

# Disruption of Circadian Rhythms Accelerates Development of Beta-Cell Loss and Dysfunction

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Linking neural activity and molecular oscillations in the SCN. <i>Nature Reviews Neuroscience</i> , 2011, 12, 553-569.	4.9	377
2	Shift Work as a Risk Factor for Future Type 2 Diabetes: Evidence, Mechanisms, Implications, and Future Research Directions. <i>PLoS Medicine</i> , 2011, 8, e1001138.	3.9	89
3	Toward a unified model of developmental timing. <i>Worm</i> , 2012, 1, 221-230.	1.0	29
4	Dynamic neuronal network organization of the circadian clock and possible deterioration in disease. <i>Progress in Brain Research</i> , 2012, 199, 143-162.	0.9	33
5	Advances in understanding the peripheral circadian clocks. <i>FASEB Journal</i> , 2012, 26, 3602-3613.	0.2	165
6	The impact of the circadian timing system on cardiovascular and metabolic function. <i>Progress in Brain Research</i> , 2012, 199, 337-358.	0.9	153
7	Impact of Five Nights of Sleep Restriction on Glucose Metabolism, Leptin and Testosterone in Young Adult Men. <i>PLoS ONE</i> , 2012, 7, e41218.	1.1	182
8	The Circadian Control of Skin and Cutaneous Photodamage <sup>&lt;sup&gt;â€‹&lt;/sup&gt;</sup> . <i>Photochemistry and Photobiology</i> , 2012, 88, 1037-1047.	1.3	32
9	The times theyâ€™re a-changing: Effects of circadian desynchronization on physiology and disease. <i>Journal of Physiology (Paris)</i> , 2013, 107, 310-322.	2.1	110
10	Autonomous and self-sustained circadian oscillators displayed in human islet cells. <i>Diabetologia</i> , 2013, 56, 497-507.	2.9	92
11	Circadian dysfunction may be a key component of the non-motor symptoms of Parkinson's disease: Insights from a transgenic mouse model. <i>Experimental Neurology</i> , 2013, 243, 57-66.	2.0	54
12	How to fix a broken clock. <i>Trends in Pharmacological Sciences</i> , 2013, 34, 605-619.	4.0	169
13	Mechanism of bilateral communication in the suprachiasmatic nucleus. <i>European Journal of Neuroscience</i> , 2013, 37, 964-971.	1.2	32
14	Circadian Disruption Leads to Insulin Resistance and Obesity. <i>Current Biology</i> , 2013, 23, 372-381.	1.8	364
15	Exposure to Shift Work as a Risk Factor for Diabetes. <i>Journal of Biological Rhythms</i> , 2013, 28, 356-359.	1.4	60
16	Consequences of Exposure to Light at Night on the Pancreatic Islet Circadian Clock and Function in Rats. <i>Diabetes</i> , 2013, 62, 3469-3478.	0.3	119
17	Detrimental effects of constant light exposure and highâ€‹fat diet on circadian energy metabolism and insulin sensitivity. <i>FASEB Journal</i> , 2013, 27, 1721-1732.	0.2	213
18	Bmal1 and Î²-Cell Clock Are Required for Adaptation to Circadian Disruption, and Their Loss of Function Leads to Oxidative Stress-Induced Î²-Cell Failure in Mice. <i>Molecular and Cellular Biology</i> , 2013, 33, 2327-2338.	1.1	175

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19	Mechanism of the circadian clock in physiology. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R1053-R1064.	0.9	113
20	Dicer Expression Exhibits a Tissue-Specific Diurnal Pattern That Is Lost during Aging and in Diabetes. <i>PLoS ONE</i> , 2013, 8, e80029.	1.1	42
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30	Should we listen to our clock to prevent type 2 diabetes mellitus?. <i>Diabetes Research and Clinical Practice</i> , 2014, 106, 182-190.	1.1	28
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39	Shift work and its association with metabolic disorders. <i>Diabetology and Metabolic Syndrome</i> , 2015, 7, 45.	1.2	118

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41	Shiftwork, sleep habits, and metabolic disparities: results from the Survey of the Health of Wisconsin. <i>Sleep Health</i> , 2015, 1, 115-120.	1.3	28
42	Plasticity of circadian clocks and consequences for metabolism. <i>Diabetes, Obesity and Metabolism</i> , 2015, 17, 65-75.	2.2	31
43	The islet circadian clock: entrainment mechanisms, function and role in glucose homeostasis. <i>Diabetes, Obesity and Metabolism</i> , 2015, 17, 115-122.	2.2	27
44	Circadian rhythms in liver metabolism and disease. <i>Acta Pharmaceutica Sinica B</i> , 2015, 5, 113-122.	5.7	96
45	Is blue light, cryptochrome in the eye, and magnetite in the brain involved in the development of frontotemporal dementia and other diseases?. <i>Medical Hypotheses</i> , 2015, 84, 379-380.	0.8	1
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59	Practical combination therapy based on pathophysiology of type 2 diabetes. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2016, Volume 9, 355-369.	1.1	16
60	Bedtime Variability and Metabolic Health in Midlife Women: The SWAN Sleep Study. <i>Sleep</i> , 2016, 39, 457-465.	0.6	74

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62	Circadian System and Glucose Metabolism: Implications for Physiology and Disease. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 282-293.	3.1	241
63	Nutrition in the spotlight: metabolic effects of environmental light. <i>Proceedings of the Nutrition Society</i> , 2016, 75, 451-463.	0.4	17
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69	Effects of the Internal Circadian System and Circadian Misalignment on Glucose Tolerance in Chronic Shift Workers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1066-1074.	1.8	151
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80	Chronic photoperiod disruption does not increase vulnerability to focal cerebral ischemia in young normotensive rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3580-3588.	2.4	2
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128	Role of the Immune System and the Circadian Rhythm in the Pathogenesis of Chronic Pancreatitis. Pancreas, 2020, 49, 1024-1032.	0.5	30
129	Genipin improves reproductive health problems caused by circadian disruption in male mice. Reproductive Biology and Endocrinology, 2020, 18, 122.	1.4	8
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139	Circadian Clockâ€“Controlled Drug Metabolism: Implications for Chronotherapeutics. <i>Drug Metabolism and Disposition</i> , 2020, 48, 395-406.	1.7	36
140	Abnormal food timing and predisposition to weight gain: Role of barrier dysfunction and microbiota. <i>Translational Research</i> , 2021, 231, 113-123.	2.2	13
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#	ARTICLE	IF	CITATIONS
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165	The Effects of Blue LED Light on Behavior and Retinal Function in Maternal and Offspring Mice. <i>Journal of Behavioral and Brain Science</i> , 2017, 07, 348-359.	0.2	2
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168	Light intensity alters the effects of light-induced circadian disruption on glucose and lipid metabolism in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E1-E9.	1.8	10
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171	Diabetes Alters Diurnal Rhythm of Electroretinogram in db/db Mice. <i>Yale Journal of Biology and Medicine</i> , 2019, 92, 155-167.	0.2	3
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173	Associations of Insomnia With Hypertension and Coronary Artery Disease Among Patients With Type 2 Diabetes Mellitus. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 730654.	1.1	3
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#	ARTICLE	IF	CITATIONS
176	Misaligned feeding schedule elicits divergent circadian reorganizations in endo- and exocrine pancreas clocks. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	3
177	The impact of sleep disorders on the formation and course of cardiovascular diseases. Review. <i>Ukrainian Therapeutical Journal</i> , 2022, , 68-77.	0.0	0
178	Circadian rhythms and pancreas physiology: A review. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	9
179	Lower morning levels of cortisol and neuropeptides in blood samples from patients with bipolar disorder. <i>Journal of Affective Disorders Reports</i> , 2022, 10, 100406.	0.9	0
180	Microminiaturization of Multichannel Multifrequency Radiographs. <i>Bio-Medical Engineering</i> , 2022, 56, 225-229.	0.3	2
181	Prospects of Microminiaturization of Multichannel Multi-Frequency Radiothermographs. <i>Infocommunications and Radio Technologies</i> , 2022, 5, 531-547.	0.0	0
182	Circadian Disruption and Consequences on Innate Immunity and Inflammatory Response. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13722.	1.8	13
183	Eating Patterns among Emergency Medical Service Providers in the United States: A Qualitative Interview Study. <i>Nutrients</i> , 2022, 14, 4884.	1.7	1
184	Beating the Clock in Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 0, , .	2.5	1
185	Stride-to-Stride Fluctuations of Human Gait Are Affected By Chronobiology: An Exploratory Study. <i>Advanced Biology</i> , 2023, 7, .	1.4	2
186	Shift patterns, physical exercise, and Type 2 diabetes mellitus (T2DM): a prospective cohort study in China. <i>Translational Behavioral Medicine</i> , 2023, 13, 183-191.	1.2	3
187	Effect of Circadian Rhythm Disturbance on the Human Musculoskeletal System and the Importance of Nutritional Strategies. <i>Nutrients</i> , 2023, 15, 734.	1.7	4
188	Gastric bypass alters diurnal feeding behavior and reprograms the hepatic clock to regulate endogenous glucose flux. <i>JCI Insight</i> , 2023, 8, .	2.3	0
189	Non-dipping blood pressure pattern is associated with higher risk of new-onset diabetes in hypertensive patients with obstructive sleep apnea: UIROSAH data. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	2
190	The melatonin receptor 1B gene links circadian rhythms and type 2 diabetes mellitus: an evolutionary story. <i>Annals of Medicine</i> , 2023, 55, 1262-1286.	1.5	8