

L1000 viewer: A search engine and Web interface for the LINCS data repository

Musa, A., Tripathi, S., Dehmer, M. & Emmert-Streib, F., 2019, In : *Frontiers in Genetics*. 10, JUN, 557.

Research output: Contribution to journal > Article > Scientific > peer-review

Prostate cancer gene regulatory network inferred from RNA-seq data

Moore, D., Simoes, R. D. M., Dehmer, M. & Emmert-Streib, F., 2019, In : *CURRENT GENOMICS*. 20, 1, p. 38-48 11 p.

Research output: Contribution to journal > Article > Scientific > peer-review

In a quest for engineering acidophiles for biomining applications: Challenges and opportunities

Gumulya, Y., Boxall, N. J., Khaleque, H. N., Santala, V., Carlson, R. P. & Kaksonen, A. H., 21 Feb 2018, In : *Genes*. 9, 2, 116.

Research output: Contribution to journal > Review Article > Scientific > peer-review

Lessons from the human genome project: Modesty, honesty, and realism

Emmert-Streib, F., Dehmer, M. & Yli-Harja, O., 23 Nov 2017, In : *Frontiers in Genetics*. 8, NOV, 184.

Research output: Contribution to journal > Comment/debate > Scientific > peer-review

Against dataism and for data sharing of big biomedical and clinical data with research parasites

Emmert-Streib, F., Dehmer, M. & Yli-Harja, O., 31 Aug 2016, In : *Frontiers in Genetics*. 7, AUG, 154.

Research output: Contribution to journal > Comment/debate > Scientific > peer-review

The need for formally defining "modern medicine" by means of experimental design

Emmert-Streib, F., Tuomisto, L. & Yli-Harja, O., 20 Apr 2016, In : *Frontiers in Genetics*. 7, APR, 60.

Research output: Contribution to journal > Article > Scientific > peer-review

Multiple novel prostate cancer susceptibility signals identified by fine-mapping of known risk loci among Europeans

Al Olama, A. A., Dadaev, T., Hazelett, D. J., Li, Q., Leongamornlert, D., Saunders, E. J., Stephens, S., Cieza-Borrella, C., Whitmore, I., Garcia, S. B., Giles, G. G., Southey, M. C., Fitzgerald, L., Gronberg, H., Wiklund, F., Aly, M., Henderson, B. E., Schumacher, F., Haiman, C. A., Schleutker, J., Wahlfors, T., Tammela, T. L., Nordestgaard, B. G., Key, T. J., Travis, R. C., Neal, D. E., Donovan, J. L., Hamdy, F. C., Pharoah, P., Pashayan, N., Khaw, K. T., Stanford, J. L., Thibodeau, S. N., McDonnell, S. K., Schaid, D. J., Maier, C., Vogel, W., Luedeke, M., Herkommer, K., Kibel, A. S., Cybulski, C., Wokolorczyk, D., Kluzniak, W., Cannon-Albright, L., Brenner, H., Butterbach, K., Arndt, V., Park, J. Y., Sellers, T., Lin, H. Y., Slavov, C., Kaneva, R., Mitev, V., Batra, J., Clements, J. A., Spurdle, A., Teixeira, M. R., Paulo, P., Maia, S., Pandha, H., Michael, A., Kierzek, A., Govindasami, K., Guy, M., Lophatonanon, A., Muir, K., Viñuela, A., Brown, A. A., Freedman, M., Conti, D. V., Easton, D., Coetzee, G. A., Eeles, R. A. & Kote-Jarai, Z., 1 Oct 2015, In : *HUMAN MOLECULAR GENETICS*. 24, 19, p. 5589-5602 14 p., dddv203.

Research output: Contribution to journal > Article > Scientific > peer-review

A genome-wide expression quantitative trait loci analysis of proprotein convertase subtilisin/kexin enzymes identifies a novel regulatory gene variant for FURIN expression and blood pressure

Turpeinen, H., Seppälä, I., Lyytikäinen, L. P., Raitoharju, E., Hutri-Kähönen, N., Levula, M., Oksala, N., Waldenberger, M., Klopp, N., Illig, T., Mononen, N., Laaksonen, R., Raitakari, O., Kähönen, M., Lehtimäki, T. & Pesu, M., 1 Jun 2015, In : *HUMAN GENETICS*. 134, 6, p. 627-636 10 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Association analysis of 9,560 prostate cancer cases from the International Consortium of Prostate Cancer Genetics confirms the role of reported prostate cancer associated SNPs for familial disease

Teerlink, C. C., Thibodeau, S. N., McDonnell, S. K., Schaid, D. J., Rinckleb, A., Maier, C., Vogel, W., Cancel-Tassin, G., Egrot, C., Cussenot, O., Foulkes, W. D., Giles, G. G., Hopper, J. L., Severi, G., Eeles, R., Easton, D., Kote-Jarai, Z., Guy, M., Cooney, K. A., Ray, A. M., Zuhlke, K. A., Lange, E. M., Fitzgerald, L. M., Stanford, J. L., Ostrander, E. A., Wiley, K. E., Isaacs, S. D., Walsh, P. C., Isaacs, W. B., Wahlfors, T., Tammela, T., Schleutker, J., Wiklund, F., Grönberg, H., Emanuelsson, M., Carpten, J., Bailey-Wilson, J., Whittemore, A. S., Oakley-Girvan, I., Hsieh, C. L., Catalona, W. J., Zheng, S. L., Jin, G., Lu, L., Xu, J., Camp, N. J. & Cannon-Albright, L. A., Mar 2014, In : *HUMAN GENETICS*. 133, 3, p. 347-356 10 p.

Research output: Contribution to journal > Article > Scientific > peer-review

A Novel MMP12 Locus Is Associated with Large Artery Atherosclerotic Stroke Using a Genome-Wide Age-at-Onset Informed Approach

Traylor, M., Mäkelä, K. M., Kilarski, L. L., Holliday, E. G., Devan, W. J., Nalls, M. A., Wiggins, K. L., Zhao, W., Cheng, Y. C., Achterberg, S., Malik, R., Sudlow, C., Bevan, S., Raitoharju, E., Oksala, N., Thijs, V., Lemmens, R., Lindgren, A., Slowik, A., Maguire, J. M., Walters, M., Algra, A., Sharma, P., Attia, J. R., Boncoraglio, G. B., Rothwell, P. M., de Bakker, P. I. W., Bis, J. C., Saleheen, D., Kittner, S. J., Mitchell, B. D., Rosand, J., Meschia, J. F., Levi, C., Dichgans, M., Lehtimäki, T., Lewis, C. M. & Markus, H. S., 2014, In : PLOS GENETICS. 10, 7, e1004469.

Research output: Contribution to journal > Article > Scientific > peer-review

Enhancing our understanding of ways to analyze metagenomes

Emmert-Streib, F., 2014, In : Frontiers in Genetics. 5, APR, Article 108.

Research output: Contribution to journal > Article > Scientific > peer-review

Relevance of different prior knowledge sources for inferring gene interaction networks

Olsen, C., Bontempi, G., Emmert-Streib, F., Quackenbush, J. & Haibe-Kains, B., 2014, In : Frontiers in Genetics. 5, JUN, Article 177.

Research output: Contribution to journal > Article > Scientific > peer-review

The gene regulatory network for breast cancer: Integrated regulatory landscape of cancer hallmarks

Emmert-Streib, F., Simoes, R. D. M., Mullan, P., Haibe-Kains, B. & Dehmer, M., 2014, In : Frontiers in Genetics. 5, FEB, Article 15.

Research output: Contribution to journal > Article > Scientific > peer-review

Untangling statistical and biological models to understand network inference: The need for a genomics network ontology

Emmert-Streib, F., Dehmer, M. & Haibe-Kains, B., 2014, In : Frontiers in Genetics. 5, AUG, article 229.

Research output: Contribution to journal > Article > Scientific > peer-review

Association of neuroimmune guidance cue netrin-1 and its chemorepulsive receptor UNC5B with atherosclerotic plaque expression signatures and stability in human(s) Tampere Vascular Study (TVS)

Oksala, N., Pärssinen, J., Seppälä, I., Raitoharju, E., Ivana, K., Hernesniemi, J., Lyytikäinen, L. P., Levula, M., Mäkelä, K. M., Sioris, T., Kähönen, M., Laaksonen, R., Hytönen, V. & Lehtimäki, T., Dec 2013, In : Circulation: Cardiovascular Genetics. 6, 6, p. 579-587 9 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Genome-wide association study identifies 3 genomic loci significantly associated with serum levels of homoarginine: The atheroremo consortium

Kleber, M. E., Seppälä, I., Pitz, S., Hoffmann, M. M., Tomaschitz, A., Oksala, N., Raitoharju, E., Lyytikäinen, L. P., Mäkelä, K. M., Laaksonen, R., Kähönen, M., Raitakari, O. T., Huang, J., Kienreich, K., Fahrleitner-Pammer, A., Drechsler, C., Krane, V., Boehm, B. O., Koenig, W., Wanner, C., Lehtimäki, T., März, W. & Meinitzer, A., Oct 2013, In : Circulation: Cardiovascular Genetics. 6, 5, p. 505-513 9 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Somatic alterations contributing to metastasis of a castration-resistant prostate cancer

Nickerson, M. L., Im, K. M., Misner, K. J., Tan, W., Lou, H., Gold, B., Wells, D. W., Bravo, H. C., Fredrikson, K. M., Harkins, T. T., Milos, P., Zbar, B., Linehan, W. M., Yeager, M., Andresson, T., Dean, M. & Bova, G. S., Sep 2013, In : HUMAN MUTATION. 34, 9, p. 1231-1241 11 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Genetic heterogeneity in Finnish hereditary prostate cancer using ordered subset analysis

Simpson, C. L., Cropp, C. D., Wahlfors, T., George, A., Jones, M. S., Harper, U., Ponciano-Jackson, D., Tammela, T., Schleutker, J. & Bailey-Wilson, J. E., Apr 2013, In : EUROPEAN JOURNAL OF HUMAN GENETICS. 21, 4, p. 437-443 7 p.

Research output: Contribution to journal > Article > Scientific > peer-review

A meta-analysis of genome-wide association studies to identify prostate cancer susceptibility loci associated with aggressive and non-aggressive disease

Al Olama, A. A., Kote-Jarai, Z., Schumacher, F. R., Wiklund, F., Berndt, S. I., Benlloch, S., Giles, G. G., Severi, G., Neal, D. E., Hamdy, F. C., Donovan, J. L., Hunter, D. J., Henderson, B. E., Thun, M. J., Gaziano, M., Giovannucci, E. L., Siddiq, A., Travis, R. C., Cox, D. G., Canzian, F., Riboli, E., Key, T. J., Andriole, G., Albanes, D., Hayes, R. B., Schleutker, J., Auvinen, A., Tammela, T. L. J., Weischer, M., Stanford, J. L., Ostrander, E. A., Cybulski, C., Lubinski, J., Thibodeau, S. N., Schaid, D. J., Sorensen, K. D., Batra, J., Clements, J. A., Chambers, S., Aitken, J., Gardiner, R. A., Maier, C., Vogel, W.,

Dörk, T., Brenner, H., Habuchi, T., Ingles, S., John, E. M., Dickinson, J. L., Cannon-Albright, L., Teixeira, M. R., Kaneva, R., Zhang, H. W., Lu, Y. J., Park, J. Y., Cooney, K. A., Muir, K. R., Leongamornlert, D. A., Saunders, E., Tymrakiewicz, M., Mahmud, N., Guy, M., Govindasami, K., O'Brien, L. T., Wilkinson, R. A., Hall, A. L., Sawyer, E. J., Dadaev, T., Morrison, J., Dearnaley, D. P., Horwich, A., Huddart, R. A., Khoo, V. S., Parker, C. C., Van As, N., Woodhouse, C. J., Thompson, A., Dudderidge, T., Ogden, C., Cooper, C. S., Lophatonanon, A., Southey, M. C., Hopper, J. L., English, D., Virtamo, J., Marchand, L. L., Campa, D., Kaaks, R., Lindstrom, S., Diver, W. R., Gapstur, S., Yeager, M., Cox, A., Stern, M. C., Corral, R., Aly, M., Isaacs, W., Adolfsson, J., Xu, J., Zheng, S. L., Wahlfors, T., Taari, K., Kujala, P., Klarskov, P., Nordestgaard, B. G., Røder, M. A., Frikke-Schmidt, R., Bojesen, S. E., FitzGerald, L. M., Kolb, S., Kwon, E. M., Karyadi, D. M., Orntoft, T. F., Borre, M., Rinckleb, A., Luedeke, M., Herkommer, K., Meyer, A., Serth, J. R., Marthick, J. R., Patterson, B., Wokolorczyk, D., Spurdle, A., Lose, F., McDonnell, S. K., Joshi, A. D., Shahabi, A., Pinto, P., Santos, J., Ray, A., Sellers, T. A., Lin, H. Y., Stephenson, R. A., Teerlink, C., Muller, H., Rothenbacher, D., Tsuchiya, N., Narita, S., Cao, G. W., Slavov, C., Mitev, V., Chanock, S., Gronberg, H., Haiman, C. A., Kraft, P., Easton, D. F. & Eeles, R. A., Jan 2013, In : HUMAN MOLECULAR GENETICS. 22, 2, p. 408-415 8 p., dds425.

Research output: Contribution to journal > Article > Scientific > peer-review

HOXB13 is a susceptibility gene for prostate cancer: Results from the International Consortium for Prostate Cancer Genetics (ICPCG)

Xu, J., Lange, E. M., Lu, L., Zheng, S. L., Wang, Z., Thibodeau, S. N., Cannon-Albright, L. A., Teerlink, C. C., Camp, N. J., Johnson, A. M., Zuhlke, K. A., Stanford, J. L., Ostrander, E. A., Wiley, K. E., Isaacs, S. D., Walsh, P. C., Maier, C., Luedeke, M., Vogel, W., Schleutker, J., Wahlfors, T., Tammela, T., Schaid, D., McDonnell, S. K., Derycke, M. S., Cancel-Tassin, G., Cussenot, O., Wiklund, F., Grönberg, H., Eeles, R., Easton, D., Kote-Jarai, Z., Whittemore, A. S., Hsieh, C. L., Giles, G. G., Hopper, J. L., Severi, G., Catalona, W. J., Mandal, D., Ledet, E., Foulkes, W. D., Hamel, N., Mahle, L., Moller, P., Powell, I., Bailey-Wilson, J. E., Carpten, J. D., Seminara, D., Cooney, K. A. & Isaacs, W. B., Jan 2013, In : HUMAN GENETICS. 132, 1, p. 5-14 10 p.

Research output: Contribution to journal > Article > Scientific > peer-review

B-cell lymphoma gene regulatory networks: Biological consistency among inference methods

Simoes, R. D. M., Dehmer, M. & Emmert-Streib, F., 2013, In : *Frontiers in Genetics*. 4, DEC, 00281.

Research output: Contribution to journal > Article > Scientific > peer-review

Personalized medicine: Has it started yet? A reconstruction of the early history

Emmert-Streib, F., 2013, In : *Frontiers in Genetics*. 3, JAN, Article 313.

Research output: Contribution to journal > Article > Scientific > peer-review

Loss of SUFU function in familial multiple meningioma

Aavikko, M., Li, S. P., Saarinen, S., Alhopuro, P., Kaasinen, E., Morgunova, E., Li, Y., Vesanen, K., Smith, M. J., Evans, D. G. R., Pöyhönen, M., Kiuru, A., Auvinen, A., Aaltonen, L. A., Taipale, J. & Vahteristo, P., 7 Sep 2012, In : *AMERICAN JOURNAL OF HUMAN GENETICS*. 91, 3, p. 520-526 7 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Novel Loci for Metabolic Networks and Multi-Tissue Expression Studies Reveal Genes for Atherosclerosis

Inouye, M., Ripatti, S., Kettunen, J., Lyytikäinen, L. P., Oksala, N., Laurila, P. P., Kangas, A. J., Soininen, P., Savolainen, M. J., Viikari, J., Kähönen, M., Perola, M., Salomaa, V., Raitakari, O., Lehtimäki, T., Taskinen, M. R., Järvelin, M. R., Ala-Korpela, M., Palotie, A. & de Bakker, P. I. W., Aug 2012, In : *PLOS GENETICS*. 8, 8, e1002907.

Research output: Contribution to journal > Article > Scientific > peer-review

Validation of prostate cancer risk-related loci identified from genome-wide association studies using family-based association analysis: Evidence from the International Consortium for Prostate Cancer Genetics (ICPCG)

Jin, G., Lu, L., Cooney, K. A., Ray, A. M., Zuhlke, K. A., Lange, E. M., Cannon-Albright, L. A., Camp, N. J., Teerlink, C. C., Fitzgerald, L. M., Stanford, J. L., Wiley, K. E., Isaacs, S. D., Walsh, P. C., Foulkes, W. D., Giles, G. G., Hopper, J. L., Severi, G., Eeles, R., Easton, D., Kote-Jarai, Z., Guy, M., Rinckleb, A., Maier, C., Vogel, W., Cancel-Tassin, G., Egrot, C., Cussenot, O., Thibodeau, S. N., McDonnell, S. K., Schaid, D. J., Wiklund, F., Grönberg, H., Emanuelsson, M., Whittemore, A. S., Oakley-Girvan, I., Hsieh, C. L., Wahlfors, T., Tammela, T., Schleutker, J., Catalona, W. J., Zheng, S. L., Ostrander, E. A., Isaacs, W. B. & Xu, J., Jul 2012, In : *HUMAN GENETICS*. 131, 7, p. 1095-1103 9 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Analysis of Xq27-28 linkage in the international consortium for prostate cancer genetics (ICPCG) families

Bailey-Wilson, J. E., Childs, E. J., Cropp, C. D., Schaid, D. J., Xu, J., Camp, N. J., Cannon-Albright, L. A., Farnham, J. M., George, A., Powell, I., Carpten, J. D., Giles, G. G., Hopper, J. L., Severi, G., English, D. R., Foulkes, W. D., Mæhle, L., Møller, P., Eeles, R., Easton, D., Guy, M., Edwards, S., Badzioch, M. D., Whittemore, A. S., Oakley-Girvan, I., Hsieh, C. L., Dimitrov, L., Stanford, J. L., Karyadi, D. M., Deutsch, K., McIntosh, L., Ostrander, E. A., Wiley, K. E., Isaacs, S. D.,

Walsh, P. C., Thibodeau, S. N., McDonnell, S. K., Hebring, S., Lange, E. M., Cooney, K. A., Tammela, T. L. J., Schleutker, J., Maier, C., Bochum, S., Hoegel, J., Grönberg, H., Wiklund, F., Emanuelsson, M., Cancel-Tassin, G., Valeri, A., Cussenot, O. & Isaacs, W. B., 19 Jun 2012, In : BMC MEDICAL GENETICS. 13, 46.

Research output: Contribution to journal > Article > Scientific > peer-review

Baculovirus-mediated vascular endothelial growth factor-D Δ N Δ C gene transfer induces angiogenesis in rabbit skeletal muscle

Heikura, T., Nieminen, T., Roschier, M. M., Karvinen, H., Kaikkonen, M. U., Mähönen, A. J., Lesch, H. P., Rissanen, T. T., Laitinen, O. H., Airene, K. J. & Ylä-Herttuala, S., Jan 2012, In : JOURNAL OF GENE MEDICINE. 14, 1, p. 35-43 9 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Statistical inference and reverse engineering of gene regulatory networks from observational expression data

Emmert-Streib, F., Glazko, G. V., Altay, G. & Simoes, R. D. M., 2012, In : Frontiers in Genetics. 3, FEB, Article 8.

Research output: Contribution to journal > Article > Scientific > peer-review

Ras regulates interleukin-1 β -induced HIF-1 α transcriptional activity in glioblastoma

Sharma, V., Dixit, D., Koul, N., Mehta, V. S. & Sen, E., Feb 2011, In : JOURNAL OF MOLECULAR MEDICINE: JMM. 89, 2, p. 123-136 14 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Mutation spectra of the drinking water mutagen 3-chloro-4-methyl-5-hydroxy-2(5H)-furanone (MCF) in Salmonella TA100 and TA104: Comparison to MX

Shaughnessy, D. T., Ohe, T., Landi, S., Warren, S. H., Richard, A. M., Munter, T., Franzén, R., Kronberg, L. & DeMarini, D. M., 2000, In : Environmental and Molecular Mutagenesis. 35, 2, p. 106-113 8 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Induction of genotoxic effects by chlorohydroxyfuranones, byproducts of water disinfection, in E. coli K-12 cells recovered from various organs of mice

Fekadu, K., Parzefall, W., Kronberg, L., Franzen, R., Schulte-Hermann, R. & Knasmüller, S., 1994, In : Environmental and Molecular Mutagenesis. 24, 4, p. 317-324 8 p.

Research output: Contribution to journal > Article > Scientific > peer-review