate	**University of Chicago** Doctor of Philosophy in Organismal Biology, 1994 *Departmental Award for Outstanding Dissertation*
Postdoctoral	**University of Chicago** Evolutionary Developmental Biology October 1994 – December 1998

PROFESSIONAL & ADMINISTRATIVE POSITIONS

1999-present	**Assistant / Associate Professor —** Boston University ● Department of Biology; Marine Program; Graduate Program in Bioinformatics; ● Graduate Program in Molecular Biology, Cell Biology and Biochemistry;
2009-2016	**Director —** Boston University Marine Program
2016-2017	**Associate Director —** Boston University Marine Program
2022-present	**Associate Chair — Ecology, Evolution, Behavior & Marine Biology** ● Boston University Department of Biology

AWARDS & RECOGNITION

2013	**Faculty Speaker**, Boston University Matriculation Ceremony; Class of 2017
2013	**Metcalf Award** The Metcalf Cup and Award are Boston University's highest awards for teaching excellence. Each year, the Faculty Teaching Awards Committee selects one Metcalf Cup recipient and two Metcalf Award recipients.
2006	**Gitner Award** Distinguished Teaching in the College of Arts and Sciences, BU
1995	**Outstanding Dissertation in Organismal Biology,** University of Chicago
1988	**Phi Beta Kappa National Honor Society,** University of Pennsylvania

ACADEMIC LEADERSHIP, CURRICULUM DEVELOPMENT & PEDAGOGICAL INNOVATION

2002-2003	**CORE CURRICULUM | Committee to Revise Core Life Science** Led committee to reinvent the Core Curriculum's introductory life science course for non-STEM majors. Developed a course in *Biodiversity — Causes and Consequences*, that examined biodiversity at molecular, organismal, and environmental scales, centered around the issue of sexual reproduction.
2004-2011	**CORE CURRICULUM | CC106 Course Coordinator** ● Responsible for leading team of 4-5 professors and 2 lab instructors. ● Oversaw the development of the reading list and the sequence of lectures, discussions and labs in order to reinforce key learning outcomes. ● **Authored the lab manual**, including five novel lab activities. ● **Developed instructional games and activities** utilized in discussion. ● Organized "Integrating Forums" with invited outside speakers to examine biodiversity issues of contemporary urgency from diverse perspectives.
2004-2011	**CORE CURRICULUM | CC106 Lab Coordinator** ● Oversaw the implementation of the course's five laboratory sessions. ● Responsible for ordering, logistics, and mentoring lab instructors.
2005-2007	**BU MARINE PROGRAM | Committee to Develop New *Marine Science* Major** ● Part of 3-member committee that developed new interdisciplinary *Marine Science* major leveraging existing courses and faculty from three departments.
2009-2016	**BU MARINE PROGRAM | Director** ● Served two 3-year terms as Director. Received unanimous faculty support for reappointment to a second term according to then CAS Dean Virginia Sapiro. ● Oversaw critical expansion in the curriculum, especially the development of new courses for the *Marine Semester*, an innovative research-immersion experience that elevates BU above peer and peer+ institutions. ● Conceived and spearheaded development of six new courses: *Coral Reef Restoration*, *Marine Genomics*, *Marine Policy*, *Scientific Diving*, *Tropical Marine Fisheries*, and *Tropical Marine Invertebrates.* ● Established ongoing partnership with University of Belize, involving BUMP use of Calabash Caye Field Station for four *Marine Semester* field courses. ● Developed new BUMP traditions including the *Marine Semester T-shirt* featuring a photo of BU student(s) in action and a unique commencement ceremony featuring multimedia "Retrospective," student-selected student speaker, and award presentations honoring deceased alumni.
2009-2017	**BU MARINE PROGRAM | Director of Undergraduate Studies** ● Mentored faculty in academic advising. Developed guides for addressing academic issues commonly encountered by Marine Science majors. ● Evaluated academic petitions and established petition repository.
2012-present	**BU MARINE PROGRAM | Curator of BUMP Media Library** ● Conceived and created an open online media library to disseminate photos and videos by BUMP faculty and students: http://bumarine.smugmug.org

ACADEMIC LEADERSHIP, CURRICULUM DEVELOPMENT & PEDAGOGICAL INNOVATION

2012-present	**BU MARINE PROGRAM | Faculty Coordinator for the Belize Program** ● Developed curricular materials for BUMP's seven Belize courses, e.g., "Belize Travel Guide," "Potentially Hazardous Flora & Fauna of Calabash Caye." ● Co-developed seven-part curriculum in "Scientific Snorkeling." ● Compiled detailed site descriptions including photos and videos revealing the biotic and abiotic features of habitats utilized by BUMP courses in Belize. ● Development, maintenance, testing and dissemination of course research infrastructure. Identify critical equipment; coordinate purchases; maintain inventory with links to manuals; coordinate annual testing of equipment. ● Assist instructors in preparing research permit applications and research reports. Compiled and disseminated past permit applications and reports. ● Communicate with Belizean collaborators and regulators. Meet semi-annually with officials/collaborators from Belize Fisheries Department, University of Belize, and Turneffe Atoll Sustainability Association.
2014-2015	**BOSTON UNIVERSITY | Undergrad. Academic Programs & Policies (UAPP)** ● Member of Provost's committee that evaluated proposals for new undergraduate academic courses and programs.
2016-2017	**BOSTON UNIVERSITY | HUB Taskforce on Implementation** ● Member of Provost's committee that developed plans and protocols for implementation of the HUB, BU's new general education requirements.
2020-2021	**BOSTON UNIVERSITY | Learn From Anywhere (LFA) Coach** ● Assisted colleagues in the Biology Department with technical and pedagogical challenges encountered while implementing BU's *Learn From Anywhere* approach to teaching during the early days of the Covid epidemic. ● Attending regular meetings on best practices for teaching that combines in-person as well as synchronous and asynchronous remote learning.
2021-2022	**BOSTON UNIVERSITY | General Education Committee (GEC) member** ● Evaluated courses and co-curricular activities for inclusion in the BU HUB. ● Provided feedback to BU faculty on how to achieve HUB learning outcomes.
2022	**BOSTON UNIVERSITY | HUB Assessment Task Force member** ● Evaluated examples of student work intended to address specific Hub learning outcomes, and generated recommendations for improvements to the Hub.
2020-present	**BU BIOLOGY DEPARTMENT | Curriculum Committee member** ● Member of committee that considers new Biology course proposals, revisions to the Biology concentration, and academic petitions from Biology students.
2022-present	**BU BIOLOGY DEPARTMENT | Associate Chair for EBE & MB Programs** ● Provide leadership and administrative functions for Ecology, Behavior & Evolution and Marine Biology programs within the Department of Biology. ● Coordinate the recruitment of EBE/MB graduate students. ● Optimize the utilization of shared research and teaching infrastructure including basement storage areas, ultra-cold freezers, and conference rooms. ● Compile shared electronic resources and records. ● Foster discussion of faculty concerns and development of community standards within the EBE/MB group that promote diversity and inclusion.

RESEARCH SUPPORT (PI = principal investigator)

2014-20	"NF-kappaB in cnidarian development" [co-PI with Tom Gilmore (PI) and Trevor Siggers (co-PI)] NSF IOS-1354935; $600 K
2011-14	"A functional systems biology approach to investigating the role of Wnt/Beta Catenin in regeneration." [PI] NIH/NIGMS 1 F31 GM095289-01; (Graduate Fellowship for D. Stefanik) $92 K
2009-14	"Rel homology domain signal transduction pathways in the sea anemone *Nematostella vectensis*." [co-PI with Tom Gilmore] NSF MCB-0924749; $573 K
2009-10	"Possible functional diversification of the CP2 and p53 protein families from a common ancestor early in animal evolution—Evidence from the basal animal model *Nematostella vectensis*." [PI, with fellow-PIs U. Hansen and Z-H Xiao] Genome Science Institute, Boston University; $10 K
2008-11	"Developmental evolution of facultative parasitism: Mechanisms underlying body plan remodeling in the sea anemone *Edwardsiella*." [PI] NSF IOS-0818831; $200 K
2007-09	"Microevolution of stress-response. Genetic, developmental, and molecular analyses of a unique NF-kB SNP." [PI] NSF DEB-0710098; (Dissertation Improvement Grant for J. Sullivan.) $10 K
2006-07	"Characterization of the NF-kB stress response pathway in basal animals—Implications for the evolution of immunity, the conservation of coastal ecosystems, and the identification of novel antimicrobial agents." [PI] Boston University; Special Program for Research Initiation; $25 K
2005-08	"Historical introductions and population dynamics of the widely introduced salt marsh anemone *Nematostella*. [PI] Environmental Protection Agency / STAR Fellowship Program F5E11155 (Graduate fellowship for A. Reitzel); $87 K
2002-05	"Axial patterning during embryogenesis, asexual reproduction, and regeneration." [PI; NSF, Evolution of Developmental Mechanisms: IBN-0212773; $262 K
2002	"An automated DNA sequencer for the Department of Biology at Boston University." [co-PI] NSF 0301711; $98 K
1998-02	"The structure, evolution, and deployment of the hox cluster in a basal cnidarian." [co-PI] NSF, Systematics program; 9727244; $299 K
1994-96	Developmental Biology Training Grant, NIH; University of Chicago.
1992	Hinds Fund Research Award, University of Chicago; $2.5 K.
1991-94	Molecular Biology Training Grant. NIH; University of Chicago.
1990	Sigma Xi Research Award.
1989	Searle Fellowship, University of Chicago.

GRADUATE ADVISEES

Name	Yrs	Deg	Publications	Grants & Awards	Post-BU Position
Patrick Burton	'00-05	PhD	20,23,29,32,36,51	Deans Fellowship; Belamarich Award*	**Associate Professor** Wabash College
John Darling	'03-04	na	25,29,30,46		**Senior Research Biologist** EPA
Joseph Ryan[1]	'01-07	PhD	18,29,32,33,38,40		**Associate Professor** U. Florida
Maureen Mazza	'99-07	PhD	29,32,38,39,52,57		**Legal Administrator** Bergman & Song, LLP
Adam Reitzel	'02-08	PhD	25,29,30,31,35,36, 43-49,53-55,57,59,72,73,75	Deans Fellowship, **EPA STAR Fellowship**, Belamarich Award*	**Associate Professor** UNC Charlotte
James Sullivan	'03-08	PhD	28,29,31,33-35,37, 40,41,43-49,53-55,60	Deans Fellowship; **NSF DDIG**	**Executive Director** Sana Biotechnology
Nikki Traylor-Knowles[2]	'05-11	PhD	48,54,56,61,62,75	Warren-McLeod Fellow; **NSF EASPI**	**Associate Professor** University of Miami
Derek Stefanik	'07-14	PhD	59,61,64,68,69,73,	Warren-McLeod Fellow; **NIH F31**	**Postdoctoral Fellow** U. Pennsylvania
Lauren Friedman	'09-14	PhD	68, 69, 78	Warren-McLeod Summer Fellow	**Program Coordinator** Harvard University
Tristan Lubinski	'09-14	PhD	61, 62, 73		**Senior Scientist** Astra Zeneca
Brian Granger[3]	'09-15	PhD	62, 73		**Computational Biologist** The Broad Institute
Elizabeth Burmester[2,4]	'10-17	PhD	76, 79-80, 82, 84, 93, 96, 98	Warren-McLeod Fellow;	**Assistant Professor** Randolph Macon College
Kathryn Lesneksi[2]	'13-20	PhD	80-84, 90, 92, 96, 99	Women Divers Hall of Fame; Warren-McLeod Fellow; PADI Foundation; **Switzer Environmental Fellow**	**Iconic Reefs Monitoring Coordinator** NOAA / Florida Keys National Marine Sanctuary
Linda Nguyen	'13-20	PhD	77, *98*		**Fellow**, Biogen
Karina Scavo	'14-21	PhD	80, 82-90, 92, 94-97,100	**NSF GRFP**; **NSF-OCE-PRF**; Nat. Geo. Young Explorers; Lerner Gray; PADI Foundation; Sigma Xi GIAR; Assoc. Marine Labs Caribbean; Belamarich Award*	**Postdoctoral Fellow** University of Texas
Joanna C. Lee	'17-23	PhD	81, 83, 86, 91, 94-95, 98-99	**NSF GRFP**; Ruth D. Turner Scholarship in Marine Biology; IRES Fellowship;	n/a
Marisol Dothard	'19-21	MA		**NSF GRFP**	Transferred to UCSD
Shalom Entner	'21-	PhD		Whitney Young Jr. Fellowship;	n/a
Zhouyan Si	'22-	MA	94, 95		n/a
Ninon Martinez	'23-	PhD		WWF Russell E. Train fellowship	n/a
Charles Mitchell[5]	'23-	MA			n/a

Co-advised by [1]Andy Baxevanis (NIH/NHGRI), [2]Les Kaufman (BU/Biology), [3]Daniel Segré (BU/Biology), [4]Randi Rotjan (NE Aquarium; BU/Biology), or [5]Alyssa Novak (BU/Earth & Environment); Publication numbers refer to co-authorship on Finnerty lab publications listed in this CV; *Outstanding Dissertation, BU Biology Department;

UNDERGRADUATE RESEARCH ADVISEES (108 of ~150 who authored Honors theses, scientific articles, and/or agency reports)

Name	Yr	Cr	Hon	Awards	Pubs	Grad. Program / Post-BA position
Grace Kwong	01			LV	32	MA (2006) Florida Atlantic University
Michelle Eggen	03	8		UROP		MA (2005) Boston University Med. School
Cassandra Krone	04		●	UROP	36	PhD (2013) UMC Utrecht, Netherlands
Heather A. Marlow	04		●		49	PhD, Organismal Biol., University of Hawai'i
Crystal Morales	05					Research Associate, Beth Israel Hospital
Timothy Chu	06	12	●		72	MD program, Boston Univ. Medical School
Michael D'Emic	06	8	●			Instructor; Stonybrook Univ. Medical School
Brandon Genco	07				43	Fisheries Observer at AIS, N.O.A.A
Oliver C. Joseph	07				43	Unknown
Martha M. Muñoz	07				43	Unknown
Jonathan R. Taffel	07				43	Unknown
Alissa Assad	08	4				Senior Applications Specialist, Meditech
Diana W. Chin	08				43	Unknown
Emily K. Cira	08				43	PhD prog, Marine Biology, Texas A & M
Katherine Dubois	08	4		UROP		Dental Asst; Alaska Isl. Comm. Health Ctr.
Maja Edenius	08	8				PhD program, Biol. Oceanography, WHOI
Sara K. Edquist	08		●	LV	43,72	PhD prog, Zoology, Univ. New Hampshire
Caitlyn B. Genovese	08				72	PhD program, Biology, Univ. Hawaii
Tiffany L. Negri	08				43	Unknown
Robert T. Zuehlke	08				43	Unknown
Izak Mizrahi	09	4				graduate program, BU Medical School
Brittany Wittenberns	09					Veterinary School, University of Florida
Emma Chu	10				64	MS/OD, New Eng. Coll. Optometry
Brendan Gillis	10					PhD program, Marine Biology, Northeastern
Elizabeth Herdter	10					MA Program, Marine Biology, South Florida
Izak Mizrahi	09	4				graduate program, BU Medical School
Pamela Braff	11			UROP		MA Program, Natural Resources, Va. Tech.
Richard Rodriguez	11					Research Associate, Columbia University

Yr. = grad year; Cred. = academic credits for research; Hon. = Honors thesis under my mentorship; Awards: CAS=College of Arts and Sciences Summer Scholar; LV=Larva Vincent Award for Original Research in the Marine Semester; UROP=Undergraduate Research Opportunities Program; NSF=National Science Foundation Graduate Research Fellowship; Pub. Numbers refer to co-authorship on publications or manuscripts in preparation (in italics) listed in this CV.

UNDERGRADUATE RESEARCH ADVISEES (108 of ~150 who authored Honors theses, scientific articles, and/or agency reports)

Name	Yr	Cr	Hon	Award	Pubs	Graduate Program / Post-BA position
Christina Marmet	11					MA Program, Marine Policy, Univ. Miami
Spencer Goodman	12			CAS		unknown
Molly McCargar	12					MA Program; Conservation; Columbia Univ.
Sarah McAnulty	12					PhD Program, Cell. Dev. Biol. UCONN
Christina Stephens	12					unknown
Joanna Grunin	13					unknown
Noelle Olsen	13					unknown
Cara Bornstein	13					MS Program; Forensic Science; Pace Univ.
Erin McLean	13	8	●			PhD program, Marine Biol., U. Rhode Island
Rachel Schweiker	13			UROP		Content Developer at VocaliD
Kyle Woehrle	13	4			*99*	Landscape Gardener / horticulturist
Anya Battaglino	14				82	Professional Hockey Player
Lukas B. DeFilippo	14		●		73	PhD prog in Fisheries, Univ. Washington
Rachel Filter	14	4		UROP		Research Ass't, Brigham & Women's Hosp.
Caitlin Grelotti	14				99	Unknown
Fareesa Hasan	14	4		UROP		Neurodome Administrator, Boston Univ.
Heather Jenkins	14				89	Unknown
Christian A. Kaufman	14				43	Unknown
Allen Li	14				82	Unknown
Alison M. Lorenc	14				73	Unknown
Jessie Mathews	14		●			Marine Sci. Educ., Sailfish Sea Expeditions
Jack Spangler	14				99	Unknown
Calder Atta	15				82	Unknown
Zachary Bengstton	15		●		82,84	Center Lead - NASA DEVELOP
Michael Kowalski	15				82	Unknown
Kirsten Kuhn	15	4			82,84	Prog. Coordinator, BU Academic Advising
Sarah P. Margolis	15				82	Unknown
Matthew Talbot	15				82	Unknown
Marzie Wafapoor	15				82	Unknown

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UNDERGRADUATE RESEARCH ADVISEES (108 of ~160 who authored Honors theses, scientific articles, and/or agency reports)

Name	Yr	Cr	Ho	Awa	Pubs	Graduate Program / Post-BA position
Ekaterina Rar	16				82	Unknown
Sabrina H. Doshi	17				81,*97*	Unknown
Joanna Lee	17	4	●	NS		PhD Program; Marine Biol; Boston U.
Bradley Mather	17				80	Unknown
Karissa Parker	17				*99*	Unknown
Kelly A. Tobin	17				81,*97*	Unknown
John S. Tower	17				81,*97*	Unknown
Emelia Chamberlain	18				80,*99*	PhD prog, UCSD/Scripps Inst.
Beatrice Cheung	18	4			80,84	Unknown
Kathleen Donnellan	18	8	●		81,*97*	US Navy
Natalie Jacomo	18				80,*99*	Unknown
Erika Lee	18			UR		Unknown
Kendall McPherson	18	2			80,*99*	Unknown
Lucy McGinnis	18				80,*99*	Masters Program; Marine Biol; Boston U.
Elena Newmark	18				81,*97*	Unknown
Olivia O'Connor	18				80	Unknown
Jennifer Soukup	18				80	Unknown
Xuqing Chen	19	8	●		83,*99*	Masters Prog., Aquatic Health, VIMS
Roseline N. Ewa	19				80,84	Unknown
Brad Fortunato	19				80,89	Unknown
Amy E. Green	19	2			83,*99*	n/a
Melissa M. Inge	19	4			80,*99*	PhD prog., Cell/Mol Biol, Boston
Ophelia MacDonald	19	10	●		83,*99*	n/a
Julia Russo	19				83	Unknown
John Sullivan	19				80	Unknown
Jacob Taylor	19				80,84	Unknown
Nicole Velandia	19	12	●		80,83,	Unknown
Anna Barcala	20	8	●		83,87	Aquarist, Aquarium at the Boardwalk

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UNDERGRADUATE RESEARCH ADVISEES (108 of ~160						UNDERGRADUATE RESEARCH
Name	**Yr**	**Cr**	**Ho**	**Awa**	**Pubs**	**Name**
David Caron	20				83,89	Unknown
Grace Chu	20				86	Unknown
Olivia Golini	20				86	Unknown
Nicole Haftel	20				83	Unknown
Lara Hakam	20				89	Unknown
Mackenzie Knox	20				86	Unknown
Caitlin Kunis	20				80,*99*	Unknown
Clint Lockwood	20				89	Unknown
Gretchen McCarthy	20				80,*99*	Unknown
Michaela Rogers	20				86	PhD Program, Biology, University of Dayton
Riley Secor	20	4		UR	86,87,93	Grad Prog, Biol. Oceanog., U Rhode Island
Cailey Tone	20				86,87	Unknown
Isabela Trumble	20				83	Unknown
Lauren Knasin	21				86,87	Unknown
Raziel Perez	21	4			90	n/a
Nadiya Prokopyeva	21	8	●		93	n/a
Alexandria Sangermano	21			UR	86,93	n/a
Laura Tsang	21				86,87	n/a
Russell T. Laman	22				86,89	n/a
Nicolle Alvarez	23	4			101	n/a
Carter Gerome	23				101	n/a
Zoe Nelson-Barkan	23				101	n/a
Alizabeth Neville	23				101	n/a
Harsha Pandaraboyina	23				101	n/a
Abigail Sloot	23				101	n/a
Sam Almond	24				101	n/a
Reece Ciampitti	24	8	●			n/a
Reid Thomson	24					n/a
Taylor Walker	24				101	n/a

Yr. = grad year; Cred. = academic credits for research; Hon. = Honors thesis under my mentorship; Awards: CAS=College of Arts and Sciences Summer Scholar; LV=Larva Vincent Award for Original Research in the Marine Semester; UROP=Undergraduate Research Opportunities Program; NSF=National Science Foundation Graduate Research Fellowship; Pub. Numbers refer to co-authorship on publications or manuscripts in preparation (in italics) listed in this CV.

PUBLICATIONS (*corresponding author; **citations**: 11,508; h-index: 45; i10-index: 70; Google Scholar 3/25/24)

1992

1. Finnerty JR, Block BA* (1992) Direct sequencing of mitochondrial DNA detects highly divergent haplotypes in blue marlin (*Makaira nigricans*). Mol. Mar. Biol. Biotech. 1(3): 206-214. **117**

1993

2. Block BA*, **Finnerty JR**, Stewart AF, Kidd J (1993) Evolution of endothermy in fish: mapping physiological traits on a molecular phylogeny. Science 260 (5105): 210-214. **339**

1994

3. Block BA*, **Finnerty JR** (1994) Endothermy in fishes - a phylogenetic analysis of constraints, predispositions, and selection pressures. Environ. Biol. Fish 40(3): 283-302. **190**

4. Finnerty JR, Block BA* (1994) Accounting for endothermy in fishes - response. Science 265(5176): 1250-1251. **5**

5. Finnerty JR (1994) Molecular Phylogeny of the Scombroidei (Teleostei): Implications for the Evolution of Endothermy. PhD Dissertation, University of Chicago, Department of Organismal Biology & Anatomy. **0**

1995

6. Finnerty JR, Block BA* (1995) Evolution of cytochrome-B in the Scombroidei (Teleostei) - Molecular insights into billfish (Istiophoridae and Xiphiidae) relationships. Fish. Bull. 93(1): 78-96. **97**

1996

7. Finnerty JR, Master VA, Irvine S, Kourakis MJ, Warriner S, Martindale MQ* (1996) Homeobox genes in the Ctenophora: identification of paired-type and Hox homologues in the atentaculate ctenophore, *Beroe ovata*. Mol. Mar. Biol. Biotech. 5(4): 249-258. **36**

1997

8. Finnerty JR, Martindale MQ* (1997) Homeoboxes in sea anemones (Cnidaria: Anthozoa): a PCR-based survey of *Nematostella vectensis* and *Metridium senile*. Biol. Bull. 193(1): 62-76. **87**

1998

9. Finnerty JR* (1998) Homeoboxes in sea anemones and other nonbilaterian animals: implications for the evolution of the Hox cluster and the zootype. Curr. Top. Dev. Biol. 40: 211-254. **48**

10. Finnerty JR, Martindale MQ* (1998) The evolution of the Hox cluster: insights from outgroups. Curr. Opin. Genet. Dev. 8(6): 681-7. **110**

1999

11. Finnerty JR, Martindale MQ* (1999) Ancient origins of axial patterning genes: Hox genes and ParaHox genes in the Cnidaria. Evol. Dev. 1(1): 16-23. **154**

12. Roberts CW, **Finnerty JR**, Johnson JJ, Roberts F, Kyle DE, Krell T, Coggins JR, Coombs GH, Milhous WK, Tzipori S, Ferguson DJP, Chakrabarti D, McLeod R* (1999) Shikimate pathway in apicomplexan parasites - Reply. Nature 397(6716): 220. **13**

PUBLICATIONS (Research advisees shown in bold; *corresponding author; **citations**: Google Scholar 3/25/2024)

2000

13. Finnerty JR* (2000) Evolutionary developmental biology - Head start. Nature 408: 778-781. **14**

14. Pasquinelli AE, Reinhart BJ, Slack F, Martindale MQ, Kuroda MI, Maller B, Hayward DC, Ball EE, Degnan B, Muller P, Spring J, Srinivasan A, Fishman M, **Finnerty J**, Corbo J, Levine M, Leahy P, Davidson E, Ruvkun G* (2000) Conservation of the sequence and temporal expression of *let-7* heterochronic regulatory RNA. Nature 408(6808): 86-89. **3411**

2001

15. Finnerty JR* (2001) Cnidarians reveal intermediate stages in the evolution of Hox clusters and axial complexity. Am. Zool. 41(3): 608-620. **38**

2002

16. Martindale MQ, **Finnerty JR**, Henry JQ* (2002). The Radiata and the evolutionary origins of the bilaterian body plan. Mol. Phylogenet. Evol. 24(3): 358-365. **116**

17. Roberts CW, Roberts F, Lyons RE, Kirisits MJ, Mui EJ, **Finnerty J**, Johnson JJ, Ferguson DJP, Coggins JR, Krell T, Coombs GH, Milhous WK, Kyle DE, Tzipori S, Barnwell J, Dame JB, Carlton J, McLeod R* (2002). The shikimate pathway and its branches in apicomplexan parasites. J. Infect. Dis. 185(Suppl.): S25-S36. **230**

2003

18. Ryan JF, Finnerty JR* (2003) CnidBase: The Cnidarian Evolutionary Genomics Database. Nucl. Acids Res. 31(1): 159-63. **30**

19. Schneider SQ, **Finnerty JR**, Martindale MQ* (2003) Protein evolution: structure-function relationships of the oncogene *beta-catenin* in the evolution of multicellular animals. J. Exp. Zool. 295B(1): 25-44. **77**

20. Finnerty JR*, Paulson D, **Burton P**, Pang K, Martindale MQ (2003) Early evolution of a homeobox gene: The ParaHox gene *Gsx* in the Cnidaria and the Bilateria. Evol. Dev. 5: 331-345. **105**

21. Finnerty JR* (2003) The origins of axial patterning in the Metazoa: how old is bilateral symmetry? Int. J. Dev. Biol. 47(7-8): 523-529. **109**

22. Rokas A, King N, **Finnerty JR**, Carroll SB* (2003) Conflicting phylogenetic signals at the base of the metazoan tree. Evol. Dev. 5: 346-360. **124**

2004

23. Finnerty JR*, Pang K, **Burton P**, Paulson D, Martindale MQ (2004) Origins of bilateral symmetry: *Hox* and *Dpp* expression in a sea anemone. Science 304: 1335-1337. **469**

24. Martindale MQ*, Pang K, **Finnerty JR** (2004) Investigating the origins of triploblasty: "Mesodermal" gene expression in a diploblastic animal, the sea anemone, *Nematostella vectensis* (phylum, Cnidaria; Class Anthozoa). **424**

25. Darling JD, Reitzel A, Finnerty JR* (2004) Regional population structure of a widely introduced estuarine invertebrate: *Nematostella vectensis* Stephenson in New England. Mol Ecol 13: 2969-2981. **83**

PUBLICATIONS (Research advisees shown in bold; *corresponding author; **citations**: Google Scholar 3/25/2024)

2005

26. Finnerty JR* (2005) Did internal transport, rather than directed locomotion, favor the evolution of bilateral symmetry in animals? BioEssays. 27: 1174-1180. **67**

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