VR subject	PMID Link	Year	Journal	JIF	Title	Authors	PMID	DOI
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/29925878	2018	Nature communications	16,6	Spatial maps of prostate cancer transcriptomes reveal an unexplored landscape of heterogeneity	Berglund, E; Maaskola, J; Schultz, N; Friedrich, S; Marklund, M; Bergenstrahle, J; Tarish, F; Tanoglidi, A; Vickovic, S; Larsson, L; [...]; Helleday, T; Lundeberg, J	29925878	10.1038/s41467-018-04724-5
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/29553578	2018	Nature methods	48	Identification of spatial expression trends in single-cell gene expression data	Edsgard, D; Johnsson, P; Sandberg, R	29553578	10.1038/nmeth.4634
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/29439025	2018	Science	56,9	Thermal proximity coaggregation for system-wide profiling of protein complex dynamics in cells	Tan, CSH; Go, KD; Bisteau, X; Dai, LY; Yong, CH; Prabhu, N; Ozturk, MB; Lim, YT; Sreekumar, L; Lengqvist, J; Tergaonkar, V; Kaldis, P; Sobota, RM; Nordlund, P	29439025	10.1126/science.aan0346
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/30250250	2018	Nature	64,8	The interaction landscape between transcription factors and the nucleosome	Zhu, FJ; Farnung, L; Kaasinen, E; Sahu, B; Yin, YM; Wei, B; Dodonova, SO; Nitta, KR; Morgunova, E; Taipale, M; Cramer, P; Taipale, J	30250250	10.1038/s41586-018-0549-5
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/31133680	2019	Nature communications	16,6	The viral protein corona directs viral pathogenesis and amyloid aggregation	Ezzat, K; Pernemalm, M; Palsson, S; Roberts, TC; Jarver, P; Dondalska, A; Bestas, B; Sobkowiak, MJ; Levanen, B; Skold, M; [...]; Spetz, AL; EL Andaloussi, S	31133680	10.1038/s41467-019-10192-2
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/30602787	2019	Nature	64,8	Genomic encoding of transcriptional burst kinetics	Larsson, AJM; Johnsson, P; Hagemann-Jensen, M; Hartmanis, L; Faridani, OR; Reinius, B; Segerstolpe, A; Rivera, CM; Ren, B; Sandberg, R	30602787	10.1038/s41586-018-0836-1
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/31792459	2019	Nature medicine	82,9	Prenatal androgen exposure and transgenerational susceptibility to polycystic ovary syndrome	Risal, S; Pei, Y; Lu, HJ; Manti, M; Fornes, R; Pui, HP; Zhao, ZY; Massart, J; Ohlsson, C; Lindgren, E; [...]; Deng, QL; Stener-Victorin, E	31792459	10.1038/s41591-019-0666-1
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/31857451	2019	Science	56,9	A genome-wide transcriptomic analysis of protein-coding genes in human blood cells	Uhlen, M; Karlsson, MJ; Zhong, W; Tebani, A; Pou, C; Mikes, J; Lakshmikanth, T; Forsstrom, B; Edfors, F; Odeberg, J; [...]; Fagerberg, L; Brodin, P	31857451	10.1126/science.aax9198
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/31257027	2019	Cell	64,5	BACH1 Stabilization by Antioxidants Stimulates Lung Cancer Metastasis	Wiel, C; Le Gal, K; Ibrahim, MX; Jahangir, CA; Kashif, M; Yao, HD; Ziegler, DV; Xu, XF; Ghosh, T; Mondal, T; Kanduri, C; Lindahl, P; Sayin, VI; Bergo, MO	31257027	10.1016/j.cell.2019.06.005
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/33149112	2020	Nature communications	16,6	Selection, biophysical and structural analysis of synthetic nanobodies that effectively neutralize SARS-CoV-2	Custodio, TF; Das, H; Sheward, DJ; Hanke, L; Pazicky, S; Pieprzyk, J; Sorgenfrei, M; Schroer, MA; Gruzinov, AY; Jeffries, CM; [...]; Hallberg, BM; Low, C	33149112	10.1038/s41467-020-19204-y
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/32518404	2020	Nature biotechnology	46,9	Single-cell RNA counting at allele and isoform resolution using Smart-seq3	Hagemann-Jensen, M; Ziegenhain, C; Chen, P; Ramskold, D; Hendriks, GJ; Larsson, AJM; Faridani, OR; Sandberg, R	32518404	10.1038/s41587-020-0497-0
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/32887876	2020	Nature communications	16,6	An alpaca nanobody neutralizes SARS-CoV-2 by blocking receptor interaction	Hanke, L; Perez, LV; Sheward, DJ; Das, H; Schulte, T; Moliner-Morro, A; Corcoran, M; Achour, A; Hedestam, GBK; Hallberg, BM; Murrell, B; McInerney, GM	32887876	10.1038/s41467-020-18174-5
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/31866443	2020	Cell metabolism	29	Glutamine Links Obesity to Inflammation in Human White Adipose Tissue	Petrus, P; Lecoutre, S; Dollet, L; Wiel, C; Sulen, A; Gao, H; Tavira, B; Laurencikiene, J; Rooyackers, O; Checa, A; [...]; Krook, A; Ryden, M	31866443	10.1016/j.cmet.2019.11.019
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/33846645	2021	Nature biotechnology	46,9	Single-cell CUT&Tag profiles histone modifications and transcription factors in complex tissues	Bartosovic, M; Kabbe, M; Castelo-Branco, G	33846645	10.1038/s41587-021-00869-9
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/33505025	2021	Nature	64,8	Systematic analysis of binding of transcription factors to noncoding variants	Yan, J; Qiu, YJ; dos Santos, AMR; Yin, YM; Li, YE; Vinckier, N; Nariai, N; Benaglio, P; Raman, A; Li, XY; [...]; Taipale, J; Ren, B	33505025	10.1038/s41586-021-03211-0
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/34230007	2021	Cancer discovery	29,1	Pharmacologic Activation of p53 Triggers Viral Mimicry Response Thereby Abolishing Tumor Immune Evasion and Promoting Antitumor Immunity	Zhou, XL; Singh, M; Santos, GS; Guerlavais, V; Carvajal, LA; Aivado, M; Zhan, Y; Oliveira, MMS; Westerberg, LS; Annis, DA; Johnsen, JI; Selivanova, G	34230007	10.1158/2159-8290.cd-20-1741
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/36505976	2022	Advanced functional materials	19	Engineered Spider Silk Proteins for Biomimetic Spinning of Fibers with Toughness Equal to Dragline Silks	Arndt, T; Greco, G; Schmuck, B; Bunz, J; Shilkova, O; Francis, J; Pugno, NM; Jaudzems, K; Barth, A; Johansson, J; Rising, A	36505976	10.1002/adfm.202200986
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/35027755	2022	Nature medicine	82,9	Artificial intelligence for diagnosis and Gleason grading of prostate cancer: the PANDA challenge	Bulten, W; Kartasalo, K; Chen, PHC; Strom, P; Pinckaers, H; Nagpal, K; Cai, YN; Steiner, DF; van Boven, H; Vink, R; [...]; Litjens, G; Eklund, M; PANDA Challenge Consortium	35027755	10.1038/s41591-021-01620-2
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/35978191	2022	Nature	64,8	Spatial profiling of chromatin accessibility in mouse and human tissues	Deng, YX; Bartosovic, M; Ma, S; Zhang, D; Kukanja, P; Xiao, Y; Su, G; Liu, Y; Qin, XY; Rosoklija, GB; [...]; Castelo-Branco, G; Fan, R	35978191	10.1038/s41586-022-05094-1
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/35637418	2022	Nature biotechnology	46,9	Scalable single-cell RNA sequencing from full transcripts with Smart-seq3xpress	Hagemann-Jensen, M; Ziegenhain, C; Sandberg, R	35637418	10.1038/s41587-022-01311-4
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/35030324	2022	Cell metabolism	29	Atlas of exercise metabolism reveals time-dependent signatures of metabolic homeostasis	Sato, S; Dyar, KA; Treebak, JT; Jepsen, SL; Ehrlich, AM; Ashcroft, SP; Trost, K; Kunzke, T; Prade, VM; Small, L; [...]; Zierath, JR; Sassone-Corsi, P	35030324	10.1016/j.cmet.2021.12.016
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/36138169	2023	Nature biotechnology	46,9	Scalable in situ single-cell profiling by electrophoretic capture of mRNA using EEL FISH	Borm, LE; Albiach, AM; Mannens, CCA; Janusauskas, J; Ozgun, C; Fernandez-Garcia, D; Hodge, R; Castillo, F; Hedin, CRH; Villablanca, EJ; Uhlen, P; Lein, ES; Codeluppi, S; Linnarsson, S	36138169	10.1038/s41587-022-01455-3
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/36717026	2023	Journal of hepatology	25,7	Inhibition of VEGF-B signaling prevents non-alcoholic fatty liver disease development by targeting lipolysis in the white adipose tissue	Falkevall, A; Mehlem, A; Folestad, E; Ning, FC; Osorio-Conles, O; Radmann, R; de Hollanda, A; Wright, SD; Scotney, P; Nash, A; Eriksson, U	36717026	10.1016/j.jhep.2023.01.014
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/37012496	2023	Nature metabolism	20,8	Formate overflow drives toxic folate trapping in MTHFD1 inhibited cancer cells	Green, AC; Marttila, P; Kiweler, N; Chalkiadaki, C; Wiita, E; Cookson, V; Lesur, A; Eiden, K; Bernardin, F; Vallin, KSA; [...]; Henriksson, M; Meiser, J	37012496	10.1038/s42255-023-00771-5
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/37217719	2023	Nature microbiology	28,3	Atlas of mRNA translation and decay for bacteria	Huch, S; Nersisyan, L; Ropat, M; Barrett, D; Wu, MJ; Wang, J; Valeriano, VD; Vardazaryan, N; Huerta-Cepas, J; Wei, W; Du, J; Steinmetz, LM; Engstrand, L; Pelechano, V	37217719	10.1038/s41564-023-01393-z
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/37076626	2023	Nature	64,8	The Smc5/6 complex is a DNA loop-extruding motor	Pradhan, B; Kanno, T; Igarashi, MU; Loke, MS; Baaske, MD; Wong, JSK; Jeppsson, K; Bjorkegren, C; Kim, E	37076626	10.1038/s41586-023-05963-3
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/36922587	2023	Nature	64,8	Spatial epigenome-transcriptome co-profiling of mammalian tissues	Zhang, D; Deng, YX; Kukanja, P; Agirre, E; Bartosovic, M; Dong, MZ; Ma, C; Ma, S; Su, GH; Bao, SZ; [...]; Castelo-Branco, G; Fan, R	36922587	10.1038/s41586-023-05795-1
Biochemistry & Molecular biology	https://pubmed.ncbi.nlm.nih.gov/38689023/	2024	Nature metabolism	20,8	Inhibition of mammalian mtDNA transcription acts paradoxically to reverse diet-induced hepatosteatosis and obesity	Jiang, S; Yuan, TL; Rosenberger, FA; Mourier, A; Dragano, NRV; Kremer, LS; Rubalcava-Gracia, D; Hansen, FM; Borg, M; Mennuni, M; [...]; Mann, M; Larsson, NG	38689023	10.1038/s42255-024-01038-3
Biochemistry & Molecular Biology	http://www.ncbi.nlm.nih.gov/pubmed/37815325	2024	Advanced materials	29,4	3D-Printed Biohybrid Microstructures Enable Transplantation and Vascularization of Microtissues in the Anterior Chamber of the Eye	Kavand, H; Visa, M; Kohler, M; van der Wijngaart, W; Berggren, PO; Herland, A	37815325	10.1002/adma.202306686
Biochemistry & molecular biology	https://pubmed.ncbi.nlm.nih.gov/38733567/	2024	Advanced materials	29,4	Transdermal Sensing of Enzyme Biomarker Enabled by Chemo-Responsive Probe-Modified Epidermal Microneedle Patch in Human Skin Tissue	Poursharifi, N; Hassanpouramiri, M; Zink, A; Ucuncu, M; Parlak, O	38733567	10.1002/adma.202403758
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/29298288	2018	Nature	64,8	Hierarchically related lineage-restricted fates of multipotent haematopoietic stem cells	Carrelha, J; Meng, YR; Kettyle, LM; Luis, TC; Norfo, R; Alcolea, V; Boukarabila, H; Grasso, F; Gambardella, A; Grover, A; [...]; Nerlov, C; Jacobsen, SEW	29298288	10.1038/nature25455
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/29861385	2018	Cell metabolism	29	Cancer Lipid Metabolism Confers Antiangiogenic Drug Resistance	Iwamoto, H; Abe, M; Yang, YL; Cui, DM; Seki, T; Nakamura, M; Hosaka, K; Lim, S; Wu, JY; He, XK; [...]; Li, Q; Cao, YH	29861385	10.1016/j.cmet.2018.05.005

Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/30451869	2018	Nature communications	16,6	Competitive repopulation of an empty microglial niche yields functionally distinct subsets of microglia-like cells	Lund, H; Pieber, M; Parsa, R; Han, JM; Grommisch, D; Ewing, E; Kular, L; Needhamsen, M; Espinosa, A; Nilsson, E; Overby, AK; Butovsky, O; Jagodic, M; Zhang, XM; Harris, RA	30451869	10.1038/s41467-018-07295-7
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/29514065	2018	Cell metabolism	29	Paracrine Interactions within the Pancreatic Islet Determine the Glycemic Set Point	Rodriguez-Diaz, R; Molano, RD; Weitz, JR; Abdulreda, MH; Berman, DM; Leibiger, B; Leibiger, IB; Kenyon, NS; Ricordi, C; Pileggi, A; Caicedo, A; Berggren, PO	29514065	10.1016/j.cmet.2018.01.015
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/30814736	2019	Nature	64,8	A radical switch in clonality reveals a stem cell niche in the epiphyseal growth plate	Newton, PT; Li, L; Zhou, BY; Schweingruber, C; Hovorakova, M; Xie, M; Sun, XY; Sandhow, L; Artemov, AV; Ivashkin, E; [...]; Savendahl, L; Chagin, AS	30814736	10.1038/s41586-019-0989-6
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/30609389	2019	Molecular cell	16	SubCellBarCode: Proteome-wide Mapping of Protein Localization and Relocalization	Orre, LM; Vesterlund, M; Pan, YB; Arslan, T; Zhu, YF; Woodbridge, AF; Frings, O; Fredlund, E; Lehtio, J	30609389	10.1016/j.molcel.2018.11.035
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/31068593	2019	Nature communications	16,6	Ribosome biogenesis during cell cycle arrest fuels EMT in development and disease	Prakash, V; Carson, BB; Feenstra, JM; Dass, RA; Sekyrova, P; Hoshino, A; Petersen, J; Guo, Y; Parks, MM; Kurylo, CM; [...]; Blanchard, SC; Vincent, CT	31068593	10.1038/s41467-019-10100-8
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/32109378	2020	Cell stem cell	23,9	The Molecular Anatomy of Mouse Skin during Hair Growth and Rest	Joost, S; Annusver, K; Jacob, T; Sun, XY; Dalessandri, T; Sivan, U; Sequeira, I; Sandberg, R; Kasper, M	32109378	10.1016/j.stem.2020.01.012
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/32968047	2020	Nature communications	16,6	Dental cell type atlas reveals stem and differentiated cell types in mouse and human teeth	Krivanek, J; Soldatov, RA; Kastriti, ME; Chontorotzea, T; Herdina, AN; Petersen, J; Szarowska, B; Landova, M; Matejova, VK; Holla, LI; [...]; Kharchenko, PV; Adameyko, I	32968047	10.1038/s41467-020-18512-7
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/32769974	2020	Nature communications	16,6	Single-cell analysis uncovers fibroblast heterogeneity and criteria for fibroblast and mural cell identification and discrimination	Muhl, L; Genove, G; Leptidis, S; Liu, JP; He, LQ; Mocci, G; Sun, Y; Gustafsson, S; Buyandelger, B; Chivukula, IV; [...]; Lendahl, U; Betsholtz, C	32769974	10.1038/s41467-020-17740-1
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/34380013	2021	Cell metabolism	29	Spatial mapping reveals human adipocyte subpopulations with distinct sensitivities to insulin	Backdahl, J; Franzen, L; Massier, L; Li, Q; Jalkanen, J; Gao, H; Andersson, A; Bhalla, N; Thorell, A; Ryden, M; Stahl, PL; Mejhert, N	34380013	10.1016/j.cmet.2021.07.018
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/33833454	2021	Nature genetics	30,8	Single-cell transcriptomics of human embryos identifies multiple sympathoblast lineages with potential implications for neuroblastoma origin	Kameneva, P; Artemov, AV; Kastriti, ME; Faure, L; Olsen, TK; Otte, J; Erickson, A; Semsch, B; Andersson, ER; Ratz, M; [...]; Kharchenko, PV; Adameyko, I	33833454	10.1038/s41588-021-00818-x
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/34608330	2021	Nature medicine	82,9	Obesity and hyperinsulinemia drive adipocytes to activate a cell cycle program and senesce	Li, Q; Hagberg, CE; Cascales, HS; Lang, S; Hyvonen, MT; Salehzadeh, F; Chen, P; Alexandersson, I; Terezaki, E; Harms, MJ; [...]; Thorell, A; Spalding, KL	34608330	10.1038/s41591-021-01501-8
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/33859435	2021	Nature medicine	82,9	Altered perivascular fibroblast activity precedes ALS disease onset	Manberg, A; Skene, N; Sanders, F; Trusohamn, M; Remnestal, J; Szczepinska, A; Aksoylu, IS; Lonnerberg, P; Ebarasi, L; Wouters, S; [...]; Nilsson, P; Lewandowski, SA	33859435	10.1038/s41591-021-01295-9
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/33420491	2021	Nature cell biology	21,3	Evaluating totipotency using criteria of increasing stringency	Posfai, E; Schell, JP; Janiszewski, A; Rovic, I; Murray, A; Bradshaw, B; Yamakawa, T; Pardon, T; El Bakkali, M; Talon, I; [...]; Lanner, F; Rossant, J	33420491	10.1038/s41556-020-00609-2
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/35922508	2022	Nature	64,8	Brown-fat-mediated tumour suppression by cold-altered global metabolism	Seki, T; Yang, YL; Sun, XT; Lim, S; Xie, SS; Guo, ZH; Xiong, WJ; Kuroda, M; Sakaue, H; Hosaka, K; [...]; Chen, YG; Cao, YH	35922508	10.1038/s41586-022-05030-3
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/33568427	2022	Gut	24,5	Inflammatory cell-derived CXCL3 promotes pancreatic cancer metastasis through a novel myofibroblast-hijacked cancer escape mechanism	Sun, XT; He, XK; Zhang, Y; Hosaka, K; Andersson, P; Wu, J; Wu, JY; Jing, X; Du, QQ; Hui, XL; [...]; Li, Q; Cao, YH	33568427	10.1136/gutjnl-2020-322744
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/37236191	2023	Cell host & microbe	30,3	Memory profiles distinguish cross-reactive and virus-specific T cell immunity to mpox	Adamo, S; Gao, Y; Sekine, T; Mily, A; Wu, JH; Storgard, E; Westergren, V; Filen, F; Sandberg, JK; Sallberg, M; [...]; Grifoni, A; Buggert, M	37236191	10.1016/j.chom.2023.04.015
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/36536148	2023	Nature biotechnology	46,9	Multimodal chromatin profiling using nanobody-based single-cell CUT&Tag	Bartosovic, M; Castelo-Branco, G	36536148	10.1038/s41587-022-01535-4
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/37824650	2023	Science	56,9	Comprehensive cell atlas of the first-trimester developing human brain	Braun, E; Danan-Gotthold, M; Borm, LE; Lee, KW; Vinsland, E; Lonnerberg, P; Hu, LJ; Li, XF; He, XL; Andrusivova, Z; Lundeberg, J; Barker, RA; Arenas, E; Sundstrom, E; Linnarsson, S	37824650	10.1126/science.adf1226
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/37095395	2023	Nature neuroscience	25	Profiling spatiotemporal gene expression of the developing human spinal cord and implications for ependymoma origin	Li, XF; Andrusivova, Z; Czarnewski, P; Langseth, CM; Andersson, A; Liu, Y; Gyllborg, D; Braun, E; Larsson, L; Hu, LJ; [...]; Lundeberg, J; Sundstrom, E	37095395	10.1038/s41593-023-01312-9
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/36922516	2023	Nature communications	16,6	An integrated single cell and spatial transcriptomic map of human white adipose tissue	Massier, L; Jalkanen, J; Elmastas, M; Zhong, JW; Wang, TT; Nankam, PAN; Frendo-Cumbo, S; Backdahl, J; Subramanian, N; Sekine, T; [...]; Ryden, M; Mejhert, N	36922516	10.1038/s41467-023-36983-2
Cell biology	https://pubmed.ncbi.nlm.nih.gov/38816617/	2024	Nature immunology	30,5	Alternative platelet differentiation pathways initiated by nonhierarchically related hematopoietic stem cells	Carrelha, J; Mazzi, S; Winroth, A; Hagemann-Jensen, M; Ziegenhain, C; Hogstrand, K; Seki, M; Brennan, MS; Lehander, M; Wu, BS; [...]; Woll, PS; Jacobsen, SEW	38816617	10.1038/s41590-024-01845-6
Cell biology	https://pubmed.ncbi.nlm.nih.gov/38096358/	2024	Blood	20,3	Identification and surveillance of rare relapse-initiating stem cells during complete remission after transplantation	Dimitriou, M; Mortera-Blanco, T; Tobiasson, M; Mazzi, S; Lehander, M; Hoegstrand, K; Karimi, M; Walldin, G; Jansson, M; Vonlanthen, S; [...]; Woll, PS; Jacobsen, SEW	38096358	10.1182/blood.2023022851
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/38490181	2024	Cell	64,5	ZP2 cleavage blocks polyspermy by modulating the architecture of the egg coat	Nishio, S; Emori, C; Wiseman, B; Fahrenkamp, D; Dioguardi, E; Zamora-Caballero, S; Bokhove, M; Han, L; Stsiapanava, A; Algarra, B; [...]; Ikawa, M; Jovine, L	38490181	10.1016/j.cell.2024.02.013
Cell Biology	http://www.ncbi.nlm.nih.gov/pubmed/37308687	2024	Nature biotechnology	46,9	High-throughput measurement of the content and properties of nano-sized bioparticles with single-particle profiler	Sych, T; Schlegel, J; Barriga, HMG; Ojansivu, M; Hanke, L; Weber, F; Bostancioglu, RB; Ezzat, K; Stangl, H; Plochberger, B; Laurencikiene, J; El Andaloussi, S; Fuerth, D; Stevens, MM; Sezgin, E	37308687	10.1038/s41587-023-01825-5
Cell biology	https://pubmed.ncbi.nlm.nih.gov/38769158/	2024	Nature biomedical engineering	28,1	Antibody-displaying extracellular vesicles for targeted cancer therapy	Wiklander, OPB; Mamand, DR; Mohammad, DK; Zheng, WY; Wiklander, RJ; Sych, T; Zickler, AM; Liang, XM; Sharma, H; Lavado, A; [...]; Gorgens, A; EL Andaloussi, S	38769158	10.1038/s41551-024-01214-6
Genetics & Heredity	http://www.ncbi.nlm.nih.gov/pubmed/30969333	2019	JAMA psychiatry	25,8	Brain Heterogeneity in Schizophrenia and Its Association With Polygenic Risk	Alnaes, D; Kaufmann, T; van der Meer, D; Cordova-Palomera, A; Rokicki, J; Moberget, T; Bettella, F; Agartz, I; Barch, DM; Bertolino, A; [...]; Schwieler, L; Piehl, F; Karolinska Schizophrenia Project	30969333	10.1001/jamapsychiatry.2019.0257
Genetics & Heredity	http://www.ncbi.nlm.nih.gov/pubmed/32998156	2020	Nature	64,8	The major genetic risk factor for severe COVID-19 is inherited from Neanderthals	Zeberg, H; Paabo, S	32998156	10.1038/s41586-020-2818-3
Genetics & Heredity	http://www.ncbi.nlm.nih.gov/pubmed/35027740	2022	Nature genetics	30,8	Multi-ancestry fine mapping implicates OAS1 splicing in risk of severe COVID-19	Huffman, JE; Butler-Laporte, G; Khan, A; Pairo-Castineira, E; Drivas, TG; Peloso, GM; Nakanishi, T; Ganna, A; Verma, A; Baillie, JK; Kiryluk, K; Richards, JB; Zeberg, H; COVID-19 Host Genetics Initiative	35027740	10.1038/s41588-021-00996-8
Genetics & Heredity	http://www.ncbi.nlm.nih.gov/pubmed/37104612	2023	Science	56,9	Leveraging base-pair mammalian constraint to understand genetic variation and human disease	Sullivsn, PF; Meadows, JRS; Gazal, S; Phan, BN; Li, X; Genereux, DP; Dong, MX; Bianchi, M; Andrews, G; Sakthikumar, S; [...]; Karlsson, EK; Lindblad-Toh, K; Zoonomia Consortium	37104612	10.1126/science.abn2937
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/29343433	2018	Immunity	32,4	Oxysterol Sensing through the Receptor GPR183 Promotes the Lymphoid-Tissue-Inducing Function of Innate Lymphoid Cells and Colonic Inflammation	Emgard, J; Kammoun, H; Garcia-Cassani, B; Chesne, J; Parigi, SM; Jacob, JM; Cheng, HW; Evren, E; Das, S; Czarnewski, P; [...]; Flavell, RA; Willinger, T	29343433	10.1016/j.immuni.2017.11.020

Immunology	https://pubmed.ncbi.nlm.nih.gov/30420755/	2018	Nature medicine	82,9	Disease-specific oligodendrocyte lineage cells arise in multiple sclerosis	Falcao, AM; van Bruggen, D; Marques, S; Meijer, M; Jakel, S; Agirre, E; Samudyata; Floriddia, EM; Vanichkina, DP; Ffrench-Constant, C; Williams, A; Guerreiro-Cacais, AO; Castelo-Branco, G	30420755	10.1038/s41591-018-0236-y
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/29217133	2018	The Journal of allergy and clinica	14,2	Prostaglandin E₂ suppresses human group 2 innate lymphoid cell function	Maric, J; Ravindran, A; Mazzurana, L; Bjorklund, AK; Van Acker, A; Rao, A; Friberg, D; Dahlen, SE; Heinemann, A; Konya, V; Mjosberg, J	29217133	10.1016/j.jaci.2017.09.050
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/30142345	2018	Cell	64,5	Stereotypic Immune System Development in Newborn Children	Olin, A; Henckel, E; Chen, Y; Lakshmikanth, T; Pou, C; Mikes, J; Gustafsson, A; Bernhardsson, AK; Zhang, C; Bohlin, K; Brodin, P	30142345	10.1016/j.cell.2018.06.045
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/31231035	2019	Immunity	32,4	Single-Cell RNA Sequencing of the T Helper Cell Response to House Dust Mites Defines a Distinct Gene Expression Signature in Airway Th2 Cells	Tibbitt, CA; Stark, JM; Martens, L; Ma, JJ; Mold, JE; Deswarte, K; Oliynyk, G; Feng, XG; Lambrecht, BN; De Bleser, P; Nylen, S; Hammad, H; Henriksson, MA; Saeys, Y; Coquet, JM	31231035	10.1016/j.immuni.2019.05.014
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/32826343	2020	Science immunology	24,8	Natural killer cell immunotypes related to COVID-19 disease severity	Maucourant, C; Filipovic, I; Ponzetta, A; Aleman, S; Cornillet, M; Hertwig, L; Strunz, B; Lentini, A; Reinius, B; Brownlie, D; [...]; Stralin, K; Bjorkstrom, NK; Karolinska COVID-19 Study Grp	32826343	10.1126/sciimmunol.abd6832
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/32333836	2020	Cell	64,5	Inhibition of SARS-CoV-2 Infections in Engineered Human Tissues Using Clinical-Grade Soluble Human ACE2	Monteil, V; Kwon, H; Prado, P; Hagelkruys, A; Wimmer, RA; Stahl, M; Leopoldi, A; Garreta, E; del Pozo, CH; Prosper, F; [...]; Mirazimi, A; Penninger, JM	32333836	10.1016/j.cell.2020.04.004
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/31770109	2020	The Journal of clinical investigati	15,9	CD73 immune checkpoint defines regulatory NK cells within the tumor microenvironment	Neo, SY; Yang, Y; Record, J; Ma, R; Chen, XS; Chen, ZQ; Tobin, NP; Blake, E; Seitz, C; Thomas, R; [...]; Hartman, J; Lundqvist, A	31770109	10.1172/jci128895
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/32989174	2020	Science immunology	24,8	MAIT cell activation and dynamics associated with COVID-19 disease severity	Parrot, T; Gorin, JB; Ponzetta, A; Maleki, KT; Kammann, T; Emgard, J; Perez-Potti, A; Sekine, T; Rivera-Ballesteros, O; Gredmark-Russ, S; [...]; Stralin, K; Sandberg, JK; Karolinska COVID-19 Study Grp	32989174	10.1126/sciimmunol.abe1670
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/32979941	2020	Cell	64,5	Robust T Cell Immunity in Convalescent Individuals with Asymptomatic or Mild COVID-19	Sekine, T; Perez-Potti, A; Rivera-Ballesteros, O; Stralin, K; Gorin, JB; Olsson, A; Llewellyn-Lacey, S; Kamal, H; Bogdanovic, G; Muschiol, S; [...]; Aleman, S; Buggert, M; Karolinska COVID-19 Study Grp	32979941	10.1016/j.cell.2020.08.017
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/33382972	2021	Immunity	32,4	Distinct developmental pathways from blood monocytes generate human lung macrophage diversity	Evren, E; Ringqvist, E; Tripathi, KP; Sleiers, N; Rives, IC; Alisjahbana, A; Gao, Y; Sarhan, D; Halle, T; Sorini, C; [...]; Villablanca, EJ; Willinger, T	33382972	10.1016/j.immuni.2020.12.003
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/33257849	2021	Nature microbiology	28,3	A DNA-based vaccine protects against Crimean-Congo haemorrhagic fever virus disease in a Cynomolgus macaque model	Hawman, DW; Ahlen, G; Appelberg, KS; Meade-White, K; Hanley, PW; Scott, D; Monteil, V; Devignot, S; Okumura, A; Weber, F; Feldmann, H; Sallberg, M; Mirazimi, A	33257849	10.1038/s41564-020-00815-6
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/34143954	2021	Cell	64,5	Bifidobacteria-mediated immune system imprinting early in life	Henrick, BM; Rodriguez, L; Lakshmikanth, T; Pou, C; Henckel, E; Arzoomand, A; Olin, A; Wang, J; Mikes, J; Tan, ZY; [...]; Frese, SA; Brodin, P	34143954	10.1016/j.cell.2021.05.030
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/33420427	2021	Cell research	44,1	Tissue-specific transcriptional imprinting and heterogeneity in human innate lymphoid cells revealed by full-length single-cell RNA-sequencing	Mazzurana, L; Czarnewski, P; Jonsson, V; Wigge, L; Ringner, M; Williams, TC; Ravindran, A; Bjorklund, AK; Safholm, J; Nilsson, G; [...]; Almer, S; Mjosberg, J	33420427	10.1038/s41422-020-00445-x
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/34519539	2021	Science immunology	24,8	Identification of resident memory CD8⁺ T cells with functional specificity for SARS-CoV-2 in unexposed oropharyngeal lymphoid tissue	Niessl, J; Sekine, T; Lange, J; Konya, V; Forkel, M; Maric, J; Rao, A; Mazzurana, L; Kokkinou, E; Weigel, W; [...]; Friberg, D; Buggert, M	34519539	10.1126/sciimmunol.abk0894
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/35831277	2022	Nature communications	16,6	Single cell sequencing identifies clonally expanded synovial CD4⁺ T_{PH} cells expressing GPR56 in rheumatoid arthritis	Argyriou, A; Wadsworth, MH; Lendvai, A; Christensen, SM; Hensvold, AH; Gerstner, C; van Vollenhoven, A; Kravarik, K; Winkler, A; Malmstrom, V; Chemin, K	35831277	10.1038/s41467-022-31519-6
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/35042228	2022	Nature medicine	82,9	Ancestral SARS-CoV-2-specific T cells cross-recognize the Omicron variant	Gao, Y; Cai, C; Grifoni, A; Muller, TR; Niessl, J; Olofsson, A; Humbert, M; Hansson, L; Osterborg, A; Bergman, P; [...]; Aleman, S; Buggert, M	35042228	10.1038/s41591-022-01700-x
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/35961317	2022	Immunity	32,4	Immunodeficiency syndromes differentially impact the functional profile of SARS-CoV-2-specific T cells elicited by mRNA vaccination	Gao, Y; Cai, C; Wullimann, D; Niessl, J; Rivera-Ballesteros, O; Chen, PR; Lange, J; Cuapio, A; Blennow, O; Hansson, L; [...]; Aleman, S; Buggert, M	35961317	10.1016/j.immuni.2022.07.005
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/35149721	2022	Nature communications	16,6	The spatial transcriptomic landscape of the healing mouse intestine following damage	Parigi, SM; Larsson, L; Das, S; Flores, ROR; Frede, A; Tripathi, KP; Diaz, OE; Selin, K; Morales, RA; Luo, XX; [...]; Lundeberg, J; Villablanca, EJ	35149721	10.1038/s41467-022-28497-0
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/35977815	2023	Gut	24,5	Novel prime-boost immune-based therapy inhibiting both hepatitis B and D virus infections	Burm, R; Maravelia, P; Ahlen, G; Ciesek, S; Perez, NC; Pasetto, A; Urban, S; Van Houtte, F; Verhoye, L; Wedemeyer, H; Johansson, M; Frelin, L; Sallberg, M; Meuleman, P	35977815	10.1136/gutjnl-2022-327216
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/38064569	2023	Science immunology	24,8	SARS-CoV-2 vaccination enhances the effector qualities of spike-specific T cells induced by COVID-19	Cai, CR; Gao, Y; Adamo, S; Rivera-Ballesteros, O; Hansson, L; Osterborg, A; Bergman, P; Sandberg, JK; Ljunggren, HG; Bjorkstrom, NK; [...]; Aleman, S; Buggert, M	38064569	10.1126/sciimmunol.adh0687
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/36796364	2023	Immunity	32,4	Archaic humans have contributed to large-scale variation in modern human T cell receptor genes	Corcoran, M; Chernyshev, M; Mandolesi, M; Narang, S; Kaduk, M; Ye, KW; Sundling, C; Farnert, A; Kreslavsky, T; Bernhardsson, C; Larena, M; Jakobsson, M; Hedestam, GBK	36796364	10.1016/j.immuni.2023.01.026
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/38060664	2023	Science	56,9	Spatial transcriptomics of B cell and T cell receptors reveals lymphocyte clonal dynamics	Engblom, C; Thrane, K; Lin, QR; Andersson, A; Toosi, H; Chen, XS; Steiner, E; Lu, C; Mantovani, G; Hagemann-Jensen, M; [...]; Lundeberg, J; Frisen, J	38060664	10.1126/science.adf8486
Immunology	https://pubmed.ncbi.nlm.nih.gov/37160121/	2023	Cell reports. Medicine	14,3	The single-cell transcriptional landscape of innate and adaptive lymphocytes in pediatric-onset colitis	Kokkinou, E; Soini, T; Pandey, RV; van Acker, A; Theorell, J; Czarnewski, P; Kvedaraite, E; Vandamme, N; Lourda, M; Sorini, C; [...]; Rolandsdotter, H; Mjosberg, J	37160121	10.1016/j.xcrm.2023.101038
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/36302218	2023	Cancer discovery	29,1	Cellular Senescence Is Immunogenic and Promotes Antitumor Immunity	Marin, I; Boix, O; Garcia-Garijo, A; Sirois, I; Caballe, A; Zarzuela, E; Ruano, I; Attolini, CSO; Prats, N; Lopez-Dominguez, JA; [...]; Pietrocola, F; Serrano, M	36302218	10.1158/2159-8290.cd-22-0523
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/37689061	2023	Immunity	32,4	Multivalent antigen display on nanoparticle immunogens increases B cell clonotype diversity and neutralization breadth to pneumoviruses	Ols, S; Lenart, K; Cerveira, RA; Miranda, MC; Brunette, N; Kochmann, J; Corcoran, M; Skotheim, R; Philomin, A; Cagigi, A; [...]; King, NP; Lore, K	37689061	10.1016/j.immuni.2023.08.011
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/37269830	2023	Immunity	32,4	Human skin-resident CD8+T cells require RUNX2 and RUNX3 for induction of cytotoxicity and expression of the integrin CD49a	Zitti, B; Hoffer, E; Zheng, WN; Pandey, RV; Schlums, H; Casoni, GP; Fusi, I; Nguyen, L; Karner, J; Kokkinou, E; [...]; Eidsmo, L; Bryceson, YT	37269830	10.1016/j.immuni.2023.05.003
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/37490909	2023	Immunity	32,4	Graded expression of the chemokine receptor CX3CR1 marks differentiation states of human and murine T cells and enables cross-species interpretation	Zwijnenburg, AJ; Pokharel, J; Varnait, R; Zheng, WN; Hoffer, E; Shryki, I; Comet, NR; Ehrstrom, M; Gredmark-Russ, S; Eidsmo, L; Gerlach, C	37490909	10.1016/j.immuni.2023.06.025
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/38579017	2024	Science immunology	24,8	Tissue-specific nonheritable influences drive endometrial immune system variation	Bister, J; Filipovic, I; Sun, D; Crona-Guterstam, Y; Cornillet, M; Ponzetta, A; Michaelsson, J; Gidloef, S; Ivarsson, MA; Strunz, B; Bjoerkstroem, NK	38579017	10.1126/sciimmunol.adj7168
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/38409190	2024	Nature communications	16,6	Intestinal stroma guides monocyte differentiation to macrophages through GM-CSF	Kvedaraite, E; Lourda, M; Mouratidou, N; Duking, T; Padhi, A; Moll, K; Czarnewski, P; Sinha, I; Xagoraris, I; Kokkinou, E; [...]; Henter, JI; Svensson, M	38409190	10.1038/s41467-024-46076-3
Immunology	http://www.ncbi.nlm.nih.gov/pubmed/38211584	2024	Cell host & microbe	30,3	Memory T cells effectively recognize the SARS-CoV-2 hypermutated BA.2.86 variant	Muller, TR; Gao, Y; Wu, JH; Ribeiro, O; Chen, PR; Bergman, P; Blennow, O; Hansson, L; Mielke, S; Nowak, P; [...]; Aleman, S; Buggert, M	38211584	10.1016/j.chom.2023.12.010

Medicinal Chemistry	http://www.ncbi.nlm.nih.gov/pubmed/30442810	2018	Science	56,9	Small-molecule inhibitor of OGG1 suppresses proinflammatory gene expression and inflammation	Visnes, T; Cazares-Korner, A; Hao, WJ; Wallner, O; Masuyer, G; Loseva, O; Mortusewicz, O; Wiita, E; Sarno, A; Manoilov, A; [...]; Boldogh, I; Helleday, T	30442810	10.1126/science.aar8048
Medicinal Chemistry	http://www.ncbi.nlm.nih.gov/pubmed/33328633	2020	Nature	64,8	Small-molecule inhibitors of human mitochondrial DNA transcription	Bonekamp, NA; Peter, B; Hillen, HS; Felser, A; Bergbrede, T; Choidas, A; Horn, M; Unger, A; Di Lucrezia, R; Atanassov, I; [...]; Gustafsson, CM; Larsson, NG	33328633	10.1038/s41586-020-03048-z
Medicinal chemistry	https://pubmed.ncbi.nlm.nih.gov/35228749/	2022	Nature cancer	23,5	Pharmacological targeting of MTHFD2 suppresses acute myeloid leukemia by inducing thymidine depletion and replication stress	Bonagas N, Gustafsson NMS, Henriksson M, Marttila P, Gustafsson R, Wiita E, Borhade S, Green AC, Vallin K, Sarno A, Svensson R, Göktürk C, Pham T, Jemth A-S, Loseva O, Cookson V, Kiweler N, Sandberg L, Rasti A, Unterlass JE, Haraldsson M, Andersson Y, Scaletti ER, Bengtsson C, Paulin CBJ, Sanjiv K, Abdurakhmanov E, Pudelko L, Kunz B, Desroses M, Iliev P, Färnegårdh K, Krämer A, Garg N, Michel M, Sahlberg SH, Jarvius M, Kalderén C, Bögedahl Jensen A, Almlöf I, Karsten S, Zhang SM, Häggblad M, Eriksson A, Liu J, Glinghammar B, Nekhotiaeva N, Klingegård F, Koolmeister T, Martens U, Llona-Minguez S, Moulson R, Nordström H, Parrow V, Dahllund L, Sjöberg B, Vargas IL, Vo DD, Wannberg J, Knapp S, Krokan HE, Arvidsson PI, Scobie M, Meiser J, Stenmark P, Warpman Berglund U, Homan EJ, Helleday T	35228749	10.1038/s43018-022-00331-y
Medicinal Chemistry	https://pubmed.ncbi.nlm.nih.gov/35737787/	2022	Science	56,9	Small molecule activation of OGG1 increases base excision repair by gaining a new enzymatic function.	Michel M#, Benitez-Buelga C, Calvo PA, Hanna BMF, Mortusewicz O, Masuyer G, Davies J, Wallner O, Sanjiv K, Castañeda-Zegarra S, Jemth AS, Visnes T, Sastre-Perona A, Albers JJ, Danda AN, Homan EJ, Marimuthu K, Zhenjun Z, Chi CN, Sarno A, Wiita E, von Nicolai C, Komor A, Rajagopal V, Müller S, Hank EC, Varga M, Scaletti ER, Pandey M, Karsten S, Haslene-Hox H, Loevenich S, Marttila P, Rasti A, Mamonov K, Ortis F, Schömberg F, Loseva O, Stewart J, D'Arcy-Evans N, Koolmeister T, Henriksson M, Michel D, de Ory A, Acero L, Calvete O, Scobie M, Hertweck C, Vilotijevic I, Kalderén C, Osorio A, Perona R, Stolz A, Stenmark P, Warpman Berglund U, de Vega M, Helleday T#.	35737787	10.1126/science.abf8980
Medicinal Chemistry	https://pubmed.ncbi.nlm.nih.gov/37710073/	2023	Nat chem biol	14,8	NO-ferroheme is a signaling entity in the vasculature	Kleschyov AL, Zhuge Z, Schiffer TA, Guimarães DD, Zhang G, Montenegro MF , Tesse A, Weitzberg E, Carlström & Lundberg JO	37710073	10.1038/s41589-023-01411-5
Microbiology	https://pubmed.ncbi.nlm.nih.gov/30139996/	2018	Nature communications	16,6	Factor H binding proteins protect division septa on encapsulated Streptococcus pneumoniae against complement C3b deposition and amplification	Pathak A , Bergstrand J, Sender V, Spelmink L, Aschtgen MS , Muschiol S, Widengren J & Henriques-Normark B	30139996	10.1038/s41467-018-05494-w
Microbiology	http://www.ncbi.nlm.nih.gov/pubmed/31341063	2019	Science translational medicine	17,1	The gut microbiota influences skeletal muscle mass and function in mice	Lahiri, S; Kim, H; Garcia-Perez, I; Reza, MM; Martin, KA; Kundu, P; Cox, LM; Selkrig, J; Posma, JM; Zhang, HB; [...]; Wahli, W; Pettersson, S	31341063	10.1126/scitranslmed.aan5662
Microbiology	http://www.ncbi.nlm.nih.gov/pubmed/32968075	2020	Nature communications	16,6	Massive and rapid COVID-19 testing is feasible by extraction-free SARS-CoV-2 RT-PCR	Smyrlaki, I; Ekman, M; Lentini, A; de Sousa, NR; Papanicolaou, N; Vondracek, M; Aarum, J; Safari, H; Muradrasoli, S; Rothfuchs, AG; Albert, J; Hogberg, B; Reinius, B	32968075	10.1038/s41467-020-18611-5
Microbiology	https://pubmed.ncbi.nlm.nih.gov/36244347/	2022	Lancet infectious diseases	36,4	Omicron sublineage BA.2.75.2 exhibits extensive escape from neutralising antibodies	Sheward DJ, Kim C, Fischbach J, Sato K, Muschiol S, Ehling RA, NK Björkström, GB Karlsson Hedestam, Reddy ST, Albert J, Peacock TP, Murrell B	36244347	10.1016/S1473-3099(22)00663-6
Microbiology	http://www.ncbi.nlm.nih.gov/pubmed/38548922	2024	Nature microbiology	28,3	Crimean-Congo haemorrhagic fever virus uses LDLR to bind and enter host cells	Monteil, VM; Wright, SC; Dyczynski, M; Kellner, MJ; Appelberg, S; Platzer, SW; Ibrahim, A; Kwon, H; Pittarokoilis, I; Mirandola, M; [...]; Penninger, JM; Mirazimi, A	38548922	10.1038/s41564-024-01672-3
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/29342142	2018	Nature	64,8	Midbrain circuits that set locomotor speed and gait selection	Caggiano, V; Leiras, R; Goni-Erro, H; Masini, D; Bellardita, C; Bouvier, J; Caldeira, V; Fisone, G; Kiehn, O	29342142	10.1038/nature25448
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/30377364	2018	Nature methods	48	Spatial organization of the somatosensory cortex revealed by osmFISH	Codeluppi, S; Borm, LE; Zeisel, A; La Manno, G; van Lunteren, JA; Svensson, CI; Linnarsson, S	30377364	10.1038/s41592-018-0175-z
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/29502968	2018	Cell	64,5	Reducing Pericyte-Derived Scarring Promotes Recovery after Spinal Cord Injury	Dias, DO; Kim, H; Holl, D; Solnestam, BW; Lundeberg, J; Carlen, M; Goritz, C; Frisen, J	29502968	10.1016/j.cell.2018.02.004
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/29203898	2018	Nature neuroscience	25	An interactive framework for whole-brain maps at cellular resolution	Furth, D; Vaissiere, T; Tzortzi, O; Xuan, Y; Martin, A; Lazaridis, I; Spigolon, G; Fisone, G; Tomer, R; Deisseroth, K; Carlen, M; Miller, CA; Rumbaugh, G; Meletis, K	29203898	10.1038/s41593-017-0027-7
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/29686262	2018	Nature neuroscience	25	Neuronal atlas of the dorsal horn defines its architecture and links sensory input to transcriptional cell types	Haring, M; Zeisel, A; Hochgerner, H; Rinwa, P; Jakobsson, JET; Lonnerberg, P; La Manno, G; Sharma, N; Borgius, L; Kiehn, O; Lagerstrom, MC; Linnarsson, S; Ernfors, P	29686262	10.1038/s41593-018-0141-1
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/29335606	2018	Nature neuroscience	25	Conserved properties of dentate gyrus neurogenesis across postnatal development revealed by single-cell RNA sequencing	Hochgerner, H; Zeisel, A; Lobnnerberg, P; Linnarsson, S	29335606	10.1038/s41593-017-0056-2
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/29785013	2018	Nature genetics	30,8	Genetic identification of brain cell types underlying schizophrenia	Skene, NG; Bryois, J; Bakken, TE; Breen, G; Crowley, JJ; Gaspar, HA; Giusti-Rodriguez, P; Hodge, RD; Miller, JA; Munoz-Manchado, AB; [...]; Sullivan, PF; Hjerling-Leffler, J; Psychiat Genomics Consortium	29785013	10.1038/s41588-018-0129-5
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/29443965	2018	Nature	64,8	A molecular atlas of cell types and zonation in the brain vasculature	Vanlandewijck, M; He, LQ; Mae, MAA; Andrae, J; Ando, K; Del Gaudio, F; Nahar, K; Lebouvier, T; Lavina, B; Gouveia, L; [...]; Lendahl, U; Betsholtz, C	29443965	10.1038/nature25739
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/30096314	2018	Cell	64,5	Molecular Architecture of the Mouse Nervous System	Zeisel, A; Hochgerner, H; Lonnerberg, P; Johnsson, A; Memic, F; van der Zwan, J; Haring, M; Braun, E; Borm, LE; La Manno, G; [...]; Marklund, U; Linnarsson, S	30096314	10.1016/j.cell.2018.06.021
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/31416963	2019	Science	56,9	Specialized cutaneous Schwann cells initiate pain sensation	Abdo, H; Calvo-Enrique, L; Lopez, JM; Song, JR; Zhang, MD; Usoskin, D; El Manira, A; Adameyko, I; Hjerling-Leffler, J; Ernfors, P	31416963	10.1126/science.aax6452
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/30886408	2019	Nature neuroscience	25	A whole-brain atlas of monosynaptic input targeting four different cell types in the medial prefrontal cortex of the mouse	Ahrlund-Richter, S; Xuan, Y; van Lunteren, JA; Kim, H; Ortiz, C; Dorocic, IP; Meletis, K; Carlen, M	30886408	10.1038/s41593-019-0354-y
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/30223011	2019	Brain, behavior, and immunity	15,1	Brain glial activation in fibromyalgia - A multi-site positron emission tomography investigation	Albrecht, DS; Forsberg, A; Sandstrom, A; Bergan, C; Kadetoff, D; Protsenko, E; Lampa, J; Lee, YC; Hoglund, CO; Catana, C; [...]; Kosek, E; Loggia, ML	30223011	10.1016/j.bbi.2018.09.018
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/30747918	2019	Nature	64,8	Altered human oligodendrocyte heterogeneity in multiple sclerosis	Jakel, S; Agirre, E; Falcao, AM; Van Bruggen, D; Lee, KW; Knuesel, I; Malhotra, D; Ffrench-Constant, C; Williams, A; Castelo-Branco, G	30747918	10.1038/s41586-019-0903-2
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/30718903	2019	Nature neuroscience	25	Increased synapse elimination by microglia in schizophrenia patient-derived models of synaptic pruning	Sellgren, CM; Gracias, J; Watmuff, B; Biag, JD; Thanos, JM; Whittredge, PB; Fu, T; Worringer, K; Brown, HE; Wang, J; Kaykas, A; Karmacharya, R; Goold, CP; Sheridan, SD; Perlis, RH	30718903	10.1038/s41593-018-0334-7
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/31171666	2019	Science	56,9	Spatiotemporal structure of cell fate decisions in murine neural crest	Soldatov, R; Kaucka, M; Kastriti, ME; Petersen, J; Chontorotzea, T; Englmaier, L; Akkuratova, N; Yang, YS; Haring, M; Dyachuk, V; [...]; Kharchenko, PV; Adameyko, I	31171666	10.1126/science.aas9536

Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/30718509	2019	Nature communications	16,6	Single-cell RNA sequencing reveals midbrain dopamine neuron diversity emerging during mouse brain development	Tiklova, K; Bjorklund, AK; Lahti, L; Fiorenzano, A; Nolbrant, S; Gillberg, L; Volakakis, N; Yokota, C; Hilscher, MM; Hauling, T; Holmstrom, F; Joodmardi, E; Nilsson, M; Parmar, M; Perlmann, T	30718509	10.1038/s41467-019-08453-1
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/30675058	2019	Nature	64,8	Dynamics of oligodendrocyte generation in multiple sclerosis	Yeung, MSY; Djelloul, M; Steiner, E; Bernard, S; Salehpour, M; Possnert, G; Brundin, L; Frisen, J	30675058	10.1038/s41586-018-0842-3
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/32341526	2020	Nature genetics	30,8	Genetic identification of cell types underlying brain complex traits yields insights into the etiology of Parkinson's disease	Bryois, J; Skene, NG; Hansen, TF; Kogelman, LJA; Watson, HJ; Liu, ZJ; Brueggeman, LO; Breen, EOM; Bulik, A; Arenas, EN; Hjerling, ELE; Sullivan, PR; Psychiat Genomics Consortium; Int Headache Genetics Consortium; 23andMe Res Team	32341526	10.1038/s41588-020-0610-9
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/32139519	2020	Science	56,9	An atlas of the protein-coding genes in the human, pig, and mouse brain	Sjostedt, E; Zhong, W; Fagerberg, L; Karlsson, M; Mitsios, N; Adori, C; Oksvold, P; Edfors, F; Limiszewska, A; Hikmet, F; [...]; Uhlen, M; Mulder, J	32139519	10.1126/science.aay5947
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/34535655	2021	Nature communications	16,6	Pericyte-derived fibrotic scarring is conserved across diverse central nervous system lesions	Dias, DO; Kalkitsas, J; Kelahmetoglu, Y; Estrada, CP; Tatarishvili, J; Holl, D; Jansson, L; Banitalebi, S; Amiry-Moghaddam, M; Ernst, A; [...]; Frisen, J; Goritz, C	34535655	10.1038/s41467-021-25585-5
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/33686078	2021	Nature communications	16,6	Single cell transcriptomics of primate sensory neurons identifies cell types associated with chronic pain	Kupari, J; Usoskin, D; Parisien, M; Lou, DH; Hu, YZ; Fatt, M; Lonnerberg, P; Spangberg, M; Eriksson, B; Barkas, N; Kharchenko, PV; Lore, K; Khoury, S; Diatchenko, L; Ernfors, P	33686078	10.1038/s41467-021-21725-z
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/34321664	2021	Nature	64,8	Molecular architecture of the developing mouse brain	La Manno, G; Siletti, K; Furlan, A; Gyllborg, D; Vinsland, E; Albiach, AM; Langseth, CM; Khven, I; Lederer, AR; Dratva, LM; Johnsson, A; Nilsson, M; Lonnerberg, P; Linnarsson, S	34321664	10.1038/s41586-021-03775-x
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/33288908	2021	Nature neuroscience	25	Diversification of molecularly defined myenteric neuron classes revealed by single-cell RNA sequencing	Morarach, K; Mikhailova, A; Knoflach, V; Memic, F; Kumar, R; Li, W; Ernfors, P; Marklund, U	33288908	10.1038/s41593-020-00736-x
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/37349481	2023	Nature neuroscience	25	Esr1+ hypothalamic-habenula neurons shape aversive states	Calvigioni, D; Fuzik, J; Le Merre, P; Slashcheva, M; Jung, F; Ortiz, C; Lentini, A; Csillag, V; Graziano, M; Nikolakopoulou, I; [...]; CarlTn, M; Meletis, K	37349481	10.1038/s41593-023-01367-8
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/37474808	2023	Nature methods	48	Voltage-Seq: all-optical postsynaptic connectome-guided single-cell transcriptomics	Csillag, V; Bizzozzero, MH; Noble, JC; Reinius, B; Fuzik, J	37474808	10.1038/s41592-023-01965-1
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/37824663	2023	Science	56,9	Transcriptomic diversity of cell types across the adult human brain	Siletti, K; Hodge, R; Albiach, AM; Lee, KW; Ding, SL; Hu, LJ; Lonnerberg, P; Bakken, T; Casper, T; Clark, M; [...]; Lein, ES; Linnarsson, S	37824663	10.1126/science.add7046
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/38195627	2024	Nature communications	16,6	The aging mouse CNS is protected by an autophagy-dependent microglia population promoted by IL-34	Berglund, R; Cheng, YF; Piket, E; Adzemovic, MZ; Zeitelhofer, M; Olsson, T; Guerreiro-Cacais, AO; Jagodic, M	38195627	10.1038/s41467-023-44556-6
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/38347200	2024	Nature neuroscience	25	Basal ganglia-spinal cord pathway that commands locomotor gait asymmetries in mice	Cregg, JM; Sidhu, SK; Leiras, R; Kiehn, O	38347200	10.1038/s41593-024-01569-8
Neurosciences	https://pubmed.ncbi.nlm.nih.gov/38513664/	2024	Cell	64,5	Cellular architecture of evolving neuroinflammatory lesions and multiple sclerosis pathology	Kukanja, P; Langseth, CM; Rodriguez-Kirby, LAR; Agirre, E; Zheng, C; Raman, A; Yokota, C; Avenel, C; Tiklova, K; Guerreiro-Cacais, AO; Olsson, T; Hilscher, MM; Nilsson, M; Castelo-Branco, G	38513664	10.1016/j.cell.2024.02.030
Neurosciences	https://pubmed.ncbi.nlm.nih.gov/38693260/	2024	Nature	64,8	Chromatin accessibility during human first-trimester neurodevelopment	Mannens, CCA; Hu, LJ; Lonnerberg, P; Schipper, M; Reagor, CC; Li, XF; He, XL; Barker, RA; Sundstrom, E; Posthuma, D; Linnarsson, S	38693260	10.1038/s41586-024-07234-1
Neurosciences	http://www.ncbi.nlm.nih.gov/pubmed/37919423	2024	Nature neuroscience	25	Molecular blueprints for spinal circuit modules controlling locomotor speed in zebrafish	Pallucchi, I; Bertuzzi, M; Madrid, D; Fontanel, P; Higashijima, S; El Manira, A	37919423	10.1038/s41593-023-01479-1
Pharmacology & Pharmacy	http://www.ncbi.nlm.nih.gov/pubmed/29295927	2018	Proceedings of the National Aca	11,1	Novel concept of the smart NIR-light-controlled drug release of black phosphorus nanostructure for cancer therapy	Qiu, M; Wang, D; Liang, WY; Liu, LP; Zhang, Y; Chen, X; Sang, DK; Xing, CY; Li, ZJ; Dong, BQ; Xing, F; Fan, DY; Bao, SY; Zhang, H; Cao, YH	29295927	10.1073/pnas.1714421115
Pharmacology & Pharmacy	http://www.ncbi.nlm.nih.gov/pubmed/29444979	2018	Science translational medicine	17,1	Irreversible inhibition of cytosolic thioredoxin reductase 1 as a mechanistic basis for anticancer therapy	Stafford, WC; Peng, XX; Olofsson, MH; Zhang, XN; Luci, DK; Lu, L; Cheng, Q; Tresaugues, L; Dexheimer, TS; Coussens, NP; [...]; Linder, S; Arner, ESJ	29444979	10.1126/scitranslmed.aaf7444
Pharmacology & Pharmacy	http://www.ncbi.nlm.nih.gov/pubmed/32267667	2020	ACS nano	17,1	Big Is Beautiful: Enhanced saRNA Delivery and Immunogenicity by a Higher Molecular Weight, Bioreducible, Cationic Polymer	Blakney, AK; Zhu, YQ; McKay, PF; Bouton, CR; Yeow, J; Tang, JQ; Hu, K; Samnuan, K; Grigsby, CL; Shattock, RJ; Stevens, MM	32267667	10.1021/acsnano.0c00326
Pharmacology & Pharmacy	http://www.ncbi.nlm.nih.gov/pubmed/32284997	2020	Science advances	13,6	Eradication of tumor growth by delivering novel photothermal selenium-coated tellurium nanoheterojunctions	Chen, SY; Xing, CY; Huang, DZ; Zhou, CH; Ding, B; Guo, ZH; Peng, ZC; Wang, D; Zhu, X; Liu, SZ; [...]; Zhang, H; Cao, YH	32284997	10.1126/sciadv.aay6825
Pharmacology & Pharmacy	http://www.ncbi.nlm.nih.gov/pubmed/33932867	2021	Redox biology	11,4	Nicotinamide provides neuroprotection in glaucoma by protecting against mitochondrial and metabolic dysfunction	Tribble, JR; Otmani, A; Sun, SS; Ellis, SA; Cimaglia, G; Vohra, R; Joe, M; Lardner, E; Venkataraman, AP; Dominguez-Vicent, A; [...]; Votruba, M; Williams, PA	33932867	10.1016/j.redox.2021.101988
Physiology	http://www.ncbi.nlm.nih.gov/pubmed/29414686	2018	Cell metabolism	29	Kynurenic Acid and Gpr35 Regulate Adipose Tissue Energy Homeostasis and Inflammation	Agudelo, LZ; Ferreira, DMS; Cervenka, I; Bryzgalova, G; Dadvar, S; Jannig, PR; Pettersson-Klein, AT; Lakshmikanth, T; Sustarsic, EG; Porsmyr-Palmertz, M; [...]; Berggren, PO; Ruas, JL	29414686	10.1016/j.cmet.2018.01.004
Physiology	http://www.ncbi.nlm.nih.gov/pubmed/31980607	2020	Nature communications	16,6	Transcriptomic profiling of skeletal muscle adaptations to exercise and inactivity	Pillon, NJ; Gabriel, BM; Dollet, L; Smith, JAB; Puig, LS; Botella, J; Bishop, DJ; Krook, A; Zierath, JR	31980607	10.1038/s41467-019-13869-w
Physiology	https://pubmed.ncbi.nlm.nih.gov/37689069/	2023	Cell metabolism	29	Seasonal light hours modulate peripheral clocks and energy metabolism in mice	Small, L; Lundell, LS; Iversen, J; Ehrlich, AM; Dall, M; Basse, AL; Dalbram, E; Hansen, AN; Treebak, JT; Barres, R; Zierath, JR	37689069	10.1016/j.cmet.2023.08.005
Physiology	http://www.ncbi.nlm.nih.gov/pubmed/38330107	2024	Science	56,9	Corpora cavernosa fibroblasts mediate penile erection	Guimaraes, EL; Dias, DO; Hau, WF; Julien, A; Holl, D; Garcia-Collado, M;	38330107	10.1126/science.ade8064
Toxicology	https://pubmed.ncbi.nlm.nih.gov/30559212/	2018	PNAS	11,1	AMP-activated protein kinase activation and NADPH oxidase inhibition by inorganic nitrate and nitrite prevent liver steatosis	Cordero-Herrera I, Kozyra M, Zhuge Z, McCann Haworth S, Moretti C, Peleli M, Caldeira-Dias M, Jahandideh A, Huirong H, Cruz JC, Kleschyov AL, Montenegro MF, Ingelman-Sundberg M, Weitzberg E, Lundberg JO, Carlstrom M.	30559212	10.1073/pnas.1809406115
Toxicology	Graphene Oxide Elicits Membrane Lipid Changes and N	2018	Chem	19,1	Graphene Oxide Elicits Membrane Lipid Changes and Neutrophil Extracellular Trap Formation	Mukherjee SP; Lazzaretto B; Hultenby K; Newman L; Rodrigues AF; Lozano N; Kostarelos K; Malmberg P; Fadeel B		10.1016/j.chempr.2017.12.017
Toxicology	https://pubmed.ncbi.nlm.nih.gov/33318199/	2020	PNAS	11,1	Machine-learning-driven biomarker discovery for the discrimination between allergic and irritant contact dermatitis	Fortino V, Wisgrill L, Werner P, Suomela S, Linder N, Jalonen E, Suomalainen A, Marwah V, Kero M, Pesonen M, Lundin J, Lauerma A, Aalto-Korte K, Greco D, Alenius H, Fyhrquist N	33318199	0.1073/pnas.2009192117
Toxicology	Tuning the transformation and cellular signaling of 2D tita	2023	Matter	18,9	Tuning the transformation and cellular signaling of 2D titanium carbide MXenes using a natural	Malina T; Hamawandi B; Toprak MS; Chen L; Bjork J; Zhou J; Rosen J;		10.1016/j.matt.2023.10.026