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## Identification of Hedgehog pathway components by RNAi in Drosophila cultured cells

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496	Dissecting mitosis by RNAi in Drosophila tissue culture cells. <b>2003</b> , 5, 153-161		32
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494	Gene silencing through RNA interference: Potential for therapeutics and functional genomics. <b>2003</b> , 10, 361-372		
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492	The completed human genome: implications for chemical biology. <b>2003</b> , 7, 511-5		29
491	Rab23, a negative regulator of hedgehog signaling, localizes to the plasma membrane and the endocytic pathway. <b>2003</b> , 4, 869-84		95
490	Local gene knockdown in the brain using viral-mediated RNA interference. <b>2003</b> , 9, 1539-44		299
489	New tools for functional mammalian cancer genetics. <b>2003</b> , 3, 781-9		247
488	Emerging from hibernation. <b>2003</b> , 4, 329-329		
487	Double dating. <b>2003</b> , 4, 328-328		
486	Emerging from hibernation. <b>2003</b> , 4, 338-338		
485	In vivo gene silencing in Plasmodium berghei—a mouse malaria model. <b>2003</b> , 309, 506-11		52
484	Gene silencing through RNA interference: Potential for therapeutics and functional genomics. <b>2003</b> , 10, 361-372		2
483	Identification of modulators of TRAIL-induced apoptosis via RNAi-based phenotypic screening. <b>2003</b> , 12, 627-37		301
482	Hedgehog signal transduction via Smoothed association with a cytoplasmic complex scaffolded by the atypical kinesin, Costal-2. <b>2003</b> , 12, 1261-74		209
481	RNAi on the apoptosis TRAIL: the mammalian cell genetic screen comes of age. <b>2003</b> , 5, 534-5		8
480	Transport of dsRNA into cells by the transmembrane protein SID-1. <i>Science</i> , <b>2003</b> , 301, 1545-7	33.3	424

479	Heparan sulfate core proteins in cell-cell signaling. <b>2003</b> , 37, 461-84		119
478	Wnts and Hedgehogs: lipid-modified proteins and similarities in signaling mechanisms at the cell surface. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 5297-305	6.6	234
477	The glypican Dally-like is required for Hedgehog signalling in the embryonic epidermis of <i>Drosophila</i> . <i>Development (Cambridge)</i> , <b>2003</b> , 130, 6245-55	6.6	116
476	Transgenesis and reverse genetics of mosquito innate immunity. <b>2003</b> , 206, 3835-43		27
475	Running interference for hedgehog signaling. <i>Science Signaling</i> , <b>2003</b> , 2003, PE30	8.8	2
474	Lighting The Circle of Life: Fluorescent Sensors for Covert Surveillance of the Cell Cycle. <b>2003</b> , 2, 544-548		19
473	Nervous System. <b>2004</b> , 237-252		1
472	. <b>2004</b> ,		1
471	<i>Drosophila</i> glypicans control the cell-to-cell movement of Hedgehog by a dynamin-independent process. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 601-11	6.6	189
470	siRNAs: mechanism of RNA interference, in vivo and potential clinical applications. <b>2004</b> , 3, 1069-74		37
469	RNA interference: from model organisms towards therapy for neural and neuromuscular disorders. <b>2004</b> , 13 Spec No 2, R275-88		50
468	Technique review: how to use RNA interference. <b>2004</b> , 3, 68-83		15
467	Global phenotypic analysis and transcriptional profiling defines the weak acid stress response regulon in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 706-20	3.5	137
466	Biochemical characterization of the <i>Drosophila</i> wingless signaling pathway based on RNA interference. <b>2004</b> , 24, 2012-24		48
465	Abrogation of heparan sulfate synthesis in <i>Drosophila</i> disrupts the Wingless, Hedgehog and Decapentaplegic signaling pathways. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 1927-38	6.6	183
464	Incredible journey: how do developmental signals travel through tissue?. <b>2004</b> , 18, 2985-97		92
463	Wingless, hedgehog and heparan sulfate proteoglycans. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 2509-11; author reply 2511-3	6.6	30
462	Effects of length and location on the cellular response to double-stranded RNA. <b>2004</b> , 68, 432-52, table of contents		86

461	ORFeome cloning and systems biology: standardized mass production of the parts from the parts-list. <b>2004</b> , 14, 2001-9		63
460	Patched controls the Hedgehog gradient by endocytosis in a dynamin-dependent manner, but this internalization does not play a major role in signal transduction. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 2395-408	6.6	136
459	Genome-wide RNAi as a route to gene function in Drosophila. <b>2004</b> , 3, 168-76		41
458	Casein kinase Iepsilon plays a functional role in the transforming growth factor-beta signaling pathway. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 29236-46	5.4	38
457	Extensive phosphorylation of Smoothened in Hedgehog pathway activation. <b>2004</b> , 101, 17900-7		154
456	Genes required for Drosophila nervous system development identified by RNA interference. <b>2004</b> , 101, 16216-21		50
455	The Kinesin-related protein Costal2 associates with membranes in a Hedgehog-sensitive, Smoothened-independent manner. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 7064-71	5.4	33
454	Small interfering RNA production by enzymatic engineering of DNA (SPEED). <b>2004</b> , 101, 5494-9		101
453	A functional genomic screen for cardiogenic genes using RNA interference in developing Drosophila embryos. <b>2004</b> , 101, 159-64		89
452	Hedgehog signaling and congenital malformations. <b>2005</b> , 67, 193-208		110
451	SuperSAGE. <b>2005</b> , 7, 11-8		74
450	5,000 RNAi experiments on a chip. <b>2004</b> , 1, 103-4		9
449	SNPs made routine. <b>2004</b> , 1, 104-5		6
448	RNAi living-cell microarrays for loss-of-function screens in Drosophila melanogaster cells. <b>2004</b> , 1, 127-32		123
447	siRNAs: applications in functional genomics and potential as therapeutics. <b>2004</b> , 3, 318-29		718
446	Systematic genome-wide screens of gene function. <b>2004</b> , 5, 11-22		261
445	Improving the efficiency of RNA interference in mammals. <b>2004</b> , 5, 355-65		247
444	Gene therapy progress and prospects. Downregulating gene expression: the impact of RNA interference. <b>2004</b> , 11, 1241-8		108

443	Failure of a medulloblastoma-derived mutant of SUFU to suppress WNT signaling. <b>2004</b> , 23, 4577-83	66
442	RNAi in a postmodern, postgenomic era. <b>2004</b> , 23, 8336-9	14
441	High-throughput gene silencing using cell arrays. <b>2004</b> , 23, 8353-8	44
440	Using RNAi to catch Drosophila genes in a web of interactions: insights into cancer research. <b>2004</b> , 23, 8359-65	41
439	Oncology studies using siRNA libraries: the dawn of RNAi-based genomics. <b>2004</b> , 23, 8384-91	46
438	RNAi and HTS: exploring cancer by systematic loss-of-function. <b>2004</b> , 23, 8392-400	49
437	A resource for large-scale RNA-interference-based screens in mammals. <b>2004</b> , 428, 427-31	561
436	A large-scale RNAi screen in human cells identifies new components of the p53 pathway. <b>2004</b> , 428, 431-7	842
435	Functional interactions between receptors in bacterial chemotaxis. <b>2004</b> , 428, 437-41	342
434	Genome-wide survey of protein kinases required for cell cycle progression. <b>2004</b> , 432, 980-7	286
433	Hedgehog signalling activity of Smoothened requires phosphorylation by protein kinase A and casein kinase I. <b>2004</b> , 432, 1045-50	271
432	Axonal heparan sulfate proteoglycans regulate the distribution and efficiency of the repellent slit during midline axon guidance. <b>2004</b> , 14, 499-504	172
431	Regulation of Hedgehog signaling: a complex story. <b>2004</b> , 67, 805-14	90
430	Hedgehog signalling in foregut malignancy. <b>2004</b> , 68, 1055-60	72
429	Gene silencing of selected calcium-signalling molecules in a Drosophila cell line using double-stranded RNA interference. <b>2004</b> , 35, 131-9	10
428	The Hedgehog response network: sensors, switches, and routers. <i>Science</i> , <b>2004</b> , 304, 1755-9	33-3 703
427	Hedgehog: an unusual signal transducer. <b>2004</b> , 26, 387-94	78
426	Indian hedgehog and syndecans-3 coregulate chondrocyte proliferation and function during chick limb skeletogenesis. <b>2004</b> , 229, 607-17	53

425	Lessons learned from the development of imatinib. <b>2004</b> , 28 Suppl 1, S29-38		47
424	Tools for target identification and validation. <b>2004</b> , 8, 371-7		70
423	An approach to genomewide screens of expressed small interfering RNAs in mammalian cells. <b>2004</b> , 101, 135-40		185
422	Glypican-3 and alphafetoprotein as diagnostic tests for hepatocellular carcinoma. <b>2004</b> , 8, 207-12		73
421	Novel lipid modifications of secreted protein signals. <b>2004</b> , 73, 891-923		280
420	Plant genomics: the third wave. <b>2004</b> , 5, 443-77		59
419	Functions of heparan sulfate proteoglycans in cell signaling during development. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 6009-21	6.6	510
418	Spatial regulation of Wiggless morphogen distribution and signaling by Dally-like protein. <b>2004</b> , 7, 513-23		141
417	Opposing activities of Dally-like glypican at high and low levels of Wiggless morphogen activity. <b>2004</b> , 7, 503-12		182
416	Development through the eyes of functional genomics. <b>2004</b> , 14, 336-42		12
415	Genome-wide high-throughput screens in functional genomics. <b>2004</b> , 14, 470-6		41
414	Ecdysone receptor-dependent gene regulation mediates histone poly(ADP-ribosylation). <b>2004</b> , 320, 268-72		20
413	siRNA-directed silencing of transgene expressed in cultured insect cells. <b>2004</b> , 320, 428-34		32
412	Genome-wide RNAi analysis of growth and viability in <i>Drosophila</i> cells. <i>Science</i> , <b>2004</b> , 303, 832-5	33.3	611
411	High-throughput target validation in model organisms. <b>2004</b> , 3, 191-197		5
410	The Wnt signaling pathway in development and disease. <i>Annual Review of Cell and Developmental Biology</i> , <b>2004</b> , 20, 781-810	12.6	4111
409	Functional identification of cancer-relevant genes through large-scale RNA interference screens in mammalian cells. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2004</b> , 69, 439-45	3.9	16
408	Syndecan-2 is essential for angiogenic sprouting during zebrafish development. <b>2004</b> , 103, 1710-9		128

407	RNA Interference in Mammals: Journey to the Center of Human Disease. <b>2004</b> , 55-72		
406	Nonconventional antisense in zebrafish for functional genomics applications. <b>2004</b> , 77, 121-36		22
405	Dissecting cancer pathways and vulnerabilities with RNAi. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2005</b> , 70, 435-44	3.9	27
404	Dicer in RNAi: Its roles in vivo and utility in vitro. <b>2005</b> , 29-54		
403	The mechanism of hedgehog signal transduction. <b>2005</b> , 33, 1509-1512		20
402	The mechanism of hedgehog signal transduction. <b>2005</b> , 33, 1509-12		37
401	RNA interference technologies for understanding and treating neurodegenerative diseases. <b>2004</b> , 6, 1-12		2
400	Functional genomics and transcriptomics of prostate cancer: promises and limitations. <b>2005</b> , 96 Suppl 2, 10-5		6
399	Genome-wide screening for gene function using RNAi in mammalian cells. <b>2005</b> , 83, 217-23		137
398	Cell microarrays and RNA interference chip away at gene function. <b>2005</b> , 37 Suppl, S25-30		193
397	A genome-wide RNA interference screen in <i>Drosophila melanogaster</i> cells for new components of the Hh signaling pathway. <b>2005</b> , 37, 1323-32		159
396	Emerging technologies for gene manipulation in <i>Drosophila melanogaster</i> . <b>2005</b> , 6, 167-78		165
395	Reconstruction of cellular signalling networks and analysis of their properties. <b>2005</b> , 6, 99-111		408
394	Communicating with Hedgehogs. <b>2005</b> , 6, 306-17		646
393	Heparan sulphate proteoglycans: the sweet side of development. <b>2005</b> , 6, 530-41		540
392	RNA interference and potential therapeutic applications of short interfering RNAs. <b>2005</b> , 12, 787-95		100
391	Inhibitor of apoptosis 2 and TAK1-binding protein are components of the <i>Drosophila</i> Imd pathway. <i>EMBO Journal</i> , <b>2005</b> , 24, 3423-34	13	169
390	Full-genome RNAi profiling of early embryogenesis in <i>Caenorhabditis elegans</i> . <b>2005</b> , 434, 462-9		717

389	Hedgehog signaling: an Arrestin connection?. <b>2005</b> , 15, R175-8		9
388	The heparan sulfate proteoglycans Dally-like and Syndecan have distinct functions in axon guidance and visual-system assembly in <i>Drosophila</i> . <b>2005</b> , 15, 833-8		55
387	Functional genomics using high-throughput RNA interference. <b>2005</b> , 10, 205-12		43
386	New directions in incidence-dose modeling. <b>2005</b> , 23, 122-7		41
385	Dose-response modeling in reproductive toxicology in the systems biology era. <b>2005</b> , 19, 327-37		24
384	Mechanisms of Hedgehog gradient formation and interpretation. <b>2005</b> , 64, 334-56		60
383	Heparan sulfate proteoglycans exert positive and negative effects in Shh activity. <b>2005</b> , 96, 831-8		24
382	Hedgehog signaling controls Soma-Germen interactions during <i>Drosophila</i> ovarian morphogenesis. <b>2005</b> , 234, 422-31		12
381	Ion channels: molecular targets of neuroactive insecticides. <b>2005</b> , 5, 119-33		155
380	Gene silencing through RNA interference: Potential for therapeutics and functional genomics. <b>2005</b> , 10, 361-372		
379	RNA interference technology in the discovery and validation of druggable targets. <b>2005</b> , 347-360		
378	Tools for integrative genomics: Genome-wide RNAi and expression profiling in <i>Drosophila</i> . <b>2005</b> , 433-446		
377	High-throughput RNA interference. <b>2005</b> , 470-479		
376	High-throughput RNAi screening in vitro: from cell lines to primary cells. <b>2005</b> , 11, 985-93		78
375	The end of "naive reductionism": rise of systems biology or renaissance of physiology?. <i>American Journal of Physiology - Cell Physiology</i> , <b>2005</b> , 288, C968-74	5-4	95
374	Cell biology. Wnt signaling glows with RNAi. <i>Science</i> , <b>2005</b> , 308, 801-3	33-3	5
373	Glypican-3 promotes the growth of hepatocellular carcinoma by stimulating canonical Wnt signaling. <b>2005</b> , 65, 6245-54		379
372	<i>Drosophila</i> glypicans Dally and Dally-like shape the extracellular Wingless morphogen gradient in the wing disc. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 667-79	6.6	167



371	E-RNAi: a web application to design optimized RNAi constructs. <b>2005</b> , 33, W582-8		69
370	High-throughput RNA interference screens in Drosophila tissue culture cells. <b>2005</b> , 392, 55-73		59
369	High-throughput RNA interference strategies for target discovery and validation by using synthetic short interfering RNAs: functional genomics investigations of biological pathways. <b>2005</b> , 392, 242-77		34
368	Drosophila nutrigenomics can provide clues to human gene-nutrient interactions. <b>2005</b> , 25, 499-522		40
367	The loss of glypican-3 induces alterations in Wnt signaling. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 2116-25	5-4	171
366	Glypicans shunt the Wingless signal between local signalling and further transport. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 659-66	6.6	114
365	Identification of the Wnt signaling activator leucine-rich repeat in Flightless interaction protein 2 by a genome-wide functional analysis. <b>2005</b> , 102, 1927-32		64
364	Processing by convertases is not required for glypican-3-induced stimulation of hepatocellular carcinoma growth. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 41201-6	5-4	42
363	A screen for genes regulating the wingless gradient in Drosophila embryos. <i>Genetics</i> , <b>2005</b> , 170, 749-66	4	5
362	RNA interference: from gene silencing to gene-specific therapeutics. <b>2005</b> , 107, 222-39		285
361	Drosophila Smoothened phosphorylation sites essential for Hedgehog signal transduction. <b>2005</b> , 7, 86-92		132
360	Functional gene-discovery systems based on libraries of hammerhead and hairpin ribozymes and short hairpin RNAs. <b>2005</b> , 1, 27-35		4
359	Rnai as an experimental and therapeutic tool to study and regulate physiological and disease processes. <b>2005</b> , 67, 147-73		90
358	The Drosophila ortholog of the human Wnt inhibitor factor Shifted controls the diffusion of lipid-modified Hedgehog. <b>2005</b> , 8, 241-53		95
357	Hedgehog-regulated Costal2-kinase complexes control phosphorylation and proteolytic processing of Cubitus interruptus. <b>2005</b> , 8, 267-78		163
356	A functional genomics approach to identify new regulators of Wnt signaling. <b>2005</b> , 8, 624-6		9
355	Phosphorylation by double-time/CKIepsilon and CKIalpha targets cubitus interruptus for Slimb/beta-TRCP-mediated proteolytic processing. <b>2005</b> , 9, 819-30		122
354	Temporal modulation of the Hedgehog morphogen gradient by a patched-dependent targeting to lysosomal compartment. <b>2005</b> , 277, 51-62		46

353	Altered hematopoiesis in glypican-3-deficient mice results in decreased osteoclast differentiation and a delay in endochondral ossification. <b>2005</b> , 282, 152-62		41
352	Expression of a secreted form of Dally, a Drosophila glypican, induces overgrowth phenotype by affecting action range of Hedgehog. <b>2005</b> , 284, 204-18		52
351	Use of RNA interference to dissect the roles of trans-acting factors in alternative pre-mRNA splicing. <b>2005</b> , 37, 341-4		12
350	Genome scale cytometry: High content analysis for high throughput RNAi phenotype profiling. <b>2005</b> , 2, 141-7		8
349	Expression cloning screening of a unique and full-length set of cDNA clones is an efficient method for identifying genes involved in Xenopus neurogenesis. <b>2005</b> , 122, 289-306		27
348	Pax9 and Jagged1 act downstream of Gli3 in vertebrate limb development. <b>2005</b> , 122, 1218-33		84
347	RNAi in Drosophila. <b>2005</b> , 61-100		
346	Analysis of cell-based RNAi screens. <b>2006</b> , 7, R66		234
345	How does cholesterol affect the way Hedgehog works?. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 3055-61	6.6	25
344	RNA Towards Medicine. <b>2006</b> ,		
343	Characterization of the Drosophila melanogaster ribosomal proteome. <b>2006</b> , 5, 2025-32		18
342	Signaling from Smo to Ci/Gli: conservation and divergence of Hedgehog pathways from Drosophila to vertebrates. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 3-14	6.6	372
341	Signal integration during development: mechanisms of EGFR and Notch pathway function and cross-talk. <b>2006</b> , 41, 339-85		108
340	A lentiviral RNAi library for human and mouse genes applied to an arrayed viral high-content screen. <b>2006</b> , 124, 1283-98		1340
339	The ihog cell-surface proteins bind Hedgehog and mediate pathway activation. <b>2006</b> , 125, 343-57		177
338	New "hogs" in Hedgehog transport and signal reception. <b>2006</b> , 125, 435-8		23
337	Generation of variable and fixed length siRNA from a novel siRNA expression vector. <b>2006</b> , 345, 99-105		
336	Divergence of hedgehog signal transduction mechanism between Drosophila and mammals. <b>2006</b> , 10, 177-86		190

335	The cell surface membrane proteins Cdo and Boc are components and targets of the Hedgehog signaling pathway and feedback network in mice. <b>2006</b> , 10, 647-56		298
334	Cdo functions at multiple points in the Sonic Hedgehog pathway, and Cdo-deficient mice accurately model human holoprosencephaly. <b>2006</b> , 10, 657-65		206
333	Scube2 mediates Hedgehog signalling in the zebrafish embryo. <b>2006</b> , 294, 104-18		75
332	Regulation of wingless signaling by the CKI family in Drosophila limb development. <b>2006</b> , 299, 221-37		35
331	The HSPGs Syndecan and Dallylike bind the receptor phosphatase LAR and exert distinct effects on synaptic development. <b>2006</b> , 49, 517-31		208
330	Bibliography. 299-316		
329	Drosophila genome-wide RNAi screens: are they delivering the promise?. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2006</b> , 71, 141-8	3.9	20
328	High-throughput RNA interference in functional genomics. <b>2006</b> , 97-104		7
327	High-throughput RNAi screening in cultured cells: a user's guide. <b>2006</b> , 7, 373-84		304
326	Building mammalian signalling pathways with RNAi screens. <b>2006</b> , 7, 177-87		179
325	Identification of pathways regulating cell size and cell-cycle progression by RNAi. <b>2006</b> , 439, 1009-13		218
324	Prevalence of off-target effects in Drosophila RNA interference screens. <b>2006</b> , 443, 359-63		247
323	Boc is a receptor for sonic hedgehog in the guidance of commissural axons. <b>2006</b> , 444, 369-73		231
322	C-terminal-binding protein directly activates and represses Wnt transcriptional targets in Drosophila. <i>EMBO Journal</i> , <b>2006</b> , 25, 2735-45	13	134
321	Intersection of signal transduction pathways and development. <b>2006</b> , 40, 139-57		36
320	Decoding the Hedgehog signal in animal development. <i>Cellular and Molecular Life Sciences</i> , <b>2006</b> , 63, 1249-65	10.3	90
319	Targeting loss-of-function mutations in tumor-suppressor genes as a strategy for development of cancer therapeutic agents. <b>2006</b> , 33, 513-20		22
318	RNAi and microRNAs: from animal models to disease therapy. <b>2006</b> , 78, 150-71		15

317	Toward a global picture of development: lessons from genome-scale analysis in <i>Caenorhabditis elegans</i> embryonic development. <b>2006</b> , 235, 2009-17		5
316	The endocytic pathway and formation of the Wingless morphogen gradient. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 307-17	6.6	138
315	Evidence for the direct involvement of $\beta$ TrCP in Gli3 protein processing. <b>2006</b> , 103, 33-8		225
314	Roles of O-fucosyltransferase 1 and O-linked fucose in notch receptor function. <b>2006</b> , 417, 111-26		7
313	Internalization is required for proper Wingless signaling in <i>Drosophila melanogaster</i> . <i>Journal of Cell Biology</i> , <b>2006</b> , 173, 95-106	7.3	132
312	Hedgehog lipid modifications are required for Hedgehog stabilization in the extracellular matrix. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 471-83	6.6	106
311	Cellular phenotyping by RNAi. <b>2006</b> , 5, 52-6		33
310	Signal dynamics in Sonic hedgehog tissue patterning. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 889-900	6.6	93
309	Small interfering RNA screens reveal enhanced cisplatin cytotoxicity in tumor cells having both BRCA network and TP53 disruptions. <b>2006</b> , 26, 9377-86		159
308	Developmental control of nuclear morphogenesis and anchoring by charleston, identified in a functional genomic screen of <i>Drosophila</i> cellularisation. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 711-23	6.6	69
307	Structure of a heparin-dependent complex of Hedgehog and Ihog. <b>2006</b> , 103, 17208-13		71
306	Hedgehog-Gli Signaling in Human Disease. <b>2006</b> ,		10
305	Human receptors patched and smoothed partially transduce hedgehog signal when expressed in <i>Drosophila</i> cells. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 28584-95	5.4	16
304	Identification of phosphatases for Smad in the BMP/DPP pathway. <b>2006</b> , 20, 648-53		97
303	CKI, there's more than one: casein kinase I family members in Wnt and Hedgehog signaling. <b>2006</b> , 20, 399-410		197
302	A genomewide screen for components of the RNAi pathway in <i>Drosophila</i> cultured cells. <b>2006</b> , 103, 11880-5		50
301	Muscle Development in <i>Drosophila</i> . <b>2006</b> ,		13
300	Whole Genome Approaches to Studying <i>Drosophila</i> Muscle Development. <b>2006</b> , 157-168		

299	Genome-scale analysis reveals Sst2 as the principal regulator of mating pheromone signaling in the yeast <i>Saccharomyces cerevisiae</i> . <b>2006</b> , 5, 330-46		47
298	Silencing of genes in cultured <i>Drosophila</i> neurons by RNA interference. <b>2007</b> , 104, 12925-30		4
297	Matter arising: off-targets and genome-scale RNAi screens in <i>Drosophila</i> . <b>2007</b> , 1, 1-5		28
296	Hedgehog Signaling Protocols. <i>Methods in Molecular Biology</i> , <b>2007</b> ,	1.4	
295	Validation of short interfering RNA knockdowns by quantitative real-time PCR. <i>Methods in Molecular Biology</i> , <b>2007</b> , 353, 177-203	1.4	12
294	Hedgehog signaling. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 3-6	5.3	104
293	Heparan sulfate proteoglycans at a glance. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 1829-32	5.3	79
292	Applications of high-throughput RNA interference screens to problems in cell and developmental biology. <i>Genetics</i> , <b>2007</b> , 175, 7-16	4	83
291	Wnt/ $\beta$ catenin-mediated transcriptional regulation. <b>2007</b> , 17, 1-60		9
290	Expanded and fat regulate growth and differentiation in the <i>Drosophila</i> eye through multiple signaling pathways. <b>2007</b> , 305, 187-201		88
289	<i>Drosophila</i> glypican Dally-like acts in FGF-receiving cells to modulate FGF signaling during tracheal morphogenesis. <b>2007</b> , 312, 203-16		42
288	The cell biology of Smo signalling and its relationships with GPCRs. <b>2007</b> , 1768, 901-12		32
287	Parkinson's Disease. <b>2007</b> ,		1
286	A case study of the reproducibility of transcriptional reporter cell-based RNAi screens in <i>Drosophila</i> . <b>2007</b> , 8, R203		31
285	Expanding the repertoire of RNA interference screens for developing new anticancer drug targets. <b>2007</b> , 11, 1429-41		13
284	Protocols for Nucleic Acid Analysis by Nonradioactive Probes. <b>2007</b> ,		1
283	Kinetic and structural studies on interactions between heparin or heparan sulfate and proteins of the hedgehog signaling pathway. <b>2007</b> , 46, 3933-41		63
282	Biologically Motivated Approaches to Extrapolation from High to Low Doses and the Advent of Systems Biology: The Road to Toxicological Safety Assessment. <b>2007</b> , 13, 52-56		2

281	Quantitative analysis of Hedgehog gradient formation using an inducible expression system. <b>2007</b> , 7, 43		8
280	Design and implementation of high-throughput RNAi screens in cultured Drosophila cells. <i>Nature Protocols</i> , <b>2007</b> , 2, 2245-64	18.8	93
279	Shifting paradigms in Hedgehog signaling. <b>2007</b> , 19, 159-65		100
278	Drug-target identification in Drosophila cells: combining high-throughput RNAi and small-molecule screens. <b>2007</b> , 12, 28-33		38
277	Quantitative and Qualitative Cellular Genomics: High Content Analysis as an End Point for HT-RNAi Phenotype Profiling Using GEQ IN Cell Platform. <b>2008</b> , 355-369		
276	Opposing roles for glypicans in Hedgehog signalling. <b>2008</b> , 10, 761-3		20
275	From sequence to function: using RNAi to elucidate mechanisms of human disease. <b>2008</b> , 15, 809-19		21
274	Improving predictive modeling in pediatric drug development: pharmacokinetics, pharmacodynamics, and mechanistic modeling. <b>2005</b> , 1053, 505-18		3
273	Defining a modular signalling network from the fly interactome. <b>2008</b> , 2, 45		9
272	Costal2 functions as a kinesin-like protein in the hedgehog signal transduction pathway. <b>2008</b> , 18, 1215-20		39
271	Glypican-mediated endocytosis of Hedgehog has opposite effects in flies and mice. <b>2008</b> , 18, 360-3		36
270	Kinome siRNA screen identifies regulators of ciliogenesis and hedgehog signal transduction. <i>Science Signaling</i> , <b>2008</b> , 1, ra7	8.8	70
269	Glypicans. <b>2008</b> , 9, 224		398
268	Drosophila. <i>Methods in Molecular Biology</i> , <b>2008</b> ,	1.4	11
267	Drosophila cell lines as model systems and as an experimental tool. <i>Methods in Molecular Biology</i> , <b>2008</b> , 420, 391-424	1.4	36
266	Identification of JAK/STAT pathway regulators--insights from RNAi screens. <b>2008</b> , 19, 360-9		24
265	The decoupling of Smoothened from Galphai proteins has little effect on Gli3 protein processing and Hedgehog-regulated chick neural tube patterning. <b>2008</b> , 321, 188-96		54
264	Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling. <b>2008</b> , 133, 537-48		150

263	Cellular trafficking of the glypican Dally-like is required for full-strength Hedgehog signaling and wingless transcytosis. <b>2008</b> , 14, 712-25		141
262	Glypican-3 inhibits Hedgehog signaling during development by competing with patched for Hedgehog binding. <b>2008</b> , 14, 700-11		262
261	Hedgehog signaling in development and cancer. <b>2008</b> , 15, 801-12		830
260	Disruption of <i>Spodoptera exigua</i> larval development by silencing chitin synthase gene A with RNA interference. <b>2008</b> , 98, 613-9		81
259	<i>Drosophila melanogaster</i> and the development of biology in the 20th century. <i>Methods in Molecular Biology</i> , <b>2008</b> , 420, 1-25	1.4	39
258	Hedgehog: functions and mechanisms. <b>2008</b> , 22, 2454-72		901
257	Mammalian Notum induces the release of glypicans and other GPI-anchored proteins from the cell surface. <b>2008</b> , 410, 503-11		134
256	A unique protection signal in <i>Cubitus interruptus</i> prevents its complete proteasomal degradation. <b>2008</b> , 28, 5555-68		20
255	A screen for modifiers of hedgehog signaling in <i>Drosophila melanogaster</i> identifies <i>swm</i> and <i>mts</i> . <i>Genetics</i> , <b>2008</b> , 178, 1399-413	4	18
254	RNAi screening of the tyrosine kinome identifies therapeutic targets in acute myeloid leukemia. <b>2008</b> , 111, 2238-45		62
253	. <b>2008</b> ,		3
252	Computational Systems Biology Modeling of Dosimetry and Cellular Response Pathways. 155-173		
251	Infection induces a survival program and local remodeling in the airway epithelium of the fly. <b>2009</b> , 23, 2045-54		32
250	This paper has been retracted. Retraction notice is found at <a href="http://nar.oxfordjournals.org/cgi/content/full/37/15/5234">http://nar.oxfordjournals.org/cgi/content/full/37/15/5234</a> . <b>2009</b> ,		
249	Shaping morphogen gradients by proteoglycans. <b>2009</b> , 1, a002493		243
248	PP4 and PP2A regulate Hedgehog signaling by controlling Smo and Ci phosphorylation. <i>Development (Cambridge)</i> , <b>2009</b> , 136, 307-16	6.6	68
247	A network-based integrative approach to prioritize reliable hits from multiple genome-wide RNAi screens in <i>Drosophila</i> . <b>2009</b> , 10, 220		33
246	Chromosome dynamics: the case of the missing condensin. <b>2009</b> , 19, R127-9		

245	Hedgehog signaling: is Smo a G protein-coupled receptor?. <b>2009</b> , 19, R125-7		35
244	siRNAs: their potential as therapeutic agents--Part II. Methods of delivery. <b>2009</b> , 14, 859-65		31
243	Overgrowth of a mouse model of Simpson-Golabi-Behmel syndrome is partly mediated by Indian hedgehog. <b>2009</b> , 10, 901-7		42
242	Proteoglycan interactions with Sonic Hedgehog specify mitogenic responses. <b>2009</b> , 12, 409-17		64
241	The structure of SHH in complex with HHIP reveals a recognition role for the Shh pseudo active site in signaling. <i>Nature Structural and Molecular Biology</i> , <b>2009</b> , 16, 691-7	17.6	108
240	Systemic RNA interference for the study of learning and memory in an insect. <b>2009</b> , 179, 9-15		42
239	The core protein of glypican Dally-like determines its biphasic activity in wingless morphogen signaling. <b>2009</b> , 17, 470-81		81
238	Sonic hedgehog guides axons through a noncanonical, Src-family-kinase-dependent signaling pathway. <b>2009</b> , 62, 349-62		213
237	Phosphorylation-independent repression of Yorkie in Fat-Hippo signaling. <b>2009</b> , 335, 188-97		94
236	Wnt Signaling in Cancer: From Embryogenesis to Stem Cell Self-Renewal. <b>2009</b> , 39-57		
235	Novel receptor antagonists for cancer therapy: hedgehog pathway inhibitors. <b>2009</b> , 6, 63-69		1
234	RNAi in Drosophila S2 cells as a tool for studying cell cycle progression. <i>Methods in Molecular Biology</i> , <b>2009</b> , 545, 39-62	1.4	22
233	Molecular Embryology. <i>Methods in Molecular Biology</i> , <b>2009</b> ,	1.4	
232	Wnt Signaling. <i>Methods in Molecular Biology</i> , <b>2009</b> ,	1.4	1
231	Transfection microarray and the applications. <b>2009</b> , 5, 444-9		7
230	Convergent extension movements in growth plate chondrocytes require gpi-anchored cell surface proteins. <i>Development (Cambridge)</i> , <b>2009</b> , 136, 3463-74	6.6	38
229	Genomic screening with RNAi: results and challenges. <b>2010</b> , 79, 37-64		229
228	RNA interference by nanofiber-based siRNA delivery system. <b>2010</b> , 144, 203-12		115



227	Evaluating Smoothed as a G-protein-coupled receptor for Hedgehog signalling. <b>2010</b> , 20, 287-98		91
226	Soluble glypican 3 inhibits the growth of hepatocellular carcinoma in vitro and in vivo. <b>2010</b> , 126, 1291-301		74
225	Targeting lymphatic vessel functions through tyrosine kinases. <b>2010</b> , 2, 13		11
224	Activation of the hedgehog-signaling pathway in human cancer and the clinical implications. <b>2010</b> , 29, 469-81		255
223	Development of a high throughput screening assay for inhibitors of hedgehog-heparin interactions. <b>2010</b> , 69		
222	The cell-surface proteins Dally-like and Ihog differentially regulate Hedgehog signaling strength and range during development. <i>Development (Cambridge)</i> , <b>2010</b> , 137, 2033-44	6.6	80
221	G protein-coupled receptor kinase 2 promotes high-level Hedgehog signaling by regulating the active state of Smo through kinase-dependent and kinase-independent mechanisms in <i>Drosophila</i> . <b>2010</b> , 24, 2054-67		82
220	Proteins of the Hedgehog signaling pathway as therapeutic targets against cancer. <b>2010</b> , 7, 601-12		2
219	Effect of glypican-1 covalently attached chains on turkey myogenic satellite cell proliferation, differentiation, and fibroblast growth factor 2 responsiveness. <b>2010</b> , 89, 123-34		19
218	Insights to transcriptional networks by using high throughput RNAi strategies. <b>2010</b> , 9, 43-52		4
217	Dally-like core protein and its mammalian homologues mediate stimulatory and inhibitory effects on Hedgehog signal response. <b>2010</b> , 107, 5869-74		63
216	Dissecting the biological role of mucin-type O-glycosylation using RNA interference in <i>Drosophila</i> cell culture. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 34477-84	5.4	20
215	Genomic Technologies for Systems Biology. <b>2010</b> , 15-44		
214	<i>Drosophila</i> Boi limits Hedgehog levels to suppress follicle stem cell proliferation. <i>Journal of Cell Biology</i> , <b>2010</b> , 191, 943-52	7.3	53
213	Genetic and biochemical definition of the Hedgehog receptor. <b>2010</b> , 24, 57-71		100
212	Toxicity testing in the 21st century: a vision and a strategy. <b>2010</b> , 13, 51-138		451
211	UDP xylose synthase 1 is required for morphogenesis and histogenesis of the craniofacial skeleton. <b>2010</b> , 341, 400-15		43
210	<i>Drosophila</i> as a tool for personalized medicine: a primer. <b>2010</b> , 7, 621-632		25

209	A Molecular Perspective on ExposureDoseResponse. <b>2010</b> , 9-26		
208	Ihog and Boi are essential for Hedgehog signaling in Drosophila. <b>2010</b> , 5, 28		37
207	Interactions between Hedgehog proteins and their binding partners come into view. <b>2010</b> , 24, 2001-12		140
206	An RNAi-based chemical genetic screen identifies three small-molecule inhibitors of the Wnt/wingless signaling pathway. <b>2011</b> , 108, 5954-63		251
205	Drugging the cancer stem cell compartment: lessons learned from the hedgehog and Wnt signal transduction pathways. <b>2011</b> , 51, 289-310		41
204	Overlapping roles and collective requirement for the coreceptors GAS1, CDO, and BOC in SHH pathway function. <b>2011</b> , 20, 775-87		205
203	Clinical implications of hedgehog signaling pathway inhibitors. <b>2011</b> , 30, 13-26		21
202	SHh activity and localization is regulated by perlecan. <b>2011</b> , 44, 63-7		12
201	In vivo RNAi screen reveals neddylation genes as novel regulators of Hedgehog signaling. <i>PLoS ONE</i> , <b>2011</b> , 6, e24168	3.7	16
200	Fireflies in the coalmine: luciferase technologies in next-generation toxicity testing. <b>2011</b> , 14, 688-702		3
199	Hedgehog morphogen: from secretion to reception. <b>2011</b> , 21, 238-46		38
198	Hedgehog signaling in skin cancers. <b>2011</b> , 23, 1235-43		51
197	Hedgehog signaling: mechanisms and evolution. <b>2011</b> , 6, 504-521		2
196	Zebrafish Ext2 is necessary for Fgf and Wnt signaling, but not for Hh signaling. <b>2011</b> , 11, 53		9
195	Postgenomic technologies targeting the Wnt signaling network. <b>2011</b> , 3, 649-65		2
194	Heparan sulfate proteoglycan specificity during axon pathway formation in the Drosophila embryo. <b>2011</b> , 71, 608-18		27
193	Dispatched mediates Hedgehog basolateral release to form the long-range morphogenetic gradient in the Drosophila wing disk epithelium. <b>2011</b> , 108, 12591-8		128
192	Activation of Hedgehog Signaling in Human Cancer. <b>2011</b> , 85-104		5

191	Artificial trans-encoded small non-coding RNAs specifically silence the selected gene expression in bacteria. <b>2011</b> , 39, e50		60
190	Lessons from morpholino-based screening in zebrafish. <b>2011</b> , 10, 181-8		114
189	Glypican-5 stimulates rhabdomyosarcoma cell proliferation by activating Hedgehog signaling. <i>Journal of Cell Biology</i> , <b>2011</b> , 192, 691-704	7.3	103
188	Sonic Hedgehog-induced proliferation requires specific G $\alpha$ inhibitory proteins. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 8067-8074	5.4	37
187	Increased hedgehog signaling in postnatal kidney results in aberrant activation of nephron developmental programs. <b>2011</b> , 20, 4155-66		31
186	Drosophila RNAi screening in a postgenomic world. <b>2011</b> , 10, 197-205		12
185	The Hedgehog-induced Smoothed conformational switch assembles a signaling complex that activates Fused by promoting its dimerization and phosphorylation. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 4219-31	6.6	48
184	Genome-wide RNAi screen reveals disease-associated genes that are common to Hedgehog and Wnt signaling. <i>Science Signaling</i> , <b>2011</b> , 4, ra4	8.8	78
183	Sequential phosphorylation of smoothed transduces graded hedgehog signaling. <i>Science Signaling</i> , <b>2011</b> , 4, ra43	8.8	54
182	Dual roles of the Cardin-Weintraub motif in multimeric Sonic hedgehog. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 23608-19	5.4	33
181	Structure of the protein core of the glypican Dally-like and localization of a region important for hedgehog signaling. <b>2011</b> , 108, 13112-7		48
180	The role of glypicans in Wnt inhibitory factor-1 activity and the structural basis of Wif1Q effects on Wnt and Hedgehog signaling. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002503	6	33
179	Overview of micro- and nano-technology tools for stem cell applications: micropatterned and microelectronic devices. <b>2012</b> , 12, 15947-82		19
178	The WIF domain of the human and Drosophila Wif-1 secreted factors confers specificity for Wnt or Hedgehog. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 3849-58	6.6	14
177	Phosphorylation of Gli by cAMP-dependent protein kinase. <b>2012</b> , 88, 293-307		3
176	Noncanonical Hedgehog signaling. <b>2012</b> , 88, 55-72		117
175	Hedgehog secretion and signal transduction in vertebrates. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 17905-13	5.4	93
174	Secreted Wingless-interacting molecule (Swim) promotes long-range signaling by maintaining Wingless solubility. <b>2012</b> , 109, 370-7		126

173	Drosophila G-protein-coupled receptor kinase 2 regulates cAMP-dependent Hedgehog signaling. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 85-94	6.6	14
172	Dally and Notum regulate the switch between low and high level Hedgehog pathway signalling. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 3168-79	6.6	18
171	A screen for X-linked mutations affecting Drosophila photoreceptor differentiation identifies Casein kinase 1 $\beta$ as an essential negative regulator of wingless signaling. <i>Genetics</i> , <b>2012</b> , 190, 601-16	4	22
170	The Hedgehog signal transduction network. <i>Science Signaling</i> , <b>2012</b> , 5, re6	8.8	281
169	Identification of proteasome components required for apical localization of Chaoptin using functional genomics. <b>2012</b> , 26, 53-63		4
168	Differential response of Drosophila cell lines to extracellular adenosine. <b>2012</b> , 42, 321-31		5
167	Cdon and Boc: Two transmembrane proteins implicated in cell-cell communication. <b>2012</b> , 44, 698-702		23
166	Large-scale RNAi screens add both clarity and complexity to Drosophila NF- $\kappa$ B signaling. <b>2012</b> , 37, 9-18		18
165	Distinct phosphorylations on kinesin costal-2 mediate differential hedgehog signaling strength. <b>2012</b> , 22, 279-94		24
164	Hedgehog-regulated ubiquitination controls smoothed trafficking and cell surface expression in Drosophila. <i>PLoS Biology</i> , <b>2012</b> , 10, e1001239	9.7	100
163	3.7 The glypican family.		6
162	How do they do Wnt they do?: regulation of transcription by the Wnt/ $\beta$ catenin pathway. <b>2012</b> , 204, 74-109		100
161	The fruit fly Drosophila melanogaster unfolds the secrets of innate immunity. <b>2012</b> , 101, 900-5		24
160	Comparative high-throughput RNAi screening methodologies in C. elegans and mammalian cells. <b>2012</b> , 29, 459-70		14
159	Delivery of dsRNA for RNAi in insects: an overview and future directions. <b>2013</b> , 20, 4-14		200
158	What can flies tell us about copper homeostasis?. <b>2013</b> , 5, 1346-56		23
157	Analyzing the Structure, Function and Information Flow in Signaling Networks using Quantitative Cellular Signatures. <b>2013</b> , 89-113		1
156	Drosophila miR-932 modulates hedgehog signaling by targeting its co-receptor Brother of ihog. <b>2013</b> , 377, 166-76		10

155	Balancing Hedgehog, a retention and release equilibrium given by Dally, Ihog, Boi and shifted/DmWif. <b>2013</b> , 376, 198-212			51
154	The Nervous System. <b>2013</b> , 681-698			
153	The Drosophila GOLPH3 homolog regulates the biosynthesis of heparan sulfate proteoglycans by modulating the retrograde trafficking of exostosins. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 2798-807	6.6		24
152	The way Wnt works: components and mechanism. <b>2013</b> , 31, 1-31			160
151	Glypican-3: a marker and a therapeutic target in hepatocellular carcinoma. <b>2013</b> , 280, 2471-6			124
150	Hedgehog on the move: a precise spatial control of Hedgehog dispersion shapes the gradient. <b>2013</b> , 23, 363-73			30
149	Cytonemes are required for the establishment of a normal Hedgehog morphogen gradient in <i>Drosophila epithelia</i> . <b>2013</b> , 15, 1269-81			162
148	Heparan sulfate proteoglycans containing a glypican 5 core and 2-O-sulfo-iduronic acid function as Sonic Hedgehog co-receptors to promote proliferation. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 26275-26288	5.4		49
147	The Drosophila WIF1 homolog Shifted maintains glypican-independent Hedgehog signaling and interacts with the Hedgehog co-receptors Ihog and Boi. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 107-16	6.6		8
146	RNAi Screening and Assays. <b>2013</b> , 1-26			
145	New components of Drosophila leg development identified through genome wide association studies. <i>PLoS ONE</i> , <b>2013</b> , 8, e60261	3.7		9
144	Targeting hedgehog signaling in cancer: research and clinical developments. <b>2013</b> , 6, 1425-35			49
143	CDO, an Hh-coreceptor, mediates lung cancer cell proliferation and tumorigenicity through Hedgehog signaling. <i>PLoS ONE</i> , <b>2014</b> , 9, e111701	3.7		10
142	The Little Fly that Could: Wizardry and Artistry of Drosophila Genomics. <b>2014</b> , 5, 385-414			8
141	Bipartite recognition of DNA by TCF/Pangolin is remarkably flexible and contributes to transcriptional responsiveness and tissue specificity of wingless signaling. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004591	6		17
140	Hedgehog induces formation of PKA-Smoothed complexes to promote Smoothed phosphorylation and pathway activation. <i>Science Signaling</i> , <b>2014</b> , 7, ra62	8.8		38
139	Exploiting cell-to-cell variability to detect cellular perturbations. <i>PLoS ONE</i> , <b>2014</b> , 9, e90540	3.7		12
138	Ihog and Boi elicit Hh signaling via Ptc but do not aid Ptc in sequestering the Hh ligand. <i>Development (Cambridge)</i> , <b>2014</b> , 141, 3879-88	6.6		3

137	Oral delivery of double-stranded RNA induces prolonged and systemic gene knockdown in <i>Metaseiulus occidentalis</i> only after feeding on <i>Tetranychus urticae</i> . <b>2014</b> , 63, 171-87		21
136	Glypican-3 binds to Frizzled and plays a direct role in the stimulation of canonical Wnt signaling. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 1565-75	5.3	106
135	Integrative approaches for predicting protein function and prioritizing genes for complex phenotypes using protein interaction networks. <b>2014</b> , 15, 685-98		17
134	Wnt Signal Transduction in the Cytoplasm. <b>2014</b> , 33-49		2
133	Pyrvinium attenuates Hedgehog signaling downstream of smoothened. <b>2014</b> , 74, 4811-21		53
132	Hepatic Hedgehog signaling contributes to the regulation of IGF1 and IGFBP1 serum levels. <i>Cell Communication and Signaling</i> , <b>2014</b> , 12, 11	7.5	38
131	Genome-wide analyses of proliferation-important genes of Iridovirus-tiger frog virus by RNAi. <b>2014</b> , 189, 214-25		5
130	The role of glypicans in Hedgehog signaling. <i>Matrix Biology</i> , <b>2014</b> , 35, 248-52	11.4	89
129	Functional genomic analysis of the <i>Drosophila</i> immune response. <b>2014</b> , 42, 93-101		13
128	Silencing of the glypican-3 gene affects the biological behavior of human hepatocellular carcinoma cells. <b>2014</b> , 10, 3177-84		26
127	Genetic screen identifies suppressor of morphogenesis in genitalia-1 (SMG-1) as a modulator of sorafenib resistance in hepatocellular carcinoma cell lines. <b>2014</b> , 45, 1450-6		1
126	New Insights about Wnt/ $\beta$ Catenin Pathway Mechanisms from Global siRNA Screens. <b>2014</b> , 137-151		
125	What RNAi screens in model organisms revealed about microbicidal response in mammals?. <b>2014</b> , 4, 184		2
124	Novel insights into Notum and glypicans regulation in colorectal cancer. <b>2015</b> , 6, 41237-57		37
123	Hedgehog-Gli signaling in basal cell carcinoma and other skin cancers: prospects for therapy. <b>2015</b> , 55		2
122	A Comparison of Ci/Gli Activity as Regulated by Sufu in <i>Drosophila</i> and Mammalian Hedgehog Response. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135804	3.7	7
121	Sweet on Hedgehogs: regulatory roles of heparan sulfate proteoglycans in Hedgehog-dependent cell proliferation and differentiation. <b>2015</b> , 16, 66-76		10
120	Secreted HHIP1 interacts with heparan sulfate and regulates Hedgehog ligand localization and function. <i>Journal of Cell Biology</i> , <b>2015</b> , 209, 739-57	7.3	28

119	Distinct structural requirements for CDON and BOC in the promotion of Hedgehog signaling. <b>2015</b> , 402, 239-52		14
118	Microscopy-Based High-Content Screening. <b>2015</b> , 163, 1314-25		205
117	Fabrication of electrospun zein nanofibers for the sustained delivery of siRNA. <b>2015</b> , 26, 101		28
116	Hierarchical ZnO/zeolite nanostructures: synthesis, growth mechanism and hydrogen detection. <b>2015</b> , 5, 22570-22577		13
115	The Hedgehog pathway: role in cell differentiation, polarity and proliferation. <b>2015</b> , 89, 179-91		70
114	Notum deacylates Wnt proteins to suppress signalling activity. <b>2015</b> , 519, 187-192		262
113	The Hedgehog signalling pathway in bone formation. <b>2015</b> , 7, 73-9		127
112	Ciliary adenylyl cyclases control the Hedgehog pathway. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 2928-37	5.3	34
111	Insights into the key roles of proteoglycans in breast cancer biology and translational medicine. <b>2015</b> , 1855, 276-300		81
110	Single-cell and multivariate approaches in genetic perturbation screens. <b>2015</b> , 16, 18-32		65
109	Perspectives on Intra- and Intercellular Trafficking of Hedgehog for Tissue Patterning. <b>2016</b> , 4,		8
108	Modeling congenital disease and inborn errors of development in <i>Drosophila melanogaster</i> . <b>2016</b> , 9, 253-69		15
107	Hedgehog Signaling Strength Is Orchestrated by the mir-310 Cluster of MicroRNAs in Response to Diet. <i>Genetics</i> , <b>2016</b> , 202, 1167-83	4	24
106	<i>Drosophila</i> . <i>Methods in Molecular Biology</i> , <b>2016</b> ,	1.4	
105	Functions of Heparan Sulfate Proteoglycans in Development: Insights From <i>Drosophila</i> Models. <b>2016</b> , 325, 275-93		38
104	Methods for High-Throughput RNAi Screening in <i>Drosophila</i> Cells. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1478, 95-116	1.4	6
103	LRP2, an auxiliary receptor that controls sonic hedgehog signaling in development and disease. <b>2016</b> , 245, 569-79		19
102	G Protein-Coupled Receptor Kinases. <b>2016</b> ,		1

101	Mechanism of inhibition of the tumor suppressor Patched by Sonic Hedgehog. <b>2016</b> , 113, E5866-E5875		58
100	Evolutionarily Conserved Role of G-Protein-Coupled Receptor Kinases in the Hedgehog Signaling Pathway. <b>2016</b> , 301-324		
99	Cdon, a cell surface protein, mediates oligodendrocyte differentiation and myelination. <b>2016</b> , 64, 1021-33		8
98	Delivery of dsRNA through topical feeding for RNA interference in the citrus sap piercing-sucking hemipteran, <i>Diaphorina citri</i> . <b>2017</b> , 95, e21394		21
97	Topical co-administration of <i>Pistacia atlantica</i> hull and <i>Quercus infectoria</i> gall hydroethanolic extract improves wound-healing process. <b>2017</b> , 26, 885-892		8
96	Silencing of JHEH and EcR genes of <i>Plutella xylostella</i> (Lepidoptera: Plutellidae) through double stranded RNA oral delivery. <i>Journal of Asia-Pacific Entomology</i> , <b>2017</b> , 20, 637-643	1.4	9
95	Glypican-6 promotes the growth of developing long bones by stimulating Hedgehog signaling. <i>Journal of Cell Biology</i> , <b>2017</b> , 216, 2911-2926	7.3	26
94	A cell based, high throughput assay for quantitative analysis of Hedgehog pathway activation using a Smoothened activation sensor. <i>Scientific Reports</i> , <b>2017</b> , 7, 14341	4.9	3
93	Neuronal activity drives FMRP- and HSPG-dependent matrix metalloproteinase function required for rapid synaptogenesis. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	14
92	Hedgehog mediated degradation of Ihog adhesion proteins modulates cell segregation in <i>Drosophila</i> wing imaginal discs. <i>Nature Communications</i> , <b>2017</b> , 8, 1275	17.4	13
91	Sending and Receiving Hedgehog Signals. <i>Annual Review of Cell and Developmental Biology</i> , <b>2017</b> , 33, 145-168	12.6	42
90	CK1 in Developmental Signaling: Hedgehog and Wnt. <i>Current Topics in Developmental Biology</i> , <b>2017</b> , 123, 303-329	5.3	26
89	RNA Interference (RNAi) Screening in. <i>Genetics</i> , <b>2018</b> , 208, 853-874	4	53
88	Tapping the RNA world for therapeutics. <i>Nature Structural and Molecular Biology</i> , <b>2018</b> , 25, 357-364	17.6	113
87	Insect RNAi: Integrating a New Tool in the Crop Protection Toolkit. <b>2018</b> , 193-232		2
86	Trends in Insect Molecular Biology and Biotechnology. <b>2018</b> ,		3
85	Hedgehog reciprocally controls trafficking of Smo and Ptc through the Smurf family of E3 ubiquitin ligases. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	26
84	The deubiquitinase UCHL5/UCH37 positively regulates Hedgehog signaling by deubiquitinating Smoothened. <i>Journal of Molecular Cell Biology</i> , <b>2018</b> , 10, 243-257	6.3	32



83	The novel role of pyrvinium in cancer therapy. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 2871-2881	7	35
82	Cooperative Control of Ecdysone Biosynthesis in by Transcription Factors Sñnce, Ouija Board, and Molting Defective. <i>Genetics</i> , <b>2018</b> , 208, 605-622	4	17
81	The presence of extracellular microRNAs in the media of cultured Drosophila cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 17312	4.9	10
80	Regulation of Smoothened ubiquitylation and cell surface expression through a Cul4-DDB1-GÆE3 ubiquitin ligase complex. <i>Journal of Cell Science</i> , <b>2018</b> , 131,	5.3	24
79	Casein kinase 1Æbiological mechanisms and theranostic potential. <i>Cell Communication and Signaling</i> , <b>2018</b> , 16, 23	7.5	37
78	RNAi for Resistance Against Biotic Stresses in Crop Plants. <b>2018</b> , 67-112		3
77	Polyester based nanovehicles for siRNA delivery. <i>Materials Science and Engineering C</i> , <b>2018</b> , 92, 1006-1015	3	14
76	The mRNA Metabolism in Human Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> ,	3.6	0
75	RNA Therapeutics: How Far Have We Gone?. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1157, 133-177	3.6	24
74	A practical guide to intelligent image-activated cell sorting. <i>Nature Protocols</i> , <b>2019</b> , 14, 2370-2415	18.8	37
73	The Hedgehog receptor component Interference hedgehog (lhog) mediates cell-cell interactions through -homophilic binding. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 12339-12348	5.4	4
72	E3 ligase Herc4 regulates Hedgehog signalling through promoting Smoothened degradation. <i>Journal of Molecular Cell Biology</i> , <b>2019</b> , 11, 791-803	6.3	13
71	Sonic hedgehog signaling in epithelial tissue development. <i>Regenerative Medicine Research</i> , <b>2019</b> , 7, 3	1.2	4
70	Glypican-6 stimulates intestinal elongation by simultaneously regulating Hedgehog and non-canonical Wnt signaling. <i>Matrix Biology</i> , <b>2020</b> , 88, 19-32	11.4	8
69	Cancer biology functional genomics: From small RNAs to big dreams. <i>Molecular Carcinogenesis</i> , <b>2020</b> , 59, 1343-1361	5	3
68	Hedgehog produced by the wing imaginal disc induces distinct responses in three target tissues. <i>Development (Cambridge)</i> , <b>2020</b> , 147,	6.6	7
67	dsRNA Uptake in Plant Pests and Pathogens: Insights into RNAi-Based Insect and Fungal Control Technology. <i>Plants</i> , <b>2020</b> , 9,	4.5	16
66	The hedgehog co-receptor BOC differentially regulates SHH signaling during craniofacial development. <i>Development (Cambridge)</i> , <b>2020</b> , 147,	6.6	10

65	Polarized sorting of Patched enables cytoneme-mediated Hedgehog reception in the Drosophila wing disc. <i>EMBO Journal</i> , <b>2020</b> , 39, e103629	13	15
64	Chondroitin sulfate proteoglycan Windpipe modulates Hedgehog signaling in. <i>Molecular Biology of the Cell</i> , <b>2020</b> , 31, 813-824	3.5	7
63	The Posterior Signaling Center Is an Important Microenvironment for Homeostasis of the Lymph Gland. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 382	5.7	3
62	Drug Repurposing in Medulloblastoma: Challenges and Recommendations. <i>Current Treatment Options in Oncology</i> , <b>2020</b> , 22, 6	5.4	7
61	Transposable elements: a jump toward the future of expression vectors. <i>Critical Reviews in Biotechnology</i> , <b>2021</b> , 41, 792-808	9.4	7
60	Competitive coordination of the dual roles of the Hedgehog co-receptor in homophilic adhesion and signal reception.		
59	The GTPase Rab8 differentially controls the long- and short-range activity of the Hedgehog morphogen gradient by regulating Hedgehog apico-basal distribution. <i>Development (Cambridge)</i> , <b>2021</b> , 148,	6.6	2
58	Competitive coordination of the dual roles of the Hedgehog co-receptor in homophilic adhesion and signal reception. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
57	Accelerated delivery of dsRNA in lepidopteran midgut cells by a <i>Galanthus nivalis</i> lectin (GNA)-dsRNA-binding domain fusion protein. <i>Pesticide Biochemistry and Physiology</i> , <b>2021</b> , 175, 104853	4.9	5
56	Cholesterol and CDON Regulate Sonic Hedgehog Release from Pancreatic Cancer Cells. <i>Journal of Pancreatic Cancer</i> , <b>2021</b> , 7, 39-47	1.5	0
55	Glypicans define unique roles for the Hedgehog co-receptors boi and ihog in cytoneme-mediated gradient formation. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
54	Role of glypican-1 in regulating multiple cellular signaling pathways. <i>American Journal of Physiology - Cell Physiology</i> , <b>2021</b> , 321, C846-C858	5.4	4
53	Stop codon readthrough alters the activity of a POU/Oct transcription factor during Drosophila development. <i>BMC Biology</i> , <b>2021</b> , 19, 185	7.3	1
52	RNA Interference (RNAi) Screening in Cultured Drosophila Cells. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2381, 97-112	1.4	
51	RNAi in the Hedgehog signaling pathway: pFRiPE, a vector for temporally and spatially controlled RNAi in Drosophila. <i>Methods in Molecular Biology</i> , <b>2007</b> , 397, 115-28	1.4	5
50	RNAi screening in cultured Drosophila cells. <i>Methods in Molecular Biology</i> , <b>2008</b> , 420, 139-53	1.4	17
49	High-throughput RNAi screen in Drosophila. <i>Methods in Molecular Biology</i> , <b>2008</b> , 469, 163-84	1.4	6
48	Transgenic RNA interference to investigate gene function in the mouse. <i>Methods in Molecular Biology</i> , <b>2008</b> , 461, 165-86	1.4	3

47	RNAi applications in target validation. <i>Ernst Schering Research Foundation Workshop</i> , <b>2007</b> , 1-21		9
46	RNA interference in mammalian cell systems. <i>Current Topics in Microbiology and Immunology</i> , <b>2008</b> , 320, 1-19	3-3	19
45	Generating Diversity and Specificity through Developmental Cell Signaling. <b>2015</b> , 3-36		1
44	Hedgehog signaling activation required for glypican-6-mediated regulation of invasion, migration, and epithelial-mesenchymal transition of gastric cancer cells. <i>Bioscience Reports</i> , <b>2020</b> , 40,	4-1	2
43	Glypicans specifically regulate Hedgehog signaling through their interaction with Ihog in cytonemes.		1
42	Phenomics of the Laboratory Mouse. <b>2016</b> , 34-74		5
41	Regulation of Smoothened Phosphorylation and High-Level Hedgehog Signaling Activity by a Plasma Membrane Associated Kinase. <i>PLoS Biology</i> , <b>2016</b> , 14, e1002481	9-7	39
40	The Drosophila Zinc Finger Transcription Factor Ouija Board Controls Ecdysteroid Biosynthesis through Specific Regulation of spookier. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005712	6	23
39	Drosophila VAMP7 regulates Wingless intracellular trafficking. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186938	3-7	6
38	Glypican-3 and Alphafetoprotein as Diagnostic Tests for Hepatocellular Carcinoma. <b>2004</b> , 8, 207		11
37	Synthetic Small Molecule Inhibitors of Hh Signaling As Anti-Cancer Chemotherapeutics. <i>Current Medicinal Chemistry</i> , <b>2015</b> , 22, 4033-57	4-3	7
36	High-throughput RNA interference screens integrative analysis: Towards a comprehensive understanding of the virus-host interplay. <i>World Journal of Virology</i> , <b>2013</b> , 2, 18-31	6-9	8
35	Cytoneme-mediated cell-cell contacts for Hedgehog reception. <i>ELife</i> , <b>2017</b> , 6,	8-9	64
34	. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2004</b> ,	3-9	
33	. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2005</b> ,	3-9	
32	The identification of protein kinase C iota as a regulator of the Mammalian heat shock response using functional genomic screens. <i>PLoS ONE</i> , <b>2010</b> , 5, e11850	3-7	
31	Smoothened Signaling Through a G-Protein Effector Network. <b>2011</b> , 33-47		
30	Using Chemical Structure as Probes for Biological Networks. 239-259		

29	Genome Mapping and Genomics in Drosophila. <b>2012</b> , 31-86			1
28	A Molecular Perspective on ExposureDoseResponse?. <b>2014</b> ,			
27	Encyclopedia of Signaling Molecules. <b>2016</b> , 1-5			
26	A cell based, high throughput assay for quantitative analysis of Hedgehog pathway activation using a Smoothened phosphorylation sensor.			
25	Encyclopedia of Signaling Molecules. <b>2018</b> , 2169-2173			
24	Chondroitin sulfate proteoglycan Windpipe modulates Hedgehog signaling in Drosophila.			
23	Glypicans - A Brief Review. <i>Journal of Analytical Oncology</i> , 8, 68-70			
22	Stop codon readthrough of a POU transcription factor regulates steroidogenesis and developmental transitions.			
21	The Hedgehog Co-Receptor BOC Differentially Regulates SHH Signaling During Craniofacial Development.			0
20	Hedgehog produced by the Drosophila wing imaginal disc induces distinct expression responses in three target tissues.			
19	Gene Silencing through RNA Interference. <b>2006</b> , 252-264			
18	The Patched Receptor. <b>2006</b> , 23-33			
17	Running Interference for Hedgehog Signaling. <i>Science Signaling</i> , <b>2003</b> , 2003, pe30-pe30	8.8		1
16	Design and application of a versatile expression vector for RNAi in mammalian cells. <i>Journal of Rnai and Gene Silencing</i> , <b>2005</b> , 1, 38-43			3
15	Regulatory mechanisms of cytoneme-based morphogen transport.. <i>Cellular and Molecular Life Sciences</i> , <b>2022</b> , 79, 119	10.3		1
14	Hedgehog pathway modulation by glypican 3-conjugated heparan sulfate.. <i>Journal of Cell Science</i> , <b>2022</b> ,	5.3		1
13	Functional Characterization of Allatostatin C (PISCF/AST) and Juvenile Hormone Acid O-Methyltransferase in .. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3		1
12	The function of Glypicans in the mammalian embryo.. <i>American Journal of Physiology - Cell Physiology</i> , <b>2022</b> ,	5.4		2

11	A data library of <i>Candida albicans</i> functional genomic screens. <i>FEMS Yeast Research</i> , <b>2021</b> , 21,	3.1	0
10	Hedgehog signaling. <i>Current Topics in Developmental Biology</i> , <b>2022</b> ,	5.3	3
9	Hedgehog on track: Long-distant signal transport and transfer through direct cell-to-cell contact. <i>Current Topics in Developmental Biology</i> , <b>2022</b> ,	5.3	0
8	APC and P53 mutations synergize to create a therapeutic vulnerability to NOTUM inhibition in advanced colorectal cancer.		
7	Patched-Related Is Required for Proper Development of Embryonic <i>Drosophila</i> Nervous System. 16,		
6	Localized efficacy of environmental RNAi in <i>Tetranychus urticae</i> . <b>2022</b> , 12,		1
5	Ihog proteins contribute to integrin-mediated focal adhesions.		0
4	Predictive model for cytoneme guidance in Hedgehog signaling based on Ihog- Glypicans interaction. <b>2022</b> , 13,		0
3	CDON contributes to Hedgehog-dependent patterning and growth of the developing limb. <b>2023</b> , 493, 1-11		0
2	Cellular and molecular mechanisms of Hedgehog signalling.		0
1	Behavioral circatidal rhythms require Bmal1 in <i>Parhyale hawaiiensis</i> . <b>2023</b> ,		0