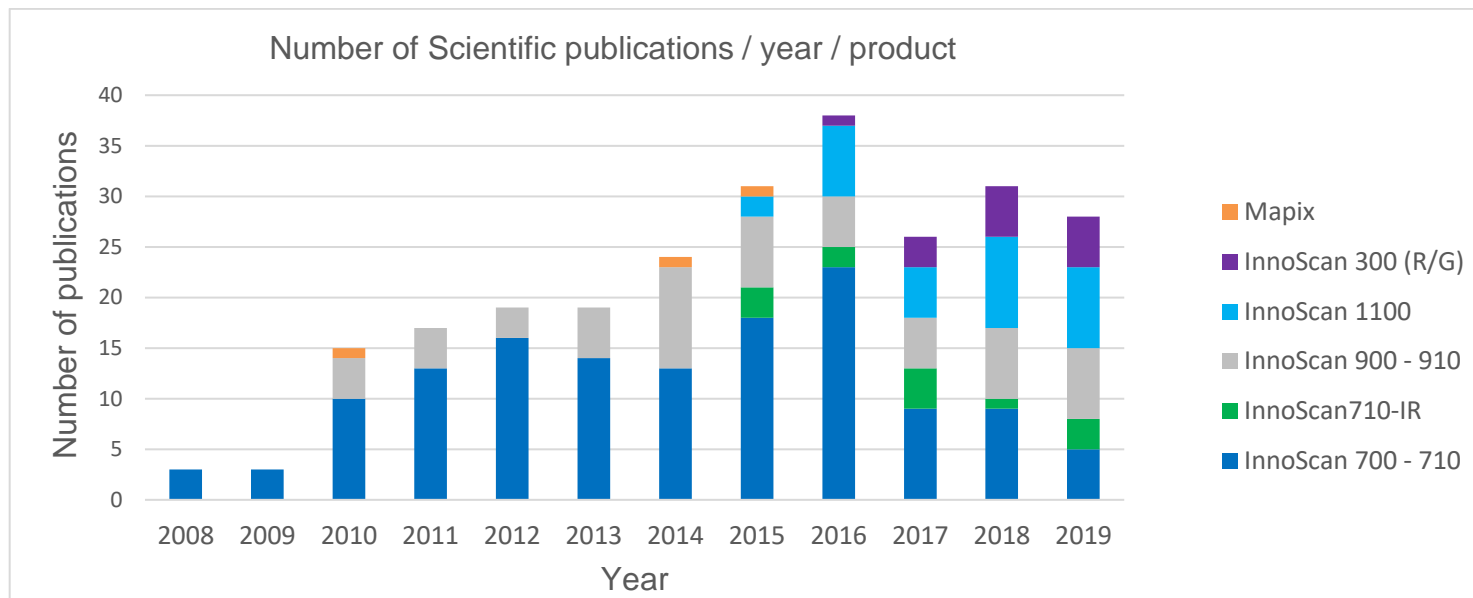


InnoScan® scanners Scientific Publications

More than 250 publications in peer reviewed journals



Scanner Model / Product	Number of publications
InnoScan 700 / 710	136
InnoScan 900 / 910	57
InnoScan 710-IR	13
InnoScan 1100	31
InnoScan 300 R / G	14
Mapix	3

InnoScan 710; InnoScan 700

Authors	Reference	Publication Title	Application	Country
Gryshkova V., <i>et al</i>	2019. J Cell Mol Med. 23:2251-2255	Phosphoprotein expression profiles in rat kidney injury: Source for potential mechanistic biomarkers	Protein arrays	Belgium
Sunderic M, <i>et al</i>	2019. The Protein Journal 38: 23-29	Changes due to ageing in the glycan structure of alpha-2-macroglobulin and its reactivity with ligands	Glycan microarrays	Slovak Republic
Jones A, <i>et al</i>	2019. Nature Communications	HIV-1 vaccination by needle free oral injection induces strong mucosal immunity and protects against SHIV challenge	Protein arrays	USA
Corachan A <i>et al</i>	2019. Fertility and Sterility 111: 397-407	Inhibition of tumor cell proliferation in human uterine leiomyomas by vitamin D via Wnt/b-catenin pathway	protein arrays / cytokines	Spain
Orynbayev MB, <i>et al</i>	2018. Archives of Virology. 163: 1949-1954	Genetic diversity of avian avulavirus 1 (Newcastle disease virus genotypes VIg and VIIf) circulating in wild birds in Kazakhstan	SNP arrays virology	Kazakhstan
Gligorijevic N, <i>et al</i>	2018. Thrombosis Research. 166: 43-49	Structural changes of fibrinogen as a consequence of cirrhosis	Glycan arrays lectin-based protein array	Slovak Republic
Anderson-Hanley C, <i>et al</i>	2018. Frontiers in Aging Neurosci. 10: 76	The aerobic and cognitive exercise study (ACES) for community-dwelling older adults with or at-risk for mild cognitive impairment (MCI): Neuropsychological, neurobiological and neuroimaging outcomes of a randomized clinical trial	Protein arrays	USA
Leonova E, <i>et al</i>	2018. Peer J. 6:e4609	Study of interaction of antimutagenic 1,4-dihydropyridine AV-153-Na with DNA-damaging molecules and its impact on DNA repair activity	DNA repair arrays	Latvia / France
Dell'edera D, <i>et al</i>	2018. J Medical Case Reports. 12: 90	16p11.2 microdeletion syndrome: a case report	aCGH	Italy
Sanjurjo L, <i>et al</i>	2018. Frontiers in Immunology. 9: 480	CD5L promotes M2 macrophage polarization through autophagy mediate upregulation of ID3	Gene expression	Spain
Gligorijevic N, <i>et al</i>	2018. J Biological Macromolecules. 108: 1028-1034	Structural and functional changes of fibrinogen due to aging	Glycan arrays	Slovak Republic
Shi L, <i>et al</i>	2018. J Applied Biomedicine. https://doi.org/10.1016/j.jab.2018.01.001	Quantification of uPA in breast tumour tissue extracts by microarray immunoassay: Comparison with ELISA technology	Protein arrays	France
Ranjbar R, <i>et al</i>	2017. The Open Microbiology J. 11: 330-338	DNA microarray for rapid detection and identification of food and water borne bacteria: from dry to wet lab	DNA microarrays pathogen screening	Iran
La Marca A, <i>et al</i>	2017. Fertility and Sterility.	Female age, serum antimüllerian hormone level, and number of oocytes	aCGH	Italy

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Authors	Reference	Publication Title	Application	Country
	108: 777-783.e2	affect the rate and number of euploid blastocysts in in vitro fertilization/intracytoplasmic sperm injection cycles		
Accogli G, <i>et al</i>	2017. <i>Animal</i> . 11: 1807-1815	Differential surface glycoprofile of buffalo bull spermatozoa during mating and non-mating periods	Glycan arrays / cell arrays	Slovak Republic
Chen HH, <i>et al</i>	2017. <i>PLoS One</i> . 12: e0185747	Optimal timing of blastocysts vitrification after trophectoderm biopsy for preimplantation genetic screening	aCGH	Taiwan
Belicky S, <i>et al</i>	2017. <i>Bioelectrochemistry</i> . 117:89-94	Label-free chronopotentiometric glycoprofiling of prostate specific antigen using sialic acid recognizing lectins	Glycan arrays	Slovak Republic
Paitier A, <i>et al</i>	2017. <i>Biosensors and Bioelectronics</i> . 92:357-363	Microbial fuel cell anodic microbial population dynamics during MFC start-up	Microbiology nanotechnology	France
Robajac D, <i>et al</i>	2017. <i>Int. J. Biological Macromolecules</i> . 102:431-437	Screening for the best detergent for the isolation of placental membrane proteins	Glycan arrays	Slovak Republic
Pedersen Elnegaard M, <i>et al</i>	2017. <i>Nanomedicine : Nanotech, Bio and Med</i> . 13(3):1229-1233	Nanomedicine: Nanotechnology, Biology and Medicine	RPPA	Denmark
Mizukami S, <i>et al</i>	2017. <i>Toxicology Lett</i> . 266:13-22	Identification of epigenetically downregulated Tmem70 and Ube2e2 in rat liver after 28-day treatment with hepatocarcinogenic thioacetamide showing gene product downregulation in hepatocellular preneoplastic and neoplastic lesions produced by tumor promotion	epigenetics CpG island microarrays	Japan
Pedersen Elnegaard M, <i>et al</i>	2017. <i>Nanomedicine</i> . 13(3):1229-1233	Protein-based nanotoxicology assessment strategy	RPPA	Denmark
Del Carmen Nogales M, <i>et al</i>	2017. <i>Fertility and Sterility</i> . 107(1):229-235.e2	Type of chromosome abnormality affects embryo morphology dynamics	aCGH	Spain
Ghevaria H, <i>et al</i>	2016. <i>Reprod Biomed Online</i> . 32(2):178-189	The origin and significance of additional aneuploidy events in couples undergoing preimplantation genetic diagnosis for translocations by array comparative genomic hybridization	aCGH	UK
Bæk R, <i>et al</i>	2016. <i>Transfusion and Apheresis Science</i> . 55(1): 44-52	Does smoking, age or gender affect the protein phenotype of extracellular vesicles in plasma?	protein arrays EV arrays	Denmark
Hyslop L. A, <i>et al</i>	2016. <i>Nature</i> . 534(7607): 383-386	Towards clinical application of pronuclear transfer to prevent mitochondrial DNA disease	aCGH	UK
Silambarasan M,	2016. <i>Int J Mol Sci</i> .	MicroRNAs in hyperglycemia induced endothelial cell dysfunction	miRNA	Singapore

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Authors	Reference	Publication Title	Application	Country
<i>et al</i>	17(4):518			
Nemcova L, <i>et al</i>	2016. Anim Reprod Sci. 166:58-71	Detection of genes associated with developmental competence of bovine oocytes	Gene expression animal reproduction	Czech Republic
Taleb H, <i>et al</i>	2016. Nutrition Research. 36(7): 636-647	Date syrup-derived polyphenols attenuate angiogenic responses and exhibits anti-inflammatory activity mediated by vascular endothelial growth factor and cyclooxygenase-2 expression in endothelial cells	Protein array ELISA-based array	UK
Gehlot P, <i>et al</i>	2016. RMD Open. 2(2)	Spontaneous destructive periodontitis and skeletal bone damage in transgenic mice carrying a human shared epitope-coding HLA-DRB1 allele	Protein arrays cytokine screening	USA
Cedillo L, <i>et al</i>	2016. Fertility Research and Practice. 2:13	A simple, less invasive stripper micropipetter-based technique for day 3 embryo biopsy	aCGH PGS	Mexico
Minasi MG, <i>et al</i>	2016. Human Reproduction. 31(10):2245-2254	Correlation between aneuploidy, standard morphology evaluation and morphokinetic development in 1730 biopsied blastocysts: a consecutive case series study	aCGH PGS/PDG	Italy
Baillon L, <i>et al</i>	2016. Science of The Total Environment	Gene transcription profiling in wild and laboratory-exposed eels: Effect of captivity and in situ chronic exposure to pollution	Gene expression Environmental toxicology	France
Libotte F, <i>et al</i>	2016. Taiwanese Journal of Obstetrics & Gynecology. 55(6):863-866	Pallister-Killian syndrome: Cytogenetics and molecular investigations of mosaic tetrasomy 12p prenatal chorionic villus and in amniocytes. Strategy of prenatal diagnosis	aCGH PGS	Italy
Damborsky P, <i>et al</i>	2016. Proteomics 16:3096-3104	Determining the binding affinities of prostate-specific antigen to lectins: SPR and microarray approaches	Glycan arrays	Slovak Republic
Fredonnet J, <i>et al</i>	2016. Microarrays 5:25 doi: 10.3399/microarrays5040025	Automated and multiplexed soft lithography for the production of low-density DNA microarrays	DNA arrays	France
Biola-Clier M, <i>et al</i>	2016. Mutagenesis ; 10.1093/mutage/gew055	Comparison of the DNA damage response in BEAS-2B and A549 cells exposed to titanium dioxide nanoparticles	DNA repair arrays / Gene expression	France
Vasseur P, <i>et al</i>	2016. Cell Rep. 16:2651-2665	Dynamics of nucleosome positioning maturation following genomic replication	ChIP microarrays / epigenetics	France
Shi L, <i>et al</i>	2016. Anal Bioanal Chem.	Anti-heat shock protein autoantibody profiling in breast cancer using	Protein arrays	France

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Authors	Reference	Publication Title	Application	Country
	408: 1497-1506	customized protein microarray		
Najmuddin, <i>et al</i>	2016. BMC Complementary and Alternative Medicine. 16-311	Anti-cancer effect of <i>Annona Muricata</i> Linn Leaves Crude Extract (AMCE) on breast cancer cell line	Protein arrays	Malasia
Baillon L, <i>et al</i>	2016. Environ Sci Pollut Res Int. 23(6) :5431-41	Detecting the exposure to Cd and PCBs by means of a non-invasive transcriptomic approach in laboratory and wild contaminated European eels (<i>Anguilla anguilla</i>)	Gene expression Environmental toxicology	France
Accogli G, <i>et al</i>	2016. Glycoconj J doi: 10.1007/s10719-016-9666-2	A lectin-based cell microarray approach to analyze the mammalian granulosa cell surface glycosylation profile	Glycan arrays	Slovak Republic
Sunderic M, <i>et al</i>	2016. Biotechnol Appl Biochem. 63: 457-464 doi: 10.1002/bab.1407	Lectin-based protein microarray analysis of differences in serum alpha-2-macroglobulin glycosylation between patients with colorectal cancer and persons without cancer	Glycan arrays Cancer research	Slovak Republic
Rodrigues R, <i>et al</i>	2016. J Clin Lipidol. 10(2):394-409	Pathogenic classification of LPL gene variants reported to be associated with LPL deficiency	SNP disease classification	Spain
Tambyah PA, <i>et al</i>	2016. Annals of Clinical Biochemistry. 53: 466-476	microRNA expression in blood of dengue patients	miRNA screening, pathogen diagnostic	Singapore
Kahraman S, <i>et al</i>	2016. J. Reproductive biotechnology & fertility. 5: 1-9	Probability of finding at least one euploid embryo and the euploidy rate according to the number of retrieved oocytes and female age using FISH and array CGH	aCGH	Turkey
Sauvaigo S, <i>et al</i>	2016. Toxicology Letters. 241:71-81	Impact of topical application of sulfur mustard on mice skin and distant organs DNA repair enzyme signature	DNA arrays DNA repair arrays	France
Baillon L, <i>et al</i>	2015. Chemosphere. 139:303-309	Gonadal transcriptome analysis of wild contaminated female European eels during artificial gonad maturation	Gene expression Environmental toxicology	France
Ramdeo A, <i>et al</i>	2015. South African Journal of Obstetrics and Gynaecology. 21(1):18-20	Live birth from a patient with a three-way balanced translocation t(5,8,12)	aCGH PGD	South Africa
Zanotti I, <i>et al</i>	2015. Appl Microbiol	Evidence for cholesterol-lowering activity by <i>Bifidobacterium bifidum</i>	Gene	Italy

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Authors	Reference	Publication Title	Application	Country
	Biotechnol. 99(16):6813-6829	PRL2010 Through gut microbiota modulation	expression	
Giordano M, <i>et al</i>	2015. BMC Medical Genetics. 16:74	A 5.8 Mb interstitial deletion on chromosome Wq21.1 in a boy with intellectual disability, cleft palate, hearing impairment and combined growth hormone deficiency	aCGH postnatal genetic screening	Italy
Giménez C, <i>et al</i>	2015. Reprod Bimed Online. 31(6):770-5	Karyomapping allows preimplantation genetic diagnosis of a de-novo deletion undetectable using conventional PDG technology	aCGH PDG	Spain/ UK
Chen YT, <i>et al</i>	2015. Genom Data. 5:59-60	MicroRNA expression profiles of human left ventricle derived cardiac cells in normoxic and hypoxic conditions	miRNA	Singapore
Sun Y, <i>et al</i>	2015. Journal of Immunology Research (2015), Article ID 284215	Mesenchymal Stem Cells from Patients with Rheumatoid Arthritis Display Impaired Function in Inhibiting Th17 Cells	protein arrays antibody arrays	China
Poli M, <i>et al</i>	2015. EMBO Mol Mec. 7 : 1466 -1479	Characterization and quantification of protein secreted by single human embryos prior to implantation	aCGH PDG/PGS	UK
Trigui H, <i>et al</i>	2015. Applied Environmental Microbiology. 81:918-928	A regulatory feedback loop between RpoS and SpoT supports the survival of Legionella pneumophila in water	Gene expression microbiology Cell biology	Canada
Zhou Y, <i>et al</i>	2015. Journal of Cardiovascular Pharmacology and Therapeutics	Discovery of potential therapeutic miRNA targets in cardiac ischemia reperfusion injury	miRNA screening	Singapore
Fragouli E, <i>et al</i>	2015. PLoS genetics. 11(6):e1005241	Altered levels of mitochondrial DNA are associated with female age, aneuploidy, and provide an independent measure of embryonic implantation potential	aCGH PGD/PGS	Italy
Leng L, <i>et al</i>	2015. Human Reproduction. 30(3):737-748	Differentiation of primordial germ cells from induced pluripotent stem cells of primary ovarian insufficiency	aCGH	China
Klukova L, <i>et al</i>	2015. Anal Chim Acta. 1:853:555-62	Glycoprofiling as a novel tool in serological assays of systemic sclerosis: a comparative study with three bioanalytical methods	Glycan arrays. Glycobiology	Slovak Republic
Bertok T, <i>et al</i>	2015. Langmuir. 31(25):7148-7157	Carboxybetaine modified interface for electrochemical glycoprofiling of autoantibodies isolated from human serum	Glycan arrays. Glycobiology	Slovak Republic
Bronet F, <i>et al</i>	2015. Fertility and Sterility. 103(2):396-401	Is there a relationship between time-lapse parameters and embryo sex?	aCGH PGS	Spain
Bibova I, <i>et al</i>	2015. RNA Biol. 12(2):175-	Transcriptional profiling of <i>Bordetella pertussis</i> reveals requirement of	Gene	Czech Republic

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Authors	Reference	Publication Title	Application	Country
	185	RNA chaperone Hfq for Type III secretion system functionality	expression	
Wong LL, <i>et al</i>	2015. J Mol Cell Cardiol. 82:13-21	Natriuretic peptide receptor 3 (NPR3) is regulated by microRNA-100	miRNA screening	Singapore
Stepanenko A, <i>et al</i>	2015. Mutation Research; 771:56-69	Step-wise and punctuated genome evolution drive phenotype changes of tumor cells	aCGH cancer research	Ukraine
Morin S, <i>et al</i>	2014. J Assist Reprod Genet. 31(6):667-673	A great number of euploid blastocysts in a given cohort predicts excellent outcomes in single embryo transfer cycles	aCGH	USA
Abe H, <i>et al</i>	2014. Toxicol Appl Pharmacol; 280(3):467-474	Promoter-region hypermethylation and expression downregulation of Yy1 (Yin yang 1) in preneoplastic liver lesions in a thioacetamide rat hepatocarcinogenesis model	epigenetics CpG island microarrays	Japan
Basile N, <i>et al</i>	2014. Fertility and Sterility;101(3):699-704	Increasing the probability of selecting chromosomally normal embryos by time-lapse morphokinetics analysis	aCGH PDG/PGS	Spain
Nicckholgh B, <i>et al</i>	2014. Fertility and Sterility; 102(6):1700-1707.e1	Genetic and epigenetic stability of human spermatogonial stem cells during long-term culture	aCGH	Netherlands
Hornak M, <i>et al</i>	2014. Reprod BioMed Online. 29(4):449-508	Comprehensive meiotic segregation analysis of a 4-breakpoint t(1;3;6) complex chromosome rearrangement using single sperm array comparative genomic hybridization and FISH	aCGH	Czech Republic
Wells D, <i>et al</i>	2014. Journal of Medical Genetics. 51:553-562	Clinical utilization of a rapid low-pass whole genome sequencing technique for the diagnosis of aneuploidy in human embryos prior to implantation	aCGH	Italy
Serafini F, <i>et al</i>	2014. Int J Food Microb. 178:50-59	Kefir fermented milk and kefiran promote growth of <i>Bifidobacterium bifidum</i> PRL2010 and modulate its gene expression	Gene expression Food microbiology	Italy
Eynon N, <i>et al</i>	2014. J Sci Med in Sport; 17(1):102-106	ACTN3 R577X polymorphism and team-sport performance: A study involving three European cohorts	SNP genotyping	Australia/ Spain
Greco E, <i>et al</i>	2014. Biomed Res Int. 2014:457913	Comparative genomic hybridization selection of blastocysts for repeated implantation failure treatment: a pilot study	aCGH PDG/PGS	Italy
Sultankulova KT, <i>et al</i>	2014. The Scientific World Journal; 2014:620580	Comparative evaluation of effectiveness of IAVchip DNA microarray in influenza A diagnosis	SNP genotyping virus diagnosis	Republic of Kazakhstan
Masuda M, <i>et al</i>	2014. Molecular and Cellular Proteomics. 13:1429-1438	Alternative mammalian target of Rapamycin (mTOR) signal activation in sorafenib-resistant hepatocellular carcinoma cells revealed by array-based pathway profiling	Protein screening. RPPA	Japan

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Authors	Reference	Publication Title	Application	Country
Fragouli E, <i>et al</i>	2014. Molecular Human Reproduction. 20:117-126	Morphological and cytogenetic assessment of cleavage and blastocyst stage embryos	PDG/PGS	Italy
Turroni F, <i>et al</i>	2014. Applied Environmental Microbiology. 80:730-740	<i>Bifidobacterium bifidum</i> PRL2010 modulates the host innate immune response	Cell biology, Immunity	Italy
Fredonnet J, <i>et al</i>	2013. Microelectronic Engineering; 111:379-383	Dynamic PDMS inking for DNA patterning by soft lithography	DNA arrays nanotechnology	France
Akopyan H, <i>et al</i>	2013. Cytology and Genetics; 47(5):305-317	Comparative analysis of the karyotype of new human cell line 4BL at long-term cultivation: Ploidy of the chromosomal set	aCGH	Ukraine
Jorgensen M, <i>et al</i>	2013. J Extracellular Vesicles. 2: 20920	Extracellular Vesicle (EV) array: microarray capturing of exosomes and other extracellular vesicle for multiplexed phenotyping	protein array EV array	Denmark
Udagawa T, <i>et al</i>	2013. The Journal of Immunology. 191 (6): 3440-3452	Vascular endothelial growth factor-D-mediated blockade of regulatory T Cells within tumors is induced by hematopoietic stem cell transplantation	protein array Cytokine Ab array Cancer research	Japan
Wang L, <i>et al</i>	2013. Toxicology Science. 136:154-165	Aberration in epigenetic gene regulation in hippocampal neurogenesis by developmental exposure to manganese chloride in mice	Gene expression Toxicology	Japan
Turroni F, <i>et al</i>	2013. PNAS. 110: 11151 – 11156	Role of sortase-dependent pili of <i>Bifidobacterium bifidum</i> PRL2010 in modulating bacterium-host interactions	Cell biology Microbiology	Ireland – Italy
Duranti, <i>et al</i>	2013. Applied Environmental Microbiology. 79:336-346	Exploration of the Genomic Diversity and Core Genome of the <i>Bifidobacterium adolescentis</i> Phylogenetic Group by Means of a Polyphasic Approach	Cell biology Microbiology	Italy
Christopikou D, <i>et al</i>	2013. Human Reproduction. 28 (5): 1426-1434	Polar body analysis by array comparative genomic hybridization accurately predicts aneuploidies of maternal meiotic origin in cleavage stages embryos of women of advanced maternal age.	PDG/PGS aCGH	Greece
Bukvic N, <i>et al</i>	2013. Gene; 513(1):111-117	Characterization of the first adult de novo case of 46,X,der(Y)t(X;Y)(p22.3;q11.2)	aCGH postnatal diagnosis	Italy
Yafune A, <i>et al</i>	2013. Toxicol Lett; 222(3):295-302	Global DNA methylation screening of liver in piperonyl butoxide-treated mice in a two-stage hepatocarcinogenesis model	DNA methylation CpG promoter microarray	Japan

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Authors	Reference	Publication Title	Application	Country
Vcelakova J, <i>et al</i>	2013. J Diabetes Res; 2013:589451	The effect of diabetes-associated autoantigens on cell processes in human PBMCs and their relevance to autoimmune diabetes development	Gene expression	Czech Republic
Fragouli E, <i>et al</i>	2013. Human Genetics; 132(9):1001-1013	The origin and impact of embryonic aneuploidy	PDG/PGS aCGH	UK
Palini S, <i>et al</i>	2013. Repr BioMed Online; 26(6):603-610	Genomic DNA in human blastocoele fluid	PDG/PGS aCGH	Italy
Petersson F, <i>et al</i>	2013. Ann Diag Path; 16(6):459-469	Biphasic alveolosquamoid renal carcinoma: a histomorphological, immunohistochemical, molecular genetic, and ultrastructural study of a distinctive morphologic variant of renal cell carcinoma	aCGH cancer research	Czech Republic
Flajollet S, <i>et al</i>	2012. PLoS ONE; 4(11):e48656	Increased adipogenesis in cultured embryonic chondrocytes and in adult bone marrow of dominant negative Erg transgenic mice	Gene expression	France
Ruiz JR, <i>et al</i>	2012. Age;34(5):1269-1286	Are centenarians genetically predisposed to lower disease risk?	SNP genotyping	Spain
Stumm M, <i>et al</i>	2012. Osteoarthritis and Cartilage; 20(9):1039-1045	Genomic chondrocyte culture profiling by array-CGH, interphase-FISH and RT-PCR	aCGH	Germany
Elass-Rochard E, <i>et al</i>	2012. The journal of biological chemistry. 287: 34432-34444	Structural determination and Toll-like receptor 2-dependent proinflammatory activity of dimycolyl-diarabino-glycerol from <i>Mycobacterium marinum</i>	protein array Cell biology, Immunity	France
Ata B, <i>et al</i>	2012. Reprod BioMed Online; 24(6):614-620	Array CGH analysis shows that aneuploidy is not related to the number of embryos generated	aCGH PDG/PGS	Canada/USA
Colls P, <i>et al</i>	2012. Reprod BioMed Online; 24(6):621-629	Validation of array comparative genome hybridization for diagnosis of translocations in preimplantation human embryos	aCGH PDG/PGS	USA
Donovan LK, <i>et al</i>	2012. Translational Oncology; 5(3):141-154	A prominin-1-rich pediatric glioblastoma: Biologic behavior is determined by oxygen tension-modulated CD133 expression but not accompanied by underlying molecular profiles	aCGH Cancer research	UK
Derks-Smeets, <i>et al</i>	2012. Human Reproduction Abstract book of the 28 th ESHRE Annual Meeting, Turkey 1 July – 4 July 2012. 27 (suppl 2): ii74 – ii76	Seession 51: PDG/PGS: LOOK TO THE PAST, PREPARE THE FUTURE O-191 Feasibility of preimplantation genetic diagnosis for hereditary breast and ovarian cancer: report on a large cohort study	PDG/PGS	The Netherlands
Fragouli E, <i>et al</i>	2012. Human Reproduction. doi: 10.1093/humrep/des170	Alteration of gene expression in human cumulus cells as a potential indicator of oocyte aneuploidy	Gene expression Human reproduction	UK

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Xu Z, <i>et al</i>	2012. Molecular and Cellular Proteomics. Jan; 11(1): O111.010389.	Proteome-wide detection of Abl1 SH3-binding peptides by integrating computational prediction and peptide microarray.	Peptide arrays Protein-protein interaction studies	USA
Mangé A, <i>et al</i>	2012. Clinical Cancer Research. 18; 1992	Serum autoantibody signature of ductal carcinoma <i>In Situ</i> progression to invasive breast cancer	Protein screening Cancer research	France
Viguerie N, <i>et al</i>	2012. Physiological Genomics. 44(2): 141 - 151	Multiple effects of a short-term dexamethasone treatment in human skeletal muscle and adipose tissue	Gene expression Obesity research	France
Wu X, <i>et al</i>	2012. Acta Biochim Biophys Sin. 10.1093/abbs/gmr122	MiR-200a is involved in rat epididymal development by targeting B-catenin mRNA	miRNA research gene expression	China
Chen CK, <i>et al</i>	2012. Reproductive BioMedicine Online. 22: S68-S69	Clinical application of array CGH on PGD/PGS with day 3 embryo biopsy	PGD/PGS aCGH	Taiwan
Petersson F, <i>et al</i>	2012. Human Pathology;43(5):726-736	A distinctive translocation carcinoma of the kidney; "rosette formin," t(6;11), HMB45-positive renal tumor: a histomorphologic, immunohistochemical, ultrastructural and molecular genetic study of 4 cases	aCGH Cancer research	Czech Republic
Mamas T, <i>et al</i>	2012. Fertility and Sterility; 97(4):943-947	Detection of aneuploidy by array comparative genomic hybridization using cell lines to mimic a mosaic trophoctoderm biopsy	aCGH PGD/PGS	UK
Wang X, <i>et al</i>	2012. Reproductive BioMedicine Online. 25(4):415-424	Evidence that miR-133a causes recurrent spontaneous abortion by reducing HLA-G expression	Gene expression	China
Morin N, <i>et al</i>	2011. PLoS ONE; 6(11):e27966	Transcriptomic analyses during the transition from biomass production to lipid accumulation in the oleaginous yeast <i>Yarrowia lipolytica</i>	Gene expression Yeast biology	France
Delmont, <i>et al</i>	2011. Applied Environmental Microbiology. 27: 1315-1324	Accessing the soil metagenome for studies of microbial diversity	DNA arrays Phylogenic analysis	France
Turroni F, <i>et al</i>	2011. Applied and Environmental	Global genome transcription profiling of <i>Bifidobacterium bifidum</i> PRL2010 <i>in vitro</i> conditions and identification of reference genes for quantitative real-	Gene expression	Italy

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Authors	Reference	Publication Title	Application	Country
	Microbiology. 77(24):8578-8587	time PCR		
Matsubara J, <i>et al</i>	2011. Cancer Epidemiology, Biomarkers & Prevention. 20; 2195	Identification of adipophilin as potential plasma biomarker for colorectal cancer using label-free quantitative mass spectrometry and protein microarray	Protein microarrays RPPA	Japan
Fiuza-Luces C, <i>et al</i>	2011. Journal of the Renin-Angiotensin-Aldosterone System. 12(3):202-207	Is the ACE I/D polymorphism associated with the extreme longevity? A study of a spanish cohort	Cell biology SNP screening	Spain
Geraedts J, <i>et al</i>	2011. Human Reproduction. E ahead of print. Sep 9.	Polar body array CGH for prediction of the status of the corresponding oocyte. Part I: Clinical results	PDG/PGS aCGH	The Netherlands
Fiorentino F, <i>et al</i>	2011. Human Reproduction. 26: 1925-1935	PGD for reciprocal and Robertsonian translocations using array comparative genomic hybridization	PDG/PGS aCGH	Italy
Petersson F, <i>et al</i>	2011. Human Path; 42(11):1751-1760	Renal small cell oncoytoma with pseudorosettes: A histomorphologic, immunohistochemical, and molecular genetic study of 10 cases	aCGH Cancer research	Czech Republic
Matsubara J, <i>et al</i>	2011. Cancer Epidemiology Biomarkers & Prevention. 20 (1): 160-171	Reduced plasma lever of CXC chemokine ligand 7 in patients with pancreatic cancer	Protein microarrays RPPA	Japan
Petersson F, <i>et al</i>	2011. Ann Diag Pat; 15(5):362-369	Bilateral renal tumors; conventional clear cell carcinoma and contralateral t(6;11)/t(X;17)-like tumor: Histomorphologic, immunohistochemical, ultrastructural and molecular genetic studies including the report of a novel mutation in the gene	aCGH Cancer research	Czech Republic
Fiuza-Luces C, <i>et al</i>	2011. PLoS ONE; 6(3):e17558	Are 'Endurance' alleles 'survival' alleles? Insight from the ACTN3 R577X Polymorphism	SNP genotyping	Spain
Tassano E, <i>et al</i>	2011. Cancer Genetics;204(9):507-511	Monosomal complex karyotype in pediatric mixed phenotype acute leukemia	aCGH Cancer research	Italy
Fragouli E <i>et al</i>	2011. Human Reproduction. 26: 480 - 490.	Cytogenetic analysis of human blastocyst with the use of FISH, CGH and aCGH: scientific data and technical evaluation	PDG/PGS aCGH	UK
Klimcakova E, <i>et al</i>	2011. J. Clin. Endocrinol. Metab. 296: E73 - E82	Worsening of obesity and metabolic status yields similar molecular adaptations in human subcutaneous and visceral adipose tissue: Decreased metabolism and increased immune response	Gene expression Obesity	France

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Authors	Reference	Publication Title	Application	Country
Wang J and Ruan K	2010. Acta Biochim Biophys sin. 42 (9):628-634	miR-200c affects the mRNA expression of E-cadherin by regulating the mRNA levels of TCF8 during post-natal epidermal development in juvenile rats	research Gene expression Cell biology	China
Marquez-Quiñones, <i>et al</i>	2010. American Journal of Clinical Nutrition. 92 (4):975-984	Adipose tissue transcriptome reflects variations between subjects with continued weight loss and subjects regaining weight 6 mo after caloric restriction independent of energy intake	Gene expression Obesity research	France
Mir P, <i>et al</i>	2010. Human Reproduction Abstracts of the 26th Annual Meeting of the European Society of Human Reproduction and Embryology, Rome, Italy, 27-30 June 2010. 5 (Supplement 1):i61-i63	Session 42 Preimplantation Genetic Diagnosis O-158 Validation of arrayCGH on day-4 single blastomers from day-3 embryos diagnosed as abnormal by FISH	PDG/PGS aCGH	Spain
Uum van, <i>et al</i>	2010. Human Reproduction Abstracts of the 26th Annual Meeting of the European Society of Human Reproduction and Embryology, Rome, Italy, 27-30 June 2010. 5 (Supplement 1):i61-i63	Session 42 Preimplantation Genetic Diagnosis O-156 SNP array-based combination of copy number and genotype analyses to determine chromosomal imbalances in human blastomeres	PDG/PSG SNP arrays	The Netherlands
Git A, <i>et al</i>	2010. RNA. 16:991-1006	Systematic comparison of microarray profiling, real-time PCR, and next-generation sequencing technologies for measuring differential microRNA expression	aCGH genomic assays	UK
Amornsiripanitch N, <i>et al</i>	2010. Clinical Cancer Res. 16: 3226 - 3231	Complement factor H autoantibodies are associated with early stage NSCLC	Gene Expression Cancer research	USA
Matsubara J, <i>et al</i>	2010. Molecular and Cellular Proteomics. 9: 695 - 704	Survival prediction of pancreatic cancer patients receiving gemcitabine treatment	Protein arrays RPPA	Japan

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Authors	Reference	Publication Title	Application	Country
Marimon JM, <i>et al</i>	2010. J Microb Methods. 80:274-280	Antibody microarray typing, a novel technique for <i>Streptococcus pneumoniae</i> serotyping	SNP genotyping pathogen serotyping	Spain
Balsa A, <i>et al</i>	2010. Rheumatology. 49(3):458-66	Prediction of functional impairment and remission in rheumatoid arthritis patients by biochemical variables and genetic polymorphisms	SNP screening	Spain
Ruiz JR, <i>et al</i>	2010. Journal of Applied Physiology. 108(3):561-6	Can we identify a power-oriented polygenic profile?	SNP screening Gene expression	Sweden / Spain
Lechner M, <i>et al</i>	2009. BMC Microbiology	Genomic island excisions in <i>Bordetella petrii</i>	aCGH Genome DNA characterization	Germany
Ruiz JR, <i>et al</i>	2010. J Sci Med Sport; 13(5):549-553	The -174 G/C polymorphism of the IL6 gene is associated with elite power performance	SNP screening	Sweden / Spain
Ollier S, <i>et al</i>	2009. Journal of Dairy Science. 92(11):5554-5560	Whole intact rapeseeds or sunflower oil in high-forage or high-concentrate diets affects milk yield, milk composition, and mammary gene expression profile in goats	Gene expression Agriculture science	France
Marquez-Quiñones A, <i>et al</i>	2009. Obesity Facts. 2(Suppl. 2):43-44	Adipose tissue mRNA biomarkers of macronutrient dietary intake during a weight maintenance period in weight-reduced obese humans	Gene expression Obesity research	France
Manolakos E, <i>et al</i>	2008. Molecular Cytogenetics. 1(1):24	Complex chromosome rearrangement in a child with microcephaly, dysmorphic facial features and mosaicism for a terminal deletion del(18)(a21.32-qter) investigated by FISH and array-CGH: Case report	aCGH	Greece
Caserta D, <i>et al</i>	2008. Molecular Cytogenetics. 1(1):10	Genome profiling of ovarian adenocarcinomas using pangenomic BACs microarray comparative genomic hybridization	aCGH Cancer research	Italy
Bontoux N, <i>et al</i>	2008. Lab Chip. 8:443-450	Integrating whole transcriptome assays on a lab-on-a-chip for single cell gene profiling	Gene expression single cell analysis lab-on-chip	France

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Authors	Reference	Publication Title	Application	Country
Taghdiri M, <i>et al</i>	2019. Clin Case Rep. 7: 1149-1153	Further delineation of the phenotype caused by a novel large homozygous deletion of GRID2 gene in an adult patient	aCGH PGD, PGS	Iran
Shrestha A, <i>et al</i>	2019. Cell Mol Life Sci. 76: 2817-2832	A critical role for miR-142 in alveolar epithelial lineage formation in mouse lung development	miRNA cell differentiation	Germany
Sawicki M., <i>et al</i>	2019. Int J Mol Sci. 20:1130	On a cold night: Transcriptomics of grapevine flower unveils signal transduction and impacted metabolism	Gene expression plant biology	France
Collin P, <i>et al</i>	2018. Molecular Cell 73:655-669.e7	RNA Polymerase II CTD Tyrosine 1 is required for efficient termination by the Nrd1-Nab3-Sen1 pathway	Gene Expression	France
Jones, M.R. <i>et al</i>	2019. Frontiers in Genetics 9 :746	A comprehensive analysis of fibroblast growth factor receptor 2b signaling on epithelial tip progenitor cells during early mouse lung branching morphogenesis	Gene expression	China / Germany
Alberto D, <i>et al</i>	2018. Plant Science. 274: 8-22	Low doses of triazine xenobiotics mobilize ABA and cytokinin regulations in a stress- and low-energy-dependent manner	Gene Expression	France
Berglund E, <i>et al</i>	2018. Nature Communications. 9: 1-13	Spatial maps of prostate cancer transcriptomics reveal an unexplored landscape of heterogeneity	Gene Expression, Spatial transcriptomics	Sweden
Lake B, <i>et al</i>	2018. Frontiers in Vet Sci. 5: 97	Immunosignature differentiation of non-infectious meningoencephalomyelitis and intracranial neoplasia in dogs	Protein arrays	USA
Podlesnykh SV, <i>et al</i>	2018. Russian J Bioorganic Chemistry. 44: 150-157	Development of search strategy for peptide inhibitors of immune checkpoints	HD peptide arrays	Russia / USA
Kalantari H, <i>et al</i>	2018. Reprod Biomed Online. 36: 210-218	Fecundity in an infertile man with r(15) – a challenge to the current paradigm	aCGH	Iran
Jiang X, <i>et al</i>	2018. Reprod Biomed Online doi.org/10.1016/j.rbmo.2018.04.039	Low anti-müllerian hormone concentration is associated with increased risk of embryonic aneuploidy in women with advanced age	aCGH	China
Liu LJ, <i>et al</i>	2017. Sci Rep. 7: 16694	Molecular identification of ten species of stored-products psocids through microarray method based on ITS2 rDNA	DNA arrays pests identification	China
Schiavone M, <i>et al</i>	2017. Frontiers in Microbiology. 8: 1806	Integration of biochemical, biophysical and transcriptomics data for investigating the structural and nanomechanical properties of the yeast cell	Gene expression	France

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Authors	Reference	Publication Title	Application	Country
		wall	array	
Rowe M, <i>et al</i>	2017. PLoS Negl Trop Dis. 11: e0005882	An immunoSignature test distinguishes <i>Trypanosoma cruzi</i> , hepatitis B, hepatitis C, and West Nile virus seropositivity among asymptomatic blood donors	HD peptide arrays	USA
Engmark M, <i>et al</i>	2017. Toxicon. 138: 151-158	High-density peptide microarray exploration of the antibody response in a rabbit immunized with a neurotoxic venom fraction	HD peptide arrays	Denmark
Najafi K, <i>et al</i>	2017. Case Reports in Genetics. 2017:Article ID 2706098	Familial Case of Pelizaeus-Merzbacher disorder detected by oligo comparative genomic hybridization: Genotype-to-Phenotype Diagnosis	aCGH	Iran
Mortensen R, <i>et al</i>	2016. Scientific Reports. 6:22030	Identifying protective <i>Streptococcus pyogenes</i> vaccine antigens recognized by both B and T cells in human adults and children	High density peptide arrays	Denmark
Stafford P, <i>et al</i>	2016. Mol. Cell. Proteomics. 15: 1610 – 1621	General assessment of humoral activity in healthy humans	HD peptide array Immunosignatures	USA
Pandey M, <i>et al</i>	2016. The Journal of Immunology. 196 (8): 3364-3374	Combinatorial synthetic peptide vaccine strategy protects against hypervirulent CovR/S Mutant <i>Streptococci</i>	HD peptide arrays Vaccine research	Denmark Australia
Shumbe L, <i>et al</i>	2016. Plant Physiology. 170 (3): 1757-1771	Singlet oxygen-induced cell death in <i>Arabidopsis</i> under high-light stress is controlled by OX11 Kinase	Gene expression Plant physiology	France
Liu Z, <i>et al</i>	2016. Mol Plant; 8(12):1751-1765	A conserved cytochrome P450 evolved in seed plants regulates flower maturation	Gene expression Plant physiology	France
Noyer C, <i>et al</i>	2015. J Microbiological Meth. 112:55-66	Phytochip: Development of a DNA-microarray for rapid and accurate identification of <i>Pseudo-nitzschia</i> spp and other harmful algal species	DNA array Pathogen identification	France
Peckova K, <i>et al</i>	2015. Ann Diagn Pathol. 19(4):261-268	Chromophobe renal cell carcinoma with neuroendocrine and neuroendocrine-like features. Morphologic, immunohistochemical, ultrastructural, and array comparative genomic hybridization analysis of 18 cases and review of the literature	aCGH Cancer research	Czech Republic
Basbouss-Serhal I, <i>et al</i>	2015. Plant Physiology. 168 : 1049-1065	Germination potential of dormant and nondormant <i>Arabidopsis</i> seeds is driven by distinct recruitment of messenger RNAs to polysomes	Gene expression	France

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Authors	Reference	Publication Title	Application	Country
			Plant physiology	
Schiavone M, <i>et al</i>	2015. FEMS Yeast Research. 15:fou012	Effects of the strain background and autolysis process on the composition and biophysical properties of the cell wall from two different industrial yeast	Gene expression Cell Biology	France
Balouz V, <i>et al</i>	2015. Clinical and Vaccine Immunology. 22(3):304-312	Mapping -genic motifs in the trypomastigote mall surface antigen from <i>Trypanosoma cruzi</i>	HD Peptide arrays	Argentina
Carmona S.J., <i>et al</i>	2015. Molecular & Cellular Proteomics. 14 : 1871-1884	Towards high-throughput immunomics for infectious diseases: use of next-generation peptide microarrays for rapid Discovery and mapping of antigenic determinants	HD Peptide arrays Immunology	Argentina Denmark
Richer J, <i>et al</i>	2015. Molecular & Cellular Proteomics. 14:136-147	Epitope identification from fixed-complexity random-sequence peptide microarrays	HD Peptide arrays Immunology	USA
Bardou F, <i>et al</i>	2014. Developmental Cell. 30(2):166-176	Long noncoding RNA modulates alternative splicing regulators in Arabidopsis	Gene expression arrays Plant physiology	France
Flores-Juarez CR, <i>et al</i>	2014. J Biotechnol. 189:143-9	Hybridisation of N4-methylcytosine-containing amplicons on DNA microarrays	DNA arrays	France
Wang T, <i>et al</i>	2014. Cell. 157(7):1591-1604	Polar body genome transfer for preventing the transmission of inherited mitochondrial diseases	aCGH	China
Petersson L, <i>et al</i>	2014. Bioanalysis. 6(9):1175-1185	Miniaturization of multiplexed planar recombinant antibody arrays for serum protein profiling	Antibody arrays	Sweden
Gorokhova S, <i>et al</i>	2014. PLoS Genetics. 10(2):e1004081	Uncoupling of molecular maturation from peripheral target innervation in nociceptors expressing a chimeric TrkA/TrkC Receptor	Gene expression	France
Hudik E, <i>et al</i>	2014. Plant Physiology. 166: 152-167	Chloroplast dysfunction causes multiple defects in cell cycle progression in the <i>Arabidopsis</i> crumpled leaf mutant	Gene expression Plant biology	France
Hes O, <i>et al</i>	2014. Ann Diagn Pathol. 18(2):82-88	Distinctive renal cell tumor simulating atrophic kidney with 2 types of microcalcifications. Report of 3 cases	aCGH tumor biology	Czech Republic
Legutki JB <i>et al</i>	2014. Nature Communications 5, Article number: 4785 doi: 10.1038/ncomms5785	Scalable high-density peptide arrays for comprehensive health monitoring	Peptide arrays	USA

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Authors	Reference	Publication Title	Application	Country
Lange H, <i>et al</i>	2014. PLoS Genetics. 10(8):e1004564	The RNA helicase AtMTR4 and HEN2 target specific subsets of nuclear transcripts for degradation by the nuclear exosome in <i>Arabidopsis thaliana</i>	Gene expression plant biology	France
Dugé de Bernoville T, <i>et al</i>	2014. F FEMS Microbiology Ecology. 89(2) :527-541	Transcriptional reprogramming and phenotypical changes associated with growth of <i>Xanthomonas campestris pv. campestris</i> in cabbage xylem sap	Gene expression	France
Hou Y, <i>et al</i>	2013. Cell;155(7):1492-1506	Genome analyses of single human Oocytes	aCGH	China
Egea A, <i>et al</i>	2013. Biointerphases; 8:37	Direct patterning of probe proteins on an antifouling PLL-g-dextran coating for reducing the background signal of fluorescent immunoassays	protein arrays	France
Sperga M, <i>et al</i>	2013. Virchows Archiv; 463(4):563-573	Chromophobe renal cell carcinoma-chromosomal aberration variability and its relation to Paner grading system: an array CGH and FISH analysis of 37 cases	aCGH Cancer research	Latvia/ Czech Republic
Cau JC, <i>et al</i>	2013. Microelectronic Engineering; 220:207-214	Magnetic field assisted microcontact printing: A new concept of fully automated and calibrated process	nanotechnology	France
Bonnans C, <i>et al</i>	2012. PNAS. 109: 3047 - 3052.	Essential requirement for β -arrestin2 in mouse intestinal tumors with elevated Wnt signaling	Gene expression Cancer biology	France
Bastiat B, <i>et al</i>	2012. PLoS ONE; 7(11):e50768	Snorhizobium meliloti sigma factors RpoE1 and RpoE4 are activated in stationary phase in response to sulfite	Gene expression bacteria / plant biology	France
Zeller P, <i>et al</i>	2012. Ecotox Environ Safety; 82:13-21	Transcriptomic comparison of cyanotoxin variants in a human intestinal model revealed major differences in oxidative stress response: Effects of MC-RR and MC-LR on Caco-2 cells	Gene expression human toxicology	France
Hong S, <i>et al</i>	2012. BioChip Journal; 6(2):139-148	Gene expression profiling of Bangpungtongseong-san (Bofutsushosan) and Bangkihwangki-tang (Boiogito) administer individuals	Gene expression	Korea
Rustenholz C, <i>et al</i>	2011. Plant Physiology. 157(4):1596-1608	A 3,000-loci transcription map of chromosome 3B unravels the structural and functional features of gene islands in hexaploid wheat	Gene expression Plant biology	France
Dugat-Bony, <i>et al</i>	2011. Bioinformatics. 27(5): 641-648	HiSpOD: probe design for functional DNA microarrays	Gene expression	France
Dua P, <i>et al</i>	2011. Mol Ther. 19(9):1676-1687	Modified siRNA structure with a single nucleotide bulge overcomes conventional siRNA mediated off-target silencing	Gene expression	Korea

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Authors	Reference	Publication Title	Application	Country
Braudeau J, et al	2011. Adv Pharmacol Sci. 2011:153218	Chronic treatment with a promnesiant GABA-A α 5-selective inverse agonist increases immediate early genes expression during memory processing in mice and rectifies their expression levels in a Down syndrome mouse model	Gene expression	France
Lagraulet A	2010. Journal of the Association for Laboratory Automation. 15: 405-413	Current clinical and pharmaceutical applications of microarrays: From disease biomarker discovery to automated diagnostics	DNA arrays Protein arrays	France
Terrat S, et al	2010. BMC Bioinformatics	Detecting variants with metabolic design, a new software tool to design probes for explorative functional DNA microarray development	DNA arrays design	France
Taapken SM, et al	2010. Journal of the Association for Laboratory Automation. 15: 390-395	Automation in an array comparative genomic hybridization laboratory improves throughput and data quality	DNA array aCGH	USA
Petersson L, et al	2010. Human Proteome Organisation Congress (HUPO)	Design and fabrication of planar antibody nanoarrays using dip pen nanolithography	Protein arrays	Sweden

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Authors	Reference	Publication Title	Application	Country
Cougeoux C, <i>et al.</i>	2019. BioRxiv. Juin 17	Slug/Snail 2 is involved in the repression of proliferation genes by TGF- β in bronchial epithelial progenitor cells and is deregulated in abnormal epithelium	RPPA Cell signaling	France
Bickle, M	2019. SLAS Discovery. 24:203-2012	The academic pill: how academia contributes to curing diseases	RPPA	Germany
Emmert H, <i>et al</i>	2017. Free Radic Biol Med. 108:896-903	Kindlin-1 protects cells from oxidative damage through activation of ERK signaling	RPPA Cell signaling	UK
Launay T, <i>et al</i>	2017. Experimental Gerontology. 95:71-76	Acceleration-based training: A new mode of training in senescent rats improving performance and left ventricular and muscle functions	RPPA Cell signaling, physiology	France
Wright DK, <i>et al</i>	2016. Scientific Reports. 6:28713	Behavioral, blood, and magnetic resonance imaging biomarkers of experimental mild traumatic brain injury	RPPA Proteomics	Australia
Creedon H, <i>et al</i>	2016. Oncotarget. 7(10):11539-11552	Identification of novel pathways linking epithelial-to-mesenchymal transition with resistance to HER2-targeted therapy	RPPA Cancer research	UK
Petit C, <i>et al</i>	2016. BMC Cancer 16:746	Hypoxia promotes chemoresistance in acute lymphoblastic leukemia cell lines by modulating death signaling pathways	RPPA Cancer research	France
Creedon H, <i>et al</i>	2016. Dis. Model. Mech. 9 : 131-140	Use of a genetically engineered mouse model as a preclinical tool for HER2 breast cancer	Protein arrays RPPA Cancer research	UK
Kuleskiy E, <i>et al</i>	2016. Journal of Laboratory Automation. 21 : 27-36	Precision Cancer Medicine in the Acoustic Dispensing Era: Ex Vivo Primary Cell Drug Sensitivity Testing	Protein arrays RPPA Drug screening	Finland
Harmeier A, <i>et al</i>	2015. European Neuropsychopharmacology. 25(11):2049-2061	Trace amine-associated receptor 1 activation silences GSK3 α signaling of TAAR1 and D2R heteromers	RPPA Cell signaling	Switzerland
Fallahi-Sichani M, <i>et al</i>	2015. Molecular Systems Biology. 11 :797	Systematic analysis of BRAF ^{V600E} melanomas reveals a role for JNK/c-Jun pathway in adaptive resistance to drug-induced apoptosis	Protein arrays RPPA Cancer research Drug screening	USA
Akbani R, <i>et al</i>	2015. Molecular and Cellular Proteomics. 13:1625-1643	Realizing the promise of reverse phase protein arrays for clinical, translational and basic research: A workshop report. The RPPA (Reverse Phase Protein Array) Society	Protein arrays RPPA	USA, Europe

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Authors	Reference	Publication Title	Application	Country
Wu N. C., <i>et al</i>	2019. Cell Host & Microbe 25: 836-844.e5	Preventing and antigenically disruptive mutation in egg-based H3N2 seasonal influenza vaccines by mutational incompatibility	Glycan arrays Vaccine development	USA
Goyette P.A., <i>et al</i>	2019. Nature Communications. 10 :1-10	Microfluidic multipoles theory and applications	microfluidics: Chemical surface processing and validation	Canada
Trabbic K., <i>et al</i>	2019. Scientific Reports. 9 :1-12	A tumor-selective monoclonal antibody from immunization with a tumor-associated mucin glycopeptide	Glycan arrays	USA
Piper S., <i>et al</i>	2019. Nature Communications. 10:1952	Cryo-EM structures of the pore-forming A subunit from the Yersinia entomophaga ABC toxin	Glycan arrays structural biology	Australia
Connelly C.M., <i>et al</i>	2019. Nature Communications 10:1501	Synthetic ligands for PreQ1 riboswitches provide structural and mechanistic insights into targeting RNA tertiary structure	Small Molecule Microarray screening	USA
Hartley-Tassell L.E., <i>et al</i>	2019. Infection and Immunity. 87 :e00676-18	Lectin activity of the TcdA and TcdB toxins of <i>Clostridium difficile</i>	Lectin arrays	Australia
Nemanichvili N, <i>et al</i>	2019. J Mol Bio 431: 842-856	Fluorescent trimeric hemagglutinins reveal multivalent receptor binding properties	Glycan arrays	The Netherlands / USA
Dobrochaeva, K.L., <i>et al</i>	2019. Molecular Immunology 106: 63-68	Human antibodies eluted from ligand-free Sepharose capable of binding bacterial polysaccharides and sulfated glycans	Glycan arrays	Russia
Zhu Y, <i>et al</i>	2018. Carbohydrate Research. 464: 19-27	Large scale preparation of high mannose and paucimannose N-glycans from soybean proteins by oxidative release of natural glycans (ORNG)	Glycan arrays	USA
Esteve A, <i>et al</i>	2018. Microelectronic Engineering. 193: 7-12	Easy alignment strategy for multi-level micropatterning	Micropatterning, cell arrays	France
Nguyen HN, <i>et al</i>	2018. BMC Bioinformatics; 19: 148	ATMAD: robust image analysis for automatic tissue microarray de-arraying	Tissue microarrays, bioinformatics	France
Jokela TA, <i>et al</i>	2018. Frontiers in Cell and Dev. Biology. 6: 41	Microenvironment-induced non-sporadic expression of the AXL and cKIT receptors are related to epithelial plasticity and drug resistance	Cell microarrays	Norway / USA
Nguyen HT, <i>et al</i>	2018. J Micromechanics and Microengineering	Microfluidic extraction and microarray detection of biomarkers from cancer tissue slides	microfluidics protein arrays	France / Switzerland
Wu NC, <i>et al</i>	2018. Nature Communications. 9: 1264	A complex epistatic network limits the mutational reversibility in the influenza hemagglutinin receptor-binding site	Glycan arrays	USA

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Authors	Reference	Publication Title	Application	Country
Singh, <i>et al</i>	2018. Mol Neurobiol. 55:633-641	Humoral immunity profiling of subjects with myalgic encephalomyelitis using a random peptide microarray differentiates cases from controls with high specificity and sensitivity	HD peptide arrays	USA
Day, <i>et al</i>	2017. Sci Rep. 7:17784	Lectin activity of the pneumococcal pilin proteins	lectin-based cell arrays glycan arrays	USA
Wu NC, <i>et al</i>	2017. PLoS Pathogens. 13:e1006682	A structural explanation for the low effectiveness of the seasonal influenza H3N2 vaccine	Glycan arrays	USA
Chugh M, <i>et al</i>	2017. Tumor Biology. 39:1010428317725434	Glycoprotein CA19.9-specific monoclonal antibodies recognize sialic acid-independent glycotope	Glycan arrays	Russia
Sterner E, <i>et al</i>	2017. Cell Reports. 20(7):1681-1691	Therapeutic Antibodies to Ganglioside GD2 Evolved from Highly Selective Germline Antibodies	Glycan arrays	USA
Pasynina G, <i>et al</i>	2017. Carbohydrate Research. 445:23-31	Synthetic glycol-O-sulfatome for profiling of human natural antibodies	Glycan arrays	Russia
Garcia Caballero G, <i>et al</i>	2016. BBA – General Subjects. 1860(10):2285-2297	Galectin-related protein: An integral member of the network of chicken galectins 1. From strong sequence conservation of the gene confined to vertebrates to biochemical characteristics of the chicken protein and its crystal structure	Lectin arrays	Germany / Russia
Loeffler F. F, <i>et al</i>	2016. Nature Communications. 7:11844	High-flexibility combinatorial peptide synthesis with laser-based transfer of monomers in solid matrix material	High density peptide arrays	Germany
Garcia Caballero G, <i>et al</i>	2016. Biochimie. 128-129:34-47	Chicken GRIFIN: A homodimeric member of the galectin network with canonical properties and a unique expression profile	Lectin arrays	Germany/Russia
Kumar A, <i>et al</i>	2016. JBC 291:25032-25049 doi: 10.1074/jbc.M115.693473	A novel fucose-binding lectin from <i>Photobabidus luminescens</i> (PLL) with an unusual hepta-bladed \square -propeller tetrameric structure	Glycan arrays	Czech Republic
McBride R, <i>et al</i>	2016. J Vis Exp. 29; (111). doi: 10.3791/53847	A miniaturized glycan microarray assay for assessing avidity and specificity of influenza A virus hemagglutinins	Glycan arrays Avidity assays	USA
McBride R, <i>et al</i>	2016. Methods Mol Biol. 1352: 67-83 doi:10.1007/978-1-4939-3037-1_6	Low-cost peptide microarrays for mapping continuous antibody epitopes	High density peptide arrays	USA
Foncy J, <i>et al</i>	2016. Microelectronic engineering, 158:16-21	Reversible magnetic clamp of a microfluidic interface for the seric detection of food allergies on allergen microarrays	Protein arrays/ allergy	France
Macauley MS, <i>et al</i>	2015. J. Biol. Chem. 290 : 30066-30077	Unmasking of CD22 co-receptor on germinal center B-cells occurs by alternative mechanisms in mouse and man	Glycan arrays Immunity	USA

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Authors	Reference	Publication Title	Application	Country
Cayron H, <i>et al</i>	2015. Microelectronic Engineering. 135:1-6	Controlled deposition and multi-layer architecturing of single biomolecules using automate directed capillary assembly and nano-contact printing process	research nanotechnology	France

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InnoScan 300R; InnoScan 300G

Authors	Reference	Publication Title	Application	Country
Jiang X, <i>et al</i>	2019. RioRxv. April 29	Powerful solution for experimental cerebral malaria treatment: artesunate and tetramethylpyrazine	InnoScan 300G protein arrays	China
Li H, <i>et al</i> .	2019. Front. Mol. Neurosci. 12:80	Conditioned medium of human menstrual blood-derived endometrial stem cells protects against MPP+-induced cytotoxicity <i>in vitro</i>	InnoScan 300G protein arrays	China
Li, J-Y, <i>et al</i>	2019. Journal of Diabetes research 2019 article ID 2695436	ENA-78 is a novel predictor of wound healing in patients with diabetic foot ulcers	InnoScan 300G Protein arrays	China
Fan HJ, <i>et al</i>	2018. J Ethnopharmacology. 222: 1-10	Anti-inflammatory and immune response regulation of Si-Ni-San in 2,4-dinitrochlorobenzene-induced atopic dermatitis-like skin dysfunction	InnoScan 300G Protein arrays	China
Zhang Y, <i>et al</i>	2018. Burns. 44: 350-358	Biological function evaluation and effects of laser micro-pore burn-denatured acellular dermal matrix	InnoScan 300G Protein array	China
Liu Y, <i>et al</i>	2018. J Cell Mol Med. 22; 1627-1639	Biological characteristics of human menstrual blood-derived endometrial stem cells	InnoScan 300G Protein array	China / Germany
Wang X, <i>et al</i>	2017. Cytokine. 99: 275-280	Hepatocyte growth factor (HGF) optimizes oral traumatic ulcer healing of mice by reducing inflammation	InnoScan 300G Protein arrays	China
Li JY, <i>et al</i>	2017. Scientific Reports 7, Article number: 11277	Siglec-5 is a novel marker of critical limb ischemia in patients with diabetes	InnoScan 300G Protein arrays	China
Qian D, <i>et al</i>	2017. Cancer Lett. 397:43-51	Galectin-1-driven upregulation of SDF-1 in pancreatic stellate cells promotes pancreatic cancer metastasis	InnoScan 300R protein array	China/USA
Jung SH, <i>et al</i>	2016. Biosens Bioelectron. 79:930-937	Real-time monitoring of glucose-6-phosphate dehydrogenase activity using liquid droplet arrays and its application to human plasma samples	InnoScan 300G protein array enzyme activity array liquid droplet arrays	Republic of Korea

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Authors	Reference	Publication Title	Application	Country
Chakchouk I, <i>et al</i>	2015. J Mol Diag. 17(2):155-151	NADf Chip, a two-color microarray for simultaneous screening of multigene mutations associated with hearing impairment in North African Mediterranean countries	SNP gene mutation screening	Tunisia
Dauphinot L, <i>et al</i>	2014. Nucleosides Nucleotides Nucleic Acids. 33(4-6):208-17	Transcriptomic approaches to Lesch-Nyhan disease	Gene expression	France
Jaulneau V, <i>et al</i>	2010. J Biomed Biotech; 2010:525291	Ulvan, a sulfated polysaccharide from green algae, activates plant immunity through the jasmonic acid signaling pathway	Gene expression plant biology	France

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