Phillip A Newmark

List of Publications by Year in Descending Order

80 papers	5,008 citations	36 h-index	70 g-index
120 ext. papers	5,790 ext. citations	8.6 avg, IF	5.9 L-index

#	Paper	IF	Citations
80	Analysis of Morphogenesis and Flagellar Assembly During Spermatogenesis in Planarian Flatworms. *Methods in Molecular Biology*, **2022**, 2364, 199-216	1.4	
79	The good, the bad, and the ugly: From planarians to parasites.. *Current Topics in Developmental Biology*, **2022**, 147, 345-373	5.3	1
78	Schmidtea happens: Re-establishing the planarian as a model for studying the mechanisms of regeneration.. *Current Topics in Developmental Biology*, **2022**, 147, 307-344	5.3	1
77	Somatic regulation of female germ cell regeneration and development in planarians.. *Cell Reports*, **2022**, 38, 110525	10.6	0
76	Cell-type diversity and regionalized gene expression in the planarian intestine. *ELife*, **2020**, 9,	8.9	13
75	The esophageal gland mediates host immune evasion by the human parasite. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 19299-19309	11.5	7
74	Single-cell atlas of the first intra-mammalian developmental stage of the human parasite Schistosoma mansoni. *Nature Communications*, **2020**, 11, 6411	17.4	14
73	From worm to germ: Germ cell development and regeneration in planarians. *Current Topics in Developmental Biology*, **2019**, 135, 127-153	5.3	12
72	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host. *PLoS Biology*, **2019**, 17, e3000485	9.7	7
71	Region-specific regulation of stem cell-driven regeneration in tapeworms. *ELife*, **2019**, 8,	8.9	6
70	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host **2019**, 17, e3000485		
69	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host **2019**, 17, e3000485		
68	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host **2019**, 17, e3000485		
67	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host **2019**, 17, e3000485		
66	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host **2019**, 17, e3000485		
65	Stem cell heterogeneity drives the parasitic life cycle of. *ELife*, **2018**, 7,	8.9	35
64	Prospecting for Planarian Pluripotency. *Cell*, **2018**, 173, 1566-1567	56.2	

63	Fixation, Processing, and Immunofluorescent Labeling of Whole Mount Planarians. *Methods in Molecular Biology*, **2018**, 1774, 353-366	1.4	6
62	Whole-Mount In Situ Hybridization of Planarians. *Methods in Molecular Biology*, **2018**, 1774, 379-392	1.4	9
61	A planarian nidovirus expands the limits of RNA genome size. *PLoS Pathogens*, **2018**, 14, e1007314	7.6	68
60	Genetic dissection of the planarian reproductive system through characterization of Schmidtea mediterranea CPEB homologs. *Developmental Biology*, **2017**, 426, 43-55	3.1	17
59	A premeiotic function for boule in the planarian Schmidtea mediterranea. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3509-18	11.5	10
58	Stem cell progeny contribute to the schistosome host-parasite interface. *ELife*, **2016**, 5, e12473	8.9	34
57	A functional genomics screen in planarians reveals regulators of whole-brain regeneration. *ELife*, **2016**, 5,	8.9	37
56	GPCRs Direct Germline Development and Somatic Gonad Function in Planarians. *PLoS Biology*, **2016** , 14, e1002457	9.7	26
55	NF-YB Regulates Spermatogonial Stem Cell Self-Renewal and Proliferation in the Planarian Schmidtea mediterranea. *PLoS Genetics*, **2016**, 12, e1006109	6	12
54	Mass Spectrometry Imaging and Identification of Peptides Associated with Cephalic Ganglia Regeneration in Schmidtea mediterranea. *Journal of Biological Chemistry*, **2016**, 291, 8109-20	5.4	16
53	On the organ trail: insights into organ regeneration in the planarian. *Current Opinion in Genetics and Development*, **2015**, 32, 37-46	4.9	49
52	A confocal microscopy-based atlas of tissue architecture in the tapeworm Hymenolepis diminuta. *Experimental Parasitology*, **2015**, 158, 31-41	2.1	14
51	Tryptophan hydroxylase Is Required for Eye Melanogenesis in the Planarian Schmidtea mediterranea. *PLoS ONE*, **2015**, 10, e0127074	3.7	13
50	Heal Thy Cell(f): A Single-Cell View of Regeneration. *Developmental Cell*, **2015**, 35, 527-528	10.2	2
49	Planarian ¥kidneysYgo with the flow. *ELife*, **2015**, 4, e09353	8.9	2
48	Preparation of the planarian Schmidtea mediterranea for high-resolution histology and transmission electron microscopy. *Nature Protocols*, **2014**, 9, 661-73	18.8	23
47	A lophotrochozoan-specific nuclear hormone receptor is required for reproductive system development in the planarian. *Developmental Biology*, **2014**, 396, 150-7	3.1	10
46	PIWI homologs mediate histone H4 mRNA localization to planarian chromatoid bodies. *Development (Cambridge)*, **2014**, 141, 2592-601	6.6	28

45	Generation of cell type-specific monoclonal antibodies for the planarian and optimization of sample processing for immunolabeling. *BMC Developmental Biology*, **2014**, 14, 45	3.1	19
44	In situ hybridization protocol for enhanced detection of gene expression in the planarian Schmidtea mediterranea. *BMC Developmental Biology*, **2013**, 13, 8	3.1	179
43	Restoration of anterior regeneration in a planarian with limited regenerative ability. *Nature*, **2013**, 500, 77-80	50.4	99
42	RNA interference by feeding in vitro-synthesized double-stranded RNA to planarians: Methodology and dynamics. *Developmental Dynamics*, **2013**, 242, C1-C1	2.9	4
41	A sex-specific transcription factor controls male identity in a simultaneous hermaphrodite. *Nature Communications*, **2013**, 4, 1814	17.4	39
40	RNA interference by feeding in vitro-synthesized double-stranded RNA to planarians: methodology and dynamics. *Developmental Dynamics*, **2013**, 242, 718-30	2.9	133
39	Follistatin antagonizes activin signaling and acts with notum to direct planarian head regeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 1363-8	11.5	62
38	It's no fluke: the planarian as a model for understanding schistosomes. *PLoS Pathogens*, **2013**, 9, e1003396	7.6	30
37	Adult somatic stem cells in the human parasite Schistosoma mansoni. *Nature*, **2013**, 494, 476-9	50.4	152
36	Functional genomic characterization of neoblast-like stem cells in larval Schistosoma mansoni. *ELife* , **2013**, 2, e00768	8.9	85
35	An RNAi screen reveals intestinal regulators of branching morphogenesis, differentiation, and stem cell proliferation in planarians. *Developmental Cell*, **2012**, 23, 691-704	10.2	90
34	An insulin-like peptide regulates size and adult stem cells in planarians. *International Journal of Developmental Biology*, **2012**, 56, 75-82	1.9	48
33	PRMT5 and the role of symmetrical dimethylarginine in chromatoid bodies of planarian stem cells. *Development (Cambridge)*, **2012**, 139, 1083-94	6.6	65
32	The cell biology of regeneration. *Journal of Cell Biology*, **2012**, 196, 553-62	7.3	92
31	Stem cell-based growth, regeneration, and remodeling of the planarian intestine. *Developmental Biology*, **2011**, 356, 445-59	3.1	94
30	Whole mount in situ hybridization methodology for Schistosoma mansoni. *Molecular and Biochemical Parasitology*, **2011**, 178, 46-50	1.9	45
29	Molecular markers to characterize the hermaphroditic reproductive system of the planarian Schmidtea mediterranea. *BMC Developmental Biology*, **2011**, 11, 69	3.1	38
28	Wound healing and regeneration: time heals all wounds, but sometimes it needs a little help. *Molecular Biology of the Cell*, **2011**, 22, 719	3.5	

27	An atlas for Schistosoma mansoni organs and life-cycle stages using cell type-specific markers and confocal microscopy. *PLoS Neglected Tropical Diseases*, **2011**, 5, e1009	4.8	92
26	A functional genomic screen in planarians identifies novel regulators of germ cell development. *Genes and Development*, **2010**, 24, 2081-92	12.6	81
25	Genome-wide analyses reveal a role for peptide hormones in planarian germline development. *PLoS Biology*, **2010**, 8, e1000509	9.7	183
24	Visions: the art of science. *Molecular Reproduction and Development*, **2010**, 77, 933	2.6	
23	The use of lectins as markers for differentiated secretory cells in planarians. *Developmental Dynamics*, **2010**, 239, 2888-97	2.9	43
22	Emerging patterns in planarian regeneration. *Current Opinion in Genetics and Development*, **2009**, 19, 412-20	4.9	46
21	Gene nomenclature guidelines for the planarian Schmidtea mediterranea. *Developmental Dynamics*, **2008**, 237, 3099-101	2.9	20
20	Germ cell specification and regeneration in planarians. *Cold Spring Harbor Symposia on Quantitative Biology*, **2008**, 73, 573-81	3.9	68
19	nanos function is essential for development and regeneration of planarian germ cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 5901-6	11.5	155
18	Morphogenesis defects are associated with abnormal nervous system regeneration following roboA RNAi in planarians. *Development (Cambridge)*, **2007**, 134, 833-7	6.6	65
17	Regeneration and maintenance of the planarian midline is regulated by a slit orthologue. *Developmental Biology*, **2007**, 307, 394-406	3.1	97
16	A Bruno-like gene is required for stem cell maintenance in planarians. *Developmental Cell*, **2006**, 11, 159-69	10.2	200
15	Planarian homologs of netrin and netrin receptor are required for proper regeneration of the central nervous system and the maintenance of nervous system architecture. *Development (Cambridge)*, **2005**, 132, 3691-703	6.6	209
14	Opening a new can of worms: a large-scale RNAi screen in planarians. *Developmental Cell*, **2005**, 8, 623-4	10.2	19
13	The planarian Schmidtea mediterranea as a model for epigenetic germ cell specification: analysis of ESTs from the hermaphroditic strain. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 18491-6	11.5	128
12	Spliced-leader trans-splicing in freshwater planarians. *Molecular Biology and Evolution*, **2005**, 22, 2048-54	8.3	30
11	Allometric scaling and proportion regulation in the freshwater planarian Schmidtea mediterranea. *Developmental Dynamics*, **2003**, 226, 326-33	2.9	120
10	Ingestion of bacterially expressed double-stranded RNA inhibits gene expression in planarians. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100 Suppl 1, 11861-5	11.5	226

9	Not your father's planarian: a classic model enters the era of functional genomics. *Nature Reviews Genetics*, **2002**, 3, 210-9	30.1	397
8	The Schmidtea mediterranea database as a molecular resource for studying platyhelminthes, stem cells and regeneration. *Development (Cambridge)*, **2002**, 129, 5659-65	6.6	191
7	Bromodeoxyuridine specifically labels the regenerative stem cells of planarians. *Developmental Biology*, **2000**, 220, 142-53	3.1	373
6	Double-stranded RNA specifically disrupts gene expression during planarian regeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 5049-54	11.5	434
5	The use of planarians to dissect the molecular basis of metazoan regeneration. *Wound Repair and Regeneration*, **1998**, 6, 413-20	3.6	22
4	Myocyte differentiation and body wall muscle regeneration in the planarian Girardia tigrina. *Development Genes and Evolution*, **1997**, 207, 306-316	1.8	49
3	Krüppel-like factor 4 is required for development and regeneration of germline and yolk cells from somatic stem cells in planarians		1
2	A planarian nidovirus expands the limits of RNA genome size		2
1	Single-cell atlas of the first intra-mammalian developmental stage of the human parasite Schistosoma mansoni		7