

# Neoteny, Prolongation of Youth: From Naked Mole Rats

Physiological Reviews

97, 699-720

DOI: [10.1152/physrev.00040.2015](https://doi.org/10.1152/physrev.00040.2015)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Design, synthesis, and some aspects of the biological activity of mitochondria-targeted antioxidants. <i>Biochemistry (Moscow)</i> , 2017, 82, 760-777.	0.7	21
2	Coefficient of variation of lifespan across the tree of life: Is it a signature of programmed aging?. <i>Biochemistry (Moscow)</i> , 2017, 82, 1480-1492.	0.7	7
3	Spontaneous and experimentally induced pathologies in the naked mole rat ( <i>Heterocephalus glaber</i> ). <i>Biochemistry (Moscow)</i> , 2017, 82, 1504-1512.	0.7	5
4	Programmed aging of mammals: Proof of concept and prospects of biochemical approaches for anti-aging therapy. <i>Biochemistry (Moscow)</i> , 2017, 82, 1403-1422.	0.7	36
5	On the cause and mechanism of phenoptosis. <i>Biochemistry (Moscow)</i> , 2017, 82, 1462-1479.	0.7	7
6	Unraveling the gut microbiome of the long-lived naked mole-rat. <i>Scientific Reports</i> , 2017, 7, 9590.	1.6	46
7	How Children Invented Humanity. <i>Child Development</i> , 2018, 89, 1462-1466.	1.7	9
8	Novel treatment strategies for chronic kidney disease: insights from the animal kingdom. <i>Nature Reviews Nephrology</i> , 2018, 14, 265-284.	4.1	78
9	Ants as Object of Gerontological Research. <i>Biochemistry (Moscow)</i> , 2018, 83, 1489-1503.	0.7	5
10	Naked mole-rat transcriptome signatures of socially suppressed sexual maturation and links of reproduction to aging. <i>BMC Biology</i> , 2018, 16, 77.	1.7	26
11	Species comparison of liver proteomes reveals links to naked mole-rat longevity and human aging. <i>BMC Biology</i> , 2018, 16, 82.	1.7	55
12	Rapid Evolution of Sperm Produces Diverse Centriole Structures that Reveal the Most Rudimentary Structure Needed for Function. <i>Cells</i> , 2018, 7, 67.	1.8	40
13	Aging is an adaptation that selects in animals against disruption of homeostasis. <i>Medical Hypotheses</i> , 2018, 119, 68-78.	0.8	4
14	Telomeres and Longevity: A Cause or an Effect?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3233.	1.8	28
15	The structure, composition and mechanical properties of the skeleton of the naked mole-rat ( <i>Heterocephalus glaber</i> ). <i>Bone</i> , 2019, 128, 115035.	1.4	5
16	Delayed Onset of Age-Dependent Changes in Ultrastructure of Myocardial Mitochondria as One of the Neotenic Features in Naked Mole Rats ( <i>Heterocephalus glaber</i> ). <i>International Journal of Molecular Sciences</i> , 2019, 20, 566.	1.8	9
17	Altered cochlear innervation in developing and mature naked and Damaraland mole rats. <i>Journal of Comparative Neurology</i> , 2019, 527, 2302-2316.	0.9	14
18	The Protracted Maturation of Associative Layer IIIC Pyramidal Neurons in the Human Prefrontal Cortex During Childhood: A Major Role in Cognitive Development and Selective Alteration in Autism. <i>Frontiers in Psychiatry</i> , 2019, 10, 122.	1.3	37

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19	Screening for mouse genes lost in mammals with long lifespans. <i>BioData Mining</i> , 2019, 12, 20.	2.2	5
20	Phenoptosis as a Phenomenon Widespread among Many Groups of Living Organisms Including Mammals (Commentary to the Paper by E. R. Galimov, J. N. Lohr, and D. Gems (2019) <i>Biochemistry</i> ) Tj ETQq1 1 0.784314 rgBT/Overlo	0.4	1
21	Neotenic Traits in <i>Heterocephalus glaber</i> and <i>Homo sapiens</i> . <i>Biochemistry (Moscow)</i> , 2019, 84, 1484-1489.	0.7	4
22	Neurobiological systems in dyslexia. <i>Trends in Neuroscience and Education</i> , 2019, 14, 11-24.	1.5	16
23	Larval crowding results in hormesis-like effects on longevity in <i>Drosophila</i> : timing of eclosion as a model. <i>Biogerontology</i> , 2019, 20, 191-201.	2.0	20
24	Deciphering the metabolic secret of longevity through the analysis of metabolic response to stress on long-lived species. <i>Medical Hypotheses</i> , 2019, 122, 62-67.	0.8	3
25	Neoteny: The paedomorphosis of destinations. <i>Annals of Tourism Research</i> , 2020, 81, 102698.	3.7	2
26	Patterns of mandibular asymmetries in two types of companion rabbits. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2020, 49, 227-232.	0.3	5
27	Developmental dynamics of neurogenesis and gliogenesis in the postnatal mammalian brain in health and disease: Historical and future perspectives. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2020, 9, e369.	5.9	16
28	Protein-Coding Genes in Euarchontoglires with Pseudogene Homologs in Humans. <i>Life</i> , 2020, 10, 192.	1.1	1
29	Unusual Correlation between Restâ€“Activity and Body Temperature Rhythms in the Naked Mole Rat ( <i>Heterocephalus glaber</i> ) as Compared to Five Other Mammalian Species. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2020, 56, 451-458.	0.2	4
30	Nest Carbon Dioxide Masks GABA-Dependent Seizure Susceptibility in the Naked Mole-Rat. <i>Current Biology</i> , 2020, 30, 2068-2077.e4.	1.8	23
31	Mild depolarization of the inner mitochondrial membrane is a crucial component of an anti-aging program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6491-6501.	3.3	122
32	Human Social Evolution: Self-Domestication or Self-Control?. <i>Frontiers in Psychology</i> , 2020, 11, 134.	1.1	41
33	Probing Pedomorphy and Prolonged Lifespan in Naked Mole-Rats and Dwarf Mice. <i>Physiology</i> , 2020, 35, 96-111.	1.6	22
34	Cellular-Molecular Mechanisms in Epigenetic Evolutionary Biology. , 2020, , .		8
35	Long bone histomorphogenesis of the naked moleâ€“rat: Histodiversity and intraspecific variation. <i>Journal of Anatomy</i> , 2021, 238, 1259-1283.	0.9	13
36	Surprisingly long survival of premature conclusions about naked moleâ€“rat biology. <i>Biological Reviews</i> , 2021, 96, 376-393.	4.7	33



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62	Molecules, Mechanisms, and Disorders of Self-Domestication: Keys for Understanding Emotional and Social Communication from an Evolutionary Perspective. <i>Biomolecules</i> , 2021, 11, 2.	1.8	17
65	Phenotype, Niche Construction, and Natural Cellular Engineering. , 2020, , 83-91.		0
66	Genome Stability Maintenance in Naked Mole-Rat. <i>Acta Naturae</i> , 2017, 9, 31-41.	1.7	12
68	Mitochondrial Reactive Oxygen Species Aging Theory. , 2021, , 3249-3256.		1
69	Human Evolution and the Neotenus Infant. <i>Evolutionary Psychology</i> , 2022, , 19-38.	1.8	3
71	Stability of the Nrf2/Keap1/ARE Cell Defense System in Different Models of Cell Aging and Age-Related Pathologies. <i>Biochemistry (Moscow)</i> , 2022, 87, 70-85.	0.7	10
72	Developmental Plasticity in the Ossification of the Proximal Femur of <i>Heterocephalus glaber</i> (Bathyergidae, Rodentia). <i>Journal of Mammalian Evolution</i> , 0, , 1.	1.0	2
73	DNA methylation clocks tick in naked mole rats but queens age more slowly than nonbreeders. <i>Nature Aging</i> , 2022, 2, 46-59.	5.3	47
74	Innate Immunity as an Executor of the Programmed Death of Individual Organisms for the Benefit of the Entire Population. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13480.	1.8	7
75	Coevolution of Brain, Culture, and Lifespan: Insights from Computer Simulations. <i>Biochemistry (Moscow)</i> , 2021, 86, 1503-1525.	0.7	2
76	Retention of larval skin traits in adult amphibious killifishes: a cross-species investigation. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2022, 192, 473-488.	0.7	2
77	Ontogeny, Phylotypic Periods, Paedomorphosis, and Ontogenetic Systematics. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	1
78	Neoteny. , 2022, , 4590-4592.		0
79	Fossorial adaptations in African mole-rats (Bathyergidae) and the unique appendicular phenotype of naked mole-rats. <i>Communications Biology</i> , 2022, 5, .	2.0	10
80	Naked mole-rat and Damaraland mole-rat exhibit lower respiration in mitochondria, cellular and organismal levels. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148582.	0.5	6
81	Characterization of naked mole-rat hematopoiesis reveals unique stem and progenitor cell patterns and neotenic traits. <i>EMBO Journal</i> , 2022, 41, .	3.5	12

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85	Living a longer life: unique lessons from the naked mole-rat blood system. <i>EMBO Journal</i> , 0, , .	3.5	2
86	Construction of the axolotl cell landscape using combinatorial hybridization sequencing at single-cell resolution. <i>Nature Communications</i> , 2022, 13, .	5.8	9
87	Unique Features of the Tissue Structure in the Naked Mole Rat ( <i>Heterocephalus glaber</i> ): Hypertrophy of the Endoplasmic Reticulum and Spatial Mitochondrial Rearrangements in Hepatocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9067.	1.8	1
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90	Unusual occurrence of domestication syndrome amongst African mole-rats: Is the naked mole-rat a domestic animal?. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	0
91	Does Nrf2 Play a Role of a Master Regulator of Mammalian Aging?. <i>Biochemistry (Moscow)</i> , 2022, 87, 1465-1476.	0.7	3
92	Transcription Factor Nrf2 and Mitochondria – Friends or Foes in the Regulation of Aging Rate. <i>Biochemistry (Moscow)</i> , 2022, 87, 1477-1486.	0.7	1
93	Evolution of Longevity as a Species-Specific Trait in Mammals. <i>Biochemistry (Moscow)</i> , 2022, 87, 1579-1599.	0.7	2
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96	Turning Back the Clock: A Retrospective Single-Blind Study on Brain Age Change in Response to Nutraceuticals Supplementation vs. Lifestyle Modifications. <i>Brain Sciences</i> , 2023, 13, 520.	1.1	0
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