

Services:

2019	Processing	Custody
Projects/Clinic Trials	17	8
Nº of cases	1.133	103
Aliquot	4.275	103

Requests:

2019	Queries	Sample requests	Cases transferred
Internal	38	26	1.959
RNB	65	3	80
Other	6	5	45
TOTAL	109	34	2.084

Scientific publications with samples transferred from Biobanc HUB-ICO-IDIBELL:

YKL40 in sporadic amyotrophic lateral sclerosis: cerebrospinal fluid levels as a prognosis marker of disease progression. Andrés-Benito P, et al. 2018 Sep 13;10(9):2367-2382. doi: 10.18632/aging.101551	5,543
Cells in the adult human spinal cord ependymal region do not proliferate after injury. Paniagua-Torija B, et al. The Journal of Pathology. 2019 Sept 08; vol 246: 4. doi: 10.1002/path.5151.	6,253
Telomere length alterations in microsatellite stable colorectal cancer and association with the immune response. Lopez-Doriga A, et al. BBA-Molecular Basis of Disease. 2018 Sep; 1864: 2992-3000. doi: 10.1016/j.bbadis.2018.06.010.	4,328
Regional vulnerability to lipoxidative damage and inflammation in normal human brain aging. Domínguez-González M, et al. Exp Gerontol. 2018 Oct 1;111:218-228. doi: 10.1016/j.exger.2018.07.023	3,597
Colon-specific eQTL analysis to inform on functional SNPs. Moreno V, et al. Br J Cancer. 2018 Oct;119(8):971-977. doi: 10.1038/s41416-018-0018-9	5,925
Purine-related metabolites and their converting enzymes are altered in frontal, parietal and temporal cortex at early stages of Alzheimer's disease pathology. Alonso-Andrés P, et al. Brain Pathol. 2018 Nov;28(6):933-946. doi: 10.1111/bpa.12592	6,155

Aging-related tau astroglipathy (ARTAG): not only tau phosphorylation in astrocytes. Ferrer I, et al. Brain Pathol. 2018 Nov;28(6):965-985. doi: 10.1111/bpa.12593	6,155
proBDNF is modified by advanced glycation end products in Alzheimer's disease and causes neuronal apoptosis by inducing p75 neurotrophin receptor processing. Fleitas C, et al. Mol Brain. 2018 Nov 14;11(1):68. doi: 10.1186/s13041-018-0411-6	4,159
CMV-specific Cell-mediated Immunity at 3-month Prophylaxis Withdrawal Discriminates D+/R+ Kidney Transplants at Risk of Late-onset CMV Infection Regardless the Type of Induction Therapy. Jarque M, et al. Transplantation. 2018 Nov;102(11):e472-e480. doi: 10.1097/TP.0000000000002421	4,593
A multicolour HLA-specific B-cell FluoroSpot assay to functionally track circulating HLA-specific memory B cells. Luque S, et al. J Immunol Methods. 2018 Nov;462:23-33. doi: 10.1016/j.jim.2018.07.011	1,913
Colorectal cancer, sun exposure and dietary vitamin D and calcium intake in the MCC-Spain study. Vallès X, et al. Environ Int. 2018 Dec;121(Pt 1):428-434. doi: 10.1016/j.envint.2018.09.030.	7,943
Discovery of common and rare genetic risk variants for colorectal cancer. Huyghe JR, et al. Nat Genet. 2019 Jan;51(1):76-87. doi: 10.1038/s41588-018-0286-6	31,077
Nuclear localization and phosphorylation modulate pathological effects of alpha-synuclein. Pinho R, et al. Hum Mol Genet. 2019 Jan 1;28(1):31-50. doi: 10.1093/hmg/ddy326	5,281
Papel del factor de transcripción ATF5 en la Enfermedad de Huntington. Tesis Doctoral. Autor: Hernández-Hernández I. Universidad Autónoma de Madrid. 2019 Ene 30. URI: http://hdl.handle.net/10486/686794 .	-
Unveiling the olfactory proteostatic disarrangement in Parkinson's disease by proteome-wide profiling. Lachén-Montes M, et al. Neurobiol Aging. 2019 Jan;73:123-134. doi: 10.1016/j.neurobiolaging.2018.09.018.	4,398
Value of monitoring circulating donor-reactive memory B cells to characterize antibody-mediated rejection after kidney transplantation. Luque S, et al. Am J Transplant. 2019 Feb;19(2):368-380. doi: 10.1111/ajt.15055	7,163
Wnt Signaling Alterations in the Human Spinal Cord of Amyotrophic Lateral Sclerosis Cases: Spotlight on Fz2 and Wnt5a. González-Fernández C, et al. Mol Neurobiol. 2019 Mar 28. doi: 10.1007/s12035-019-1547-9	4,586
Erratum: Combining Sensitive Crossmatch Assays With Donor/Recipient Human Leukocyte Antigen Eplet Matching Predicts Living-Donor Kidney Transplant Outcome. Meneghini M, et al. Kidney Int Rep. 2019 Mar 4;4(4):634. doi: 10.1016/j.ekir.2019.02.019	2,262
Neuroinflammation in the dorsolateral prefrontal cortex in elderly chronic schizophrenia. López-González I, et al. Eur Neuropsychopharmacol. 2019 Mar;29(3):384-396. doi: 10.1016/j.euroneuro.2018.12.011	4,468
PDGFR-induced autocrine SDF-1 signaling in cancer cells promotes metastasis in advanced skin carcinoma. Bernat-Peguera A, et al. Oncogene. 2019 Mar 15; 38: 5021-5037. doi: 10.1038/s41388-019-0773-y.	6,634
Combined Transcriptomics and Proteomics in Frontal Cortex Area 8 in Frontotemporal Lobar Degeneration Linked to C9ORF72 Expansion. Andrés-Benito P, et al. J Alzheimers Dis. 2019;68(3):1287-1307. doi: 10.3233/JAD-181123	3,517
Clinicopathological Evaluation of PD1/PD-L1 Axis in Post-Transplant Lymphoproliferative Disorders: Association with EBV,PD-L1 Copy Number	3,453

Alterations and Outcome. Veloza, L, et al. (2019). Histopathology. doi:10.1111/his.13857	
Altered Dynein Axonemal Assembly Factor 1 Expression in C-Boutons in Bulbar and Spinal Cord Motor-Neurons in Sporadic Amyotrophic Lateral Sclerosis. Andrés-Benito P, et al. J Neuropathol Exp Neurol. 2019 May 1;78(5):416-425. doi: 10.1093/jnen/nlz019	3,818
Involvement of Oligodendrocytes in Tau Seeding and Spreading in Tauopathies. Ferrer I, et al. Front Aging Neurosci. 2019 May 28;11:112. doi: 10.3389/fnagi.2019.00112	3,633
The olfactory bulb proteotype differs across frontotemporal dementia spectrum. Lachén-Montes M, et al. J Proteomics. 2019 Jun 15;201:37-47. doi: 10.1016/j.jprot.2019.04.011	3,537
Preprint: Nuclear lipidome is altered in amyotrophic lateral sclerosis: a preliminar study. Ramírez-Nuñez O, et al. bioRxiv preprint server for biology. 2019 Jun 26. doi: 10.1101/682526.	-
Plasma total prion protein as a potential biomarker for neurodegenerative dementia: diagnostic accuracy in the spectrum of prion diseases. Llorens F, et al. Neuropathol Appl Neurobiol. 2019 Jun 19. doi: 10.1111/nan.12573.	6,878
Early-Onset Molecular Derangements in the Olfactory Bulb of Tg2576 Mice: Novel Insights Into the Stress-Responsive Olfactory Kinase Dynamics in Alzheimer's Disease. Lachen-Montes M, et al. Front Aging Neurosci. 2019 Jun 11;11:141. doi: 10.3389/fnagi.2019.00141.	3,633
Different impact of rATG induction on CMV infection risk in D+R- and R+ KTRs. Kaminski H, et al. J Infect Dis. 2019 Jul 31;220(5):761-771. doi: 10.1093/infdis/jiz194.	5,231
Elevated levels of Secreted-Frizzled-Related-Protein 1 contribute to Alzheimer's disease pathogenesis. Esteve P, et al. Nature Neuroscience. 2019 Jul 15; 22: 1258-1268. doi: 10.1038/s41593-019-0432-1.	21,126
A soluble truncated tau species related to cognitive dysfunction and caspase-2 is elevated in the brain of Huntington's disease patients. Peng L, et al. Acta Neuropathologica Communications. 2019 Jul 30; 7: 111. doi: 10.1186/s40478-019-0764-9.	-
CSF neurogranin as a neuronal damage marker in CJD: a comparative study with AD. Blennow K, et al. J Neurol Neurosurg Psychiatry. 2019 Aug;90(8):846-853. doi: 10.1136/jnnp-2018-320155	8,272
MUT, Jose Vicente SACHEZ, et al. Methods of diagnosis alzheimer's disease. U.S. Patent Application No 16/318,651, 2019.	-
Relevance of host tau in tau seeding and spreading in tauopathies. Ferrer I, et al. Brain Pathol. 2019 Aug 9. doi: 10.1111/bpa.12778	6,155
Deployment of Label-Free Quantitative Olfactory Proteomics to Detect Cerebrospinal Fluid Biomarker Candidates in Synucleinopathies. Lachén-Montes M, et al. Cerebrospinal Fluid (CSF) Proteomics. Methods in Molecular Biology, vol: 2044. Humana, NY. 2019 Ago 21. doi: 10.1007/978-1-4939-9706-0_17.	6,634

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