

# Leah C Solberg Woods

## List of Publications by Year in descending order

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52  
papers

1,586  
citations

341340

20  
h-index

372325

34  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Microbiome Signatures and Short-Chain Fatty Acids in Mouse, Rat, Non-human Primate, and Human Feces. <i>Frontiers in Microbiology</i> , 2018, 9, 2897.	3.6	185
2	Region-Based Convolutional Neural Nets for Localization of Glomeruli in Trichrome-Stained Whole Kidney Sections. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2081-2088.	0.5	94
3	Rats are the smart choice: Rationale for a renewed focus on rats in behavioral genetics. <i>Neuropharmacology</i> , 2014, 76, 250-258.	4.2	80
4	Individual variation in the propensity to attribute incentive salience to a food cue: Influence of sex. <i>Behavioural Brain Research</i> , 2015, 278, 462-469.	2.3	78
5	Genome Wide Sampling Sequencing for SNP Genotyping: Methods, Challenges and Future Development. <i>International Journal of Biological Sciences</i> , 2016, 12, 100-108.	6.3	78
6	Genetic Fine-Mapping and Identification of Candidate Genes and Variants for Adiposity Traits in Outbred Rats. <i>Obesity</i> , 2018, 26, 213-222.	3.2	67
7	Genome-Wide Association Study in 3,173 Outbred Rats Identifies Multiple Loci for Body Weight, Adiposity, and Fasting Glucose. <i>Obesity</i> , 2020, 28, 1964-1973.	3.2	66
8	Context and strain-dependent behavioral response to stress. <i>Behavioral and Brain Functions</i> , 2008, 4, 23.	3.4	63
9	Using Heterogeneous Stocks for Fine-Mapping Genetically Complex Traits. <i>Methods in Molecular Biology</i> , 2019, 2018, 233-247.	0.0	62
10	QTL mapping in outbred populations: successes and challenges. <i>Physiological Genomics</i> , 2014, 46, 81-90.	2.3	53
11	Heterogeneous Stock Populations for Analysis of Complex Traits. <i>Methods in Molecular Biology</i> , 2017, 1488, 31-44.	0.0	48
12	Fine-mapping a locus for glucose tolerance using heterogeneous stock rats. <i>Physiological Genomics</i> , 2010, 41, 102-108.	2.3	47
13	Fine-mapping diabetes-related traits, including insulin resistance, in heterogeneous stock rats. <i>Physiological Genomics</i> , 2012, 44, 1013-1026.	2.3	46
14	Incentive salience attribution, "sensation-seeking" and "novelty-seeking" are independent traits in a large sample of male and female heterogeneous stock rats. <i>Scientific Reports</i> , 2019, 9, 2351.	3.4	46
15	Identification of a Novel Gene for Diabetic Traits in Rats, Mice, and Humans. <i>Genetics</i> , 2014, 198, 17-29.	2.9	44
16	Nociceptin attenuates the escalation of oxycodone self-administration by normalizing CeA GABA transmission in highly addicted rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2140-2148.	7.6	40
17	Heterogeneous stock rats: a new model to study the genetics of renal phenotypes. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F1484-F1491.	2.9	37
18	Premature responding is associated with approach to a food cue in male and female heterogeneous stock rats. <i>Psychopharmacology</i> , 2016, 233, 2593-2605.	3.1	31

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19	Heterogeneous stock rats: a model to study the genetics of despair-like behavior in adolescence. <i>Genes, Brain and Behavior</i> , 2018, 17, 139-148.	2.1	27
20	Extended regions of suspected mis-assembly in the rat reference genome. <i>Scientific Data</i> , 2019, 6, 39.	5.4	27
21	Social and anxiety-like behaviors contribute to nicotine self-administration in adolescent outbred rats. <i>Scientific Reports</i> , 2018, 8, 18069.	3.4	25
22	The regulatory landscape of multiple brain regions in outbred heterogeneous stock rats. <i>Nucleic Acids Research</i> , 2022, 50, 10882-10895.	14.0	24
23	Distinct genetic regulation of progression of diabetes and renal disease in the Goto-Kakizaki rat. <i>Physiological Genomics</i> , 2009, 39, 38-46.	2.3	21
24	The Cocaine and Oxycodone Biobanks, Two Repositories from Genetically Diverse and Behaviorally Characterized Rats for the Study of Addiction. <i>ENeuro</i> , 2021, 8, ENEURO.0033-21.2021.	1.9	18
25	Castration-induced changes in microRNA expression profiles in subcutaneous adipose tissue of male pigs. <i>Journal of Applied Genetics</i> , 2014, 55, 259-266.	1.9	16
26	Spontaneous one-kidney rats are more susceptible to develop hypertension by DOCA-NaCl and subsequent kidney injury compared with uninephrectomized rats. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F1054-F1064.	2.9	16
27	Sept8/SEPTIN8 involvement in cellular structure and kidney damage is identified by genetic mapping and a novel human tubule hypoxic model. <i>Scientific Reports</i> , 2021, 11, 2071.	3.4	16
28	Sensitivity to food and cocaine cues are independent traits in a large sample of heterogeneous stock rats. <i>Scientific Reports</i> , 2021, 11, 2223.	3.4	16
29	Identification of genetic loci involved in diabetes using a rat model of depression. <i>Mammalian Genome</i> , 2009, 20, 486-497.	2.3	14
30	High-fat diet negatively impacts both metabolic and behavioral health in outbred heterogeneous stock rats. <i>Physiological Genomics</i> , 2020, 52, 379-390.	2.3	13
31	Genome-Wide Association Study on Three Behaviors Tested in an Open Field in Heterogeneous Stock Rats Identifies Multiple Loci Implicated in Psychiatric Disorders. <i>Frontiers in Psychiatry</i> , 2022, 13, 790566.	2.7	11
32	Transcriptome-wide analyses of adipose tissue in outbred rats reveal genetic regulatory mechanisms relevant for human obesity. <i>Physiological Genomics</i> , 2022, 54, 206-219.	2.3	9
33	Bisphenol F Exposure in Adolescent Heterogeneous Stock Rats Affects Growth and Adiposity. <i>Toxicological Sciences</i> , 2021, 181, 246-261.	3.1	8
34	Leptin Protects Against the Development and Expression of Cocaine Addiction-Like Behavior in Heterogeneous Stock Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 832899.	2.1	7
35	Genetic Mapping of Multiple Traits Identifies Novel Genes for Adiposity, Lipids, and Insulin Secretory Capacity in Outbred Rats. <i>Diabetes</i> , 2023, 72, 135-148.	0.9	7
36	Genetic variation in satiety signaling and hypothalamic inflammation: merging fields for the study of obesity. <i>Journal of Nutritional Biochemistry</i> , 2022, 101, 108928.	4.3	5

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37	Network-Based Discovery of Opioid Use Vulnerability in Rats Using the Bayesian Stochastic Block Model. <i>Frontiers in Psychiatry</i> , 2021, 12, 745468.	2.7	4
38	Unilateral Xanthelasma Forming a Kissing-Like Lesion. <i>Journal of Dermatology</i> , 2005, 32, 220-222.	1.3	3
39	<i>Tpcn2</i> knockout mice have improved insulin sensitivity and are protected against high-fat diet-induced weight gain. <i>Physiological Genomics</i> , 2018, 50, 605-614.	2.3	3
40	Early life stress induces hyperactivity but not increased anxiety-like behavior or ethanol drinking in outbred heterogeneous stock rats. <i>Alcohol</i> , 2021, 91, 41-51.	2.0	3
41	Changes in environmental stress over COVID-19 pandemic likely contributed to failure to replicate adiposity phenotype associated with <i>Krtcap3</i> . <i>Physiological Genomics</i> , 2023, 55, 452-467.	2.3	2
42	Adenylate cyclase 3: a potential genetic link between obesity and major depressive disorder. <i>Physiological Genomics</i> , 2024, 56, 1-8.	2.3	1
43	Do computers dream of electric glomeruli?. <i>Kidney International</i> , 2018, 94, 635.	5.4	0
44	The impact of new agricultural export policy on Indian agriculture exports. <i>Journal of Public Affairs</i> , 2020, 20, e2303.	3.0	0
45	High Fat Diet Negatively Impacts both Metabolic and Emotional Health in an Outbred Rat Model. <i>FASEB Journal</i> , 2019, 33, 594.2.	0.5	0
46	Metabolic Influences of Bisphenol F Exposure in Population-based Heterogeneous Stock Rats. <i>FASEB Journal</i> , 2019, 33, 594.1.	0.5	0
47	Metabolic Effects of Maternal Bisphenol F Exposure in Population-based Heterogeneous Stock Rats. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
48	<i>Keratinocyte-associated Protein 3</i> May Participate in the Stress Response to Impact Adiposity. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
49	Genetic Background in the Rat Impacts Metabolic Outcomes of Postwean BPF Exposure. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
50	In teaching youths to learn critically: the role of family, formal and non-formal education – findings from a middle-income context. <i>Asia Pacific Journal of Education</i> , 0, , 1-16.	2.4	0
51	Genome-wide association study of delay discounting in Heterogeneous Stock rats. <i>Genes, Brain and Behavior</i> , 2024, 23, .	2.1	0
52	Y and Mitochondrial Chromosomes in the Heterogeneous Stock Rat Population. <i>G3: Genes, Genomes, Genetics</i> , 0, , .	1.9	0