

Resource Summary Report

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Joslin Diabetes Center Bioinformatics and Biostatistics Core

RRID:SCR_015092

Type: Tool

Proper Citation

Joslin Diabetes Center Bioinformatics and Biostatistics Core (RRID:SCR_015092)

Resource Information

URL: <https://www.joslin.org/research/diabetes-research-centercore-laboratories/bioinformatics-biostatistics-core>

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Description: Core that offers support for data-driven projects related to basic, clinical and translational research, with a particular emphasis on diabetes. The core aims to ensure that researchers take advantage of the most modern and robust methods available in the field of Bioinformatics and Biostatistics.

Abbreviations: JDC,

Synonyms: Biostatistics, JDC, Joslin Diabetes Center, Bioinformatics, Bioinformatics and Biostatistics Core

Resource Type: access service resource, service resource, core facility

Keywords: Joslin Diabetes Center, JDC, bioinformatics, serice, diabetes, bioinformatics, omic

Related Condition: Diabetes

Funding: NIDDK P30 DK036836

Availability: Available to the research community

Resource Name: Joslin Diabetes Center Bioinformatics and Biostatistics Core

Resource ID: SCR_015092

Old URLs: <https://joslinresearch.org/drc-cores/Bioinformatics-Core>,
<https://joslinresearch.org/drc-cores/bioinformatics-and-biostatistics-core/>

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260729T044358+0000

Ratings and Alerts

No rating or validation information has been found for Joslin Diabetes Center Bioinformatics and Biostatistics Core.

No alerts have been found for Joslin Diabetes Center Bioinformatics and Biostatistics Core.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 590 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Mehta SN, et al. (2017) Changes in HbA1c and Weight Following Transition to Continuous Subcutaneous Insulin Infusion Therapy in Adults With Type 1 Diabetes. Journal of diabetes science and technology, 11(1), 83.

Sim??o F, et al. (2017) The Effects of the Contact Activation System on Hemorrhage. Frontiers in medicine, 4, 121.

Merry TL, et al. (2017) Impairment of insulin signalling in peripheral tissue fails to extend murine lifespan. Aging cell, 16(4), 761.

May FJ, et al. (2017) Lipidomic Adaptations in White and Brown Adipose Tissue in Response to Exercise Demonstrate Molecular Species-Specific Remodeling. Cell reports, 18(6), 1558.

Shamsi F, et al. (2017) MicroRNA Regulation of Brown Adipogenesis and Thermogenic Energy Expenditure. Frontiers in endocrinology, 8, 205.

Cai W, et al. (2017) Domain-dependent effects of insulin and IGF-1 receptors on signalling and gene expression. Nature communications, 8, 14892.

Qi W, et al. (2017) Pyruvate kinase M2 activation may protect against the progression of diabetic glomerular pathology and mitochondrial dysfunction. Nature medicine, 23(6), 753.

Ferris HA, et al. (2017) Loss of astrocyte cholesterol synthesis disrupts neuronal function and alters whole-body metabolism. Proceedings of the National Academy of Sciences of

the United States of America, 114(5), 1189.

Thomou T, et al. (2017) Adipose-derived circulating miRNAs regulate gene expression in other tissues. *Nature*, 542(7642), 450.

Kriszt R, et al. (2017) Optical visualisation of thermogenesis in stimulated single-cell brown adipocytes. *Scientific reports*, 7(1), 1383.

Sinha I, et al. (2017) Prolyl Hydroxylase Domain-2 Inhibition Improves Skeletal Muscle Regeneration in a Male Murine Model of Obesity. *Frontiers in endocrinology*, 8, 153.

Weir GC, et al. (2017) Glucose Driven Changes in Beta Cell Identity Are Important for Function and Possibly Autoimmune Vulnerability during the Progression of Type 1 Diabetes. *Frontiers in genetics*, 8, 2.

Volkening LK, et al. (2017) Recruitment Into a Pediatric Continuous Glucose Monitoring RCT. *Journal of diabetes science and technology*, 11(1), 100.

Gao F, et al. (2016) Monoacylglycerol Analysis Using MS/MS(ALL) Quadruple Time of Flight Mass Spectrometry. *Metabolites*, 6(3).

Fujisaka S, et al. (2016) Antibiotic effects on gut microbiota and metabolism are host dependent. *The Journal of clinical investigation*, 126(12), 4430.

Pavkov ME, et al. (2016) Tumor necrosis factor receptors 1 and 2 are associated with early glomerular lesions in type 2 diabetes. *Kidney international*, 89(1), 226.

Ogawa T, et al. (2016) Natural thioallyl compounds increase oxidative stress resistance and lifespan in *Caenorhabditis elegans* by modulating SKN-1/Nrf. *Scientific reports*, 6, 21611.

Low Wang CC, et al. (2016) Clinical Update: Cardiovascular Disease in Diabetes Mellitus: Atherosclerotic Cardiovascular Disease and Heart Failure in Type 2 Diabetes Mellitus - Mechanisms, Management, and Clinical Considerations. *Circulation*, 133(24), 2459.

Gonzalez-Franquesa A, et al. (2016) What Have Metabolomics Approaches Taught Us About Type 2 Diabetes? *Current diabetes reports*, 16(8), 74.

Burkart AM, et al. (2016) Insulin Resistance in Human iPS Cells Reduces Mitochondrial Size and Function. *Scientific reports*, 6, 22788.