

# The Origin of Animal Multicellularity and Cell Different

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Embracing Uncertainty in Reconstructing Early Animal Evolution. <i>Current Biology</i> , 2017, 27, R1081-R1088.	3.9	101
2	Complex multicellularity in fungi: evolutionary convergence, single origin, or both?. <i>Biological Reviews</i> , 2018, 93, 1778-1794.	10.4	92
3	Long non-coding regulatory RNAs in sponges and insights into the origin of animal multicellularity. <i>RNA Biology</i> , 2018, 15, 1-7.	3.1	14
4	Lessons from simple marine models on the bacterial regulation of eukaryotic development. <i>Current Opinion in Microbiology</i> , 2018, 43, 108-116.	5.1	33
5	Src signaling in a low-complexity unicellular kinome. <i>Scientific Reports</i> , 2018, 8, 5362.	3.3	6
6	Novel Diversity of Deeply Branching Holomycota and Unicellular Holozoans Revealed by Metabarcoding in Middle Paraná River, Argentina. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	20
7	Transfection of choanoflagellates illuminates their cell biology and the ancestry of animal septins. <i>Molecular Biology of the Cell</i> , 2018, 29, 3026-3038.	2.1	56
8	Geometry, packing, and evolutionary paths to increased multicellular size. <i>Physical Review E</i> , 2018, 97, 050401.	2.1	14
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10	Gene family innovation, conservation and loss on the animal stem lineage. <i>ELife</i> , 2018, 7, .	6.0	149
11	We are not so special. <i>ELife</i> , 2018, 7, .	6.0	2
12	Inference of Developmental Gene Regulatory Networks Beyond Classical Model Systems: New Approaches in the Post-genomic Era. <i>Integrative and Comparative Biology</i> , 2018, 58, 640-653.	2.0	13
13	The Temporal and Environmental Context of Early Animal Evolution: Considering All the Ingredients of an “Explosion”. <i>Integrative and Comparative Biology</i> , 2018, 58, 605-622.	2.0	81
14	Cell polarity: having and making sense of direction”on the evolutionary significance of the primary cilium/centrosome organ in Metazoa. <i>Open Biology</i> , 2018, 8, .	3.6	23
15	Multicellular Features of Phytoplankton. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	13
16	Matricellular Proteins: Functional Insights From Non-mammalian Animal Models. <i>Current Topics in Developmental Biology</i> , 2018, 130, 39-105.	2.2	24
17	Role of Chemical Mediators in Aquatic Interactions across the Prokaryote–Eukaryote Boundary. <i>Journal of Chemical Ecology</i> , 2018, 44, 1008-1021.	1.8	61
18	Dynamic cell–cell adhesion mediated by pericellular matrix interaction – a hypothesis. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	19

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19	A non-bilaterian perspective on the development and evolution of animal digestive systems. Cell and Tissue Research, 2019, 377, 321-339.	2.9	33
20	Early animal evolution: a morphologist's view. Royal Society Open Science, 2019, 6, 190638.	2.4	46
21	Emergence of diverse life cycles and life histories at the origin of multicellularity. Nature Ecology and Evolution, 2019, 3, 1197-1205.	7.8	49
22	Structure and Function of a Bacterial Gap Junction Analog. Cell, 2019, 178, 374-384.e15.	28.9	78
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25	Mineral-Chitin Composites in Molluscs. Biologically-inspired Systems, 2019, , 57-93.	0.2	3
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30	Modelling the early evolution of extracellular matrix from modern Ctenophores and Sponges. Essays in Biochemistry, 2019, 63, 389-405.	4.7	11
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34	Combining morphology, behaviour and genomics to understand the evolution and ecology of microbial eukaryotes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190085.	4.0	21
35	How evolution made the matrix punch at the multicellularity party. Journal of Biological Chemistry, 2019, 294, 770-771.	3.4	4
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39	The Vav GEF Family: An Evolutionary and Functional Perspective. <i>Cells</i> , 2019, 8, 465.	4.1	48
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42	Extracellular Vesicles: Exosomes and Microvesicles, Integrators of Homeostasis. <i>Physiology</i> , 2019, 34, 169-177.	3.1	250
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44	Evolutionary rate covariation analysis of E-cadherin identifies Raskol as a regulator of cell adhesion and actin dynamics in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2019, 15, e1007720.	3.5	30
45	The ventral epithelium of <i>Trichoplax adhaerens</i> deploys in distinct patterns cells that secrete digestive enzymes, mucus or diverse neuropeptides. <i>Biology Open</i> , 2019, 8, .	1.2	29
46	Adhesions Assemble!â€”Autoinhibition as a Major Regulatory Mechanism of Integrin-Mediated Adhesion. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 144.	3.5	31
47	Evolution of Hormonal Mechanisms. , 2019, , 16-22.		0
48	Pre-ediacaran evolution. , 2020, , 1-26.		1
49	The significance of sponges for comparative studies of developmental evolution. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2020, 9, e359.	5.9	8
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57	Ecological Advantages and Evolutionary Limitations of Aggregative Multicellular Development. <i>Current Biology</i> , 2020, 30, 4155-4164.e6.	3.9	31
58	Structural characterization and computational analysis of <i>PDZ</i> domains in <i>Monosiga brevicollis</i> . <i>Protein Science</i> , 2020, 29, 2226-2244.	7.6	4
59	Does Formation of Multicellular Colonies by Choanoflagellates Affect Their Susceptibility to Capture by Passive Protozoan Predators?. <i>Journal of Eukaryotic Microbiology</i> , 2020, 67, 555-565.	1.7	10
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61	Rapid Multilevel Compartmentalization of Stable All-Aqueous Blastosomes by Interfacial Aqueous-Phase Separation. <i>ACS Nano</i> , 2020, 14, 11215-11224.	14.6	20
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69	Cytotoxic effects of polystyrene nanoplastics with different surface functionalization on human HepG2 cells. <i>Science of the Total Environment</i> , 2020, 723, 138180.	8.0	113
70	Early eukaryotic origins and metazoan elaboration of MAPR family proteins. <i>Molecular Phylogenetics and Evolution</i> , 2020, 148, 106814.	2.7	17
71	Metabolic Heterogeneity and Cross-Feeding in Bacterial Multicellular Systems. <i>Trends in Microbiology</i> , 2020, 28, 732-743.	7.7	65
72	Temperature-sensitive pathways may be involved in duck embryonic developmental recovery from blastoderm dormancy during hatching. <i>British Poultry Science</i> , 2020, 61, 366-374.	1.7	0
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77	Cancer and the breakdown of multicellularity: What <i>Dictyostelium discoideum</i> , a social amoeba, can teach us. BioEssays, 2021, 43, e2000156.	2.5	9
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100	Why have aggregative multicellular organisms stayed simple?. Current Genetics, 2021, 67, 871-876.	1.7	23
103	Following the logic behind biological interpretations of the Ediacaran biotas. Geological Magazine, 2022, 159, 1093-1117.	1.5	12
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122	The evolution of multicellularity and cancer: views and paradigms. <i>Biochemical Society Transactions</i> , 2020, 48, 1505-1518.	3.4	22
123	The Order of Trait Emergence in the Evolution of Cyanobacterial Multicellularity. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	26
131	A Unicellular Relative of Animals Generates an Epithelium-Like Cell Layer by Actomyosin-dependent Cellularization. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
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153	Blastocoel morphogenesis: A biophysics perspective. <i>Seminars in Cell and Developmental Biology</i> , 2022, 130, 12-23.	5.0	4
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164	How geometry shapes division of labor. ELife, 2020, 9, .	6.0	1
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167	The darkest microbiome—a post-human biosphere. Microbial Biotechnology, 2022, 15, 176-185.	4.2	14
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169	Social selection within aggregative multicellular development drives morphological evolution. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211522.	2.6	3
170	Aspirin impacts on stem cells: Implications for therapeutic targets. Tissue and Cell, 2022, 74, 101707.	2.2	1
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180	Evolution of reproductive strategies in incipient multicellularity. Journal of the Royal Society Interface, 2022, 19, 20210716.	3.4	3
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182	Regulation of sedimentation rate shapes the evolution of multicellularity in a close unicellular relative of animals. PLoS Biology, 2022, 20, e3001551.	5.6	14

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185	The Lysosome Origin of Biosilica Machinery in the Demospongiae Model <i>Petrosia ficiformis</i> (Poiret), <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	2.5	0
207	Incomplete abscission and cytoplasmic bridges in the evolution of eukaryotic multicellularity. <i>Current Biology</i> , 2022, 32, R385-R397.	3.9	30
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210	The Biological Effects of Polystyrene Nanoplastics on Human Peripheral Blood Lymphocytes. <i>Nanomaterials</i> , 2022, 12, 1632.	4.1	18
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217	The cellular function of ROP GTPase prenylation is important for multicellularity in the moss <i>Physcomitrium patens</i> . <i>Development (Cambridge)</i> , 2022, 149, .	2.5	5
219	Signalling molecules inducing metamorphosis in marine organisms. <i>Natural Product Reports</i> , 2022, 39, 1833-1855.	10.3	7
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221	Multicellularity in animals: The potential for within-organism conflict. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
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227	The premetazoan ancestry of the synaptic toolkit and appearance of first neurons. <i>Essays in Biochemistry</i> , 2022, 66, 781-795.	4.7	8
228	Systematic bias and the phylogeny of Coleopteraâ€”A response to Cai et al. (2022) following the responses to Cai et al. (2020). <i>Systematic Entomology</i> , 2023, 48, 223-232.	3.9	5
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231	Novel multicellular prokaryote discovered next to an underground stream. <i>ELife</i> , 0, 11, .	6.0	7
232	Three-dimensional flagella structures from animalsâ€™ closest unicellular relatives, the Choanoflagellates. <i>ELife</i> , 0, 11, .	6.0	10
233	They shall not grow mold: Soldiers of innate and adaptive immunity to fungi. <i>Seminars in Immunology</i> , 2023, 65, 101673.	5.6	0
234	Evidence of a possible multicellular life cycle in <i>Escherichia coli</i> . <i>IScience</i> , 2023, 26, 105795.	4.1	8
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237	Mechano-biochemical marine stimulation of inversion, gastrulation, and endomesoderm specification in multicellular Eukaryota. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	1
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