

## InnoScan 710

**2023 - South Africa - InnoScan 710** - Smith M, et al. Longitudinal IgA and IgG response, and ACE2 binding blockade, to full-length SARS-CoV-2 spike protein variants in a population of black PLWH vaccinated with ChAdOx1 nCoV-19. *Viruses* 2023, 15(2), 448

**2023 - Serbia - InnoScan 710** - Baralic M, et al. Prediction of mortality in patients on peritoneal dialysis based on the fibrinogen mannosylation. *Cells*. 2023, 12: 351

**2023 - Italy - InnoScan 710** - Damin F, et al. Dual-domain reporter approach for multiplex identification of major SARS-CoV-2 variants of concern in a microarray-based assay. *Biosensors*. 2023; 13(2): 269

**2023 - USA - InnoScan 710** - Gurung M., et al. Evaluation of a plant-based infant formula containing almonds and buckwheat on gut microbiota composition, intestine morphology, metabolic and immune markers in a neonatal piglet model. *Nutrients*, 2023, 15(2): 383

**2023 - Serbia - InnoScan 710** - Baralic M, et al. Significance of 1,25-Dihydroxyvitamin D3 on overall mortality in peritoneal dialysis patients with COVID-19. *Nutrientes* 2023; 15(9): 2050

**2023 - South Africa - InnoScan 710** - Mullins M.O., et al. Epitope coverage of anti-SARS-CoV-2 nucleocapsid IgA and IgG antibodies correlates with protection against re-infection by new variants in subsequent waves of the COVID-19 pandemic. *Viruses*. 2023; 15(2): 584

**2023 - Rusia - InnoScan 710** - Dubovitskiy N. et al. Virological and genetic characterization of the unusual avian influenza H14Nx viruses in the northern asia. *Viruses*. 2023; 15(3): 734

**2023 - Italy - InnoScan 710** - Libotte F. et al. De novo 3q13.13q21.2 interstitial deletion and paternal 12p13.3 microdeletion in a fetus with dysplasia of the corpus callosum and ventriculomegaly: A case report. *Experimental and Therapeutic Medicine*. 2023; 25(2)

**2023 - France - InnoScan 710** - Koutouan C.E., et. al. Co-localization of resistance and metabolic quantitative trait loci on carrot genome reveals fungitoxic terpenes and related candidate genes associated with the resistance to alternaria dauci. *Metabolites*. 2023; 13(1): 71

**2023 - Slovakia - InnoScan 710** - Kristína Kiani cková et al. Alterations in the Glycan Composition of Serum Glycoproteins in Attention-Deficit Hyperactivity Disorder. *Int. J. Mol. Sci.* 2023, 24, 8745.

**2023 - China - InnoScan 710** - Wenjing Ma et al. Divergent Enzymatic Assembly of a Comprehensive 64-Membered IgG N-Glycan Library for Functional Glycomics. *Adv. Sci.* 2023, 10, 2303832

**2023 - Italy - InnoScan 710** - Flavia Privitera et al. APC-Related Phenotypes and Intellectual Disability in 5q Interstitial Deletions: A New Case and Review of the Literature. *Genes* 2023, 14,

1505.

**2023 - Japan - InnoScan 710** - Etsuhisa Takahashi et al. Clinical Utility of SARS-CoV-2 Antibody Titer Multiplied by Binding Avidity of Receptor-Binding Domain (RBD) in Monitoring Protective Immunity and Clinical Severity. *Viruses* 2023, 15, 1662.

**2023 - Germany - InnoScan 710** - Andreas Schallmoser et al. Comparison of angiogenic potential in vitrified vs. slow frozen human ovarian tissue. *Scientific Reports* (2023) 13:12885

**2023 - Germany - InnoScan 710** - Marina Bondareva et al. Cross-regulation of antibody responses against the SARS-CoV-2 Spike protein and commensal microbiota via molecular mimicry. *Cell Host & Microbe* 31, 1866-1881

**2023 - United Kingdom - InnoScan 710** - Yakinthi Chrisochoidou et al. Crosstalk with lung fibroblasts shapes the growth and therapeutic response of mesothelioma cells. *Cell Death and Disease* (2023) 14:725

**2023 - USA - InnoScan 710** - Heng Wu et al. Cyclin D1 extensively reprograms metabolism to support biosynthetic pathways in hepatocytes. *Journal of Biological Chemistry* (2023)

**2023 - USA - InnoScan 710** - Teresa W.-M. Fan et al. Differential Inhibition of Anaplerotic Pyruvate Carboxylation and Glutaminolysis-Fueled Anabolism Underlies Distinct Toxicity of Selenium Agents in Human Lung Cancer. *Metabolites* 2023, 13, 774.

**2023 - United Kingdom - InnoScan 710** - Marta Canel et al. FAK suppresses antigen processing and presentation to promote immune evasion in pancreatic cancer. *Gut* 2023;0:1-25

**2023 - Germany - InnoScan 710** - David Scheibner et al. Phenotypic effects of mutations observed in the neuraminidase of human origin H5N1 influenza A viruses. *PLoS Pathog* 19(2): e1011135.

**2023 - Slovakia - InnoScan 710** - Kristína Kiani cková et al. Alterations in the Glycan Composition of Serum Glycoproteins in Attention-Deficit Hyperactivity Disorder. *Int. J. Mol. Sci.* 2023, 24, 8745.

**2023 - USA - InnoScan 710** - Li Han et al. Mesenchymal stromal cells and alpha-1 antitrypsin have a strong synergy in modulating inflammation and its resolution. *Theranostics* 2023, Vol. 13, Issue 9

**2023 - Paraguay - InnoScan 710** - Victor Hugo Aquino et al. Linear epitope mapping in the E and NS1 proteins of dengue and Zika viruses: Prospection of peptides for vaccines and diagnostics. *PLoS ONE* 18(10): e0292451

**2023 - The Netherlands - InnoScan 710** - A. Middelkoop et al. Porcine digestible peptides as alternative protein source in weaner diets: effects on performance and systemic cytokine profile in pigs followed from weaning to slaughter. *Animal* 17 (2023) 100998

**2023 - The Netherlands - InnoScan 710** - GaëlM.Vos et al. Sialic acid O-acetylation patterns and

glycosidic linkage type determination by ion mobility-mass spectrometry. *Nature Communications* | (2023) 14:6795

**2022 - Slovakia - InnoScan 710** - Robajac D, et al. Lectine-based protein microarray for the glycan analysis of colorectal cancer biomarkers: The insulin-like growth factor system. In: Kilcoyne, M., Gerlach, J.Q. (eds) Glycan Microarrays. Methods in Molecular Biology 2022; 2460. Humana, New York, NY.

**2022 - Germany - InnoScan 710** - Klein P, et al. Temporal control of the integrated stress by a stochastic molecular switch. *BioRxiv* 2022

**2022 - France - InnoScan 710** - Gaide N, et al. Pathobiology of highly pathogenic H5 avian influenza viruses in naturally infected Galliformes and Anseriformes in France during winter 2015-2016. *Vet Res.* 2022; 53:11

**2022 - USA - InnoScan 710** - Brand R.E., et al. Detection of early-stage pancreatic ductal adenocarcinoma from blood samples: Results of a multiplex biomarker signature validation study. *Clin Transl Gastroenterol.* 2022;13(3): e00468.

**2022 - Greece - InnoScan 710** - Papasotiriou I, et al. Supportive Oligonucleotide Therapy (SOT) as an alternative treatment option in cancer: A preliminary study. *In Vivo.* 2022;36(2):898-906

**2022 - Russia - InnoScan 710** - Ziganshina M.M., et al. Repertoire of glycan-binding placenta-associated antibodies in healthy pregnancy and in pre-eclampsia. *Scandinavian Journal of Immunology.* 2022; e13157

**2022 - Israel - InnoScan 710** - Mazor R.D, et al. Tumor-reactive antibodies evolve from non-binding and autoreactive precursors. *Cell.* 2022;185(7):1208-1222

**2022 - Japan - InnoScan 710** - Tani A, et al. Changes in gene expression profiles and cytokine secretions in peripheral monocytes by treatment with small extracellular vesicles derived from a canine lymphoma cell line. *The Japanese Society of Veterinary Science.* Article ID: 21-0506

**2022 - Switzerland - InnoScan 710** - Mashinchian O, et al. In vivo transcriptomic profiling using cell encapsulation identifies effector pathways of systemic aging. *eLife* 2022;11:e57393

**2022 - Austria - InnoScan 710** - De Pieri A, et al. Resveratrol Microencapsulation into Electrosprayed Polymeric Carriers for the Treatment of Chronic, Non-Healing Wounds. *Pharmaceutics.* 2022; 14(4):853

**2022 - USA - InnoScan 710** - Cai T, et al. Targeting CD123 in blastic plasmacytoid dendritic cell neoplasm using allogeneic anti-CD123 CAR T cells. *Nat Commun.* 2022;13, 2228

**2022 - Germany - InnoScan 710** - Weber A, et al. The first neocentric, discontinuous, and complex

small supernumerary marker chromosome composed of 7 euchromatic blocks derived from 5 different chromosomes. *Biomedicines* 2022;10(5):1102

**2022 - France - InnoScan 710** - Zang L; et al. The nitrate transporter MtNPF6.8 is a master sensor of nitrate signal in the primary root tip of medicago truncatula. *Frontiers in Plant Science*. 2022; 13:832246

**2022 - Italy - InnoScan 710** - Granata P, et al. Whole exome sequencing in 16p13.11 microdeletion patients reveals new variants through deductive and systems medicine approaches. *Front Genet.* 2022; 13: 798607

**2022 - France - InnoScan 710** - Ziane R, et al. The asymmetric distribution of RNA polymerase II and nucleosomes on replicated daughter genomes is caused by differences in replication timing between the lagging and the leading strand. *Genome Res.* 2022. 32: 337-356

**2022 - China - InnoScan 710** - Jiaxu X, et al. The simultaneous detection of multiple antibiotics in milk and pork based on an antibody chip biosensor. *Biosensors*. 2022, 12: 578

**2022 - USA - InnoScan 710** - Tsang K.Y., et al. Identification of the O-Glycan epitope targeted by the anti-human carcinoma monoclonal antibody (mAb) NEO-201. *Cancers*. 2022; 14(20): 4999

**2022 - Denmark - InnoScan 710** - Brinch C.M., et al. The prognostic value of plasma small extracellular vesicles' phenotype in patients with gastrointestinal stromal tumor. *Anticancer Research*. 2022; 42: 5699-5717

**2022 - Italy - InnoScan 710** - Itri S. et al. A pin-based pyro-electrohydrodynamic jet sensor for tuning the accumulation of biomolecules down to sub-picogram level detection. *Sensing and Bio-sensing research*. 2022; 38: 100536

**2021 - USA - InnoScan 710** - Cai F, et al. Structural and genetic convergence of HIV-1 neutralizing antibodies in vaccinated non-human primates. *PLoS Pathog* 17(6): e1009624

**2021 - USA - InnoScan 710** - Sadras T, et al. Developmental partitioning of SYK and ZAP70 prevents autoimmunity and cancer. *Mol Cell* 2021; 81(10): 2094-2111.e9

**2021 - Germany - InnoScan 710** - Ninnemann J, et al. Induction of cross-reactive antibody responses against the RBD domain of the spike protein of SARS-CoV-2 by commensal microbiota. *BioRxiv* 2021.08.08.455272

**2021 - France - InnoScan 710** - Ondet T, et al. Unlocking the Mechanisms of Cutaneous Adverse Drug Reactions: Activation of the Phosphatidylinositol 3-Kinase/Protein Kinase B Pathway by EGFR Inhibitors Triggers Keratinocyte Differentiation and Polarization of Epidermal Immune Responses. *JID Innov.* 2021;1(2):10009

**2021 - USA - InnoScan 710** - Saunders KO, et al. Lipid nanoparticle encapsulated nucleoside-modified mRNA vaccines elicit polyfunctional HIV-1 antibodies comparable to proteins in nonhuman primates. *npj Vaccines* 2021;6:50

**2021 - South Africa - InnoScan 710** - Khan K, et al. Immunogenicity of SARS-CoV-2 infection and Ad26.Cov2.S vaccination in people living with HIV. *medRxiv* 2021.10.08.21264519

**2021 - Denmark - InnoScan 710** - Jorgensen MM, et al. Optimization of high-ythroughput multiplexed phenotyping of extracellular vesicles performed in 96-well microtiter plates. *Polymers (Basel)*. 2021;13(14):2368

**2021 - USA - InnoScan 710** - Alhallak K, et al. Nanoparticle T-cell engagers as a modular platform for cancer immunotherapy. *Leukemia* 2021;35:2346-2357

**2021 - USA - InnoScan 710** - Wang L, et al. Inhibition of myeloid HDAC2 upregulates glutaredoxin 1 expression, improves protein thiol redox state and protects against high-calorie diet-induced monocyte dysfunction and atherosclerosis. *Atherosclerosis* 2021;328:23-32

**2021 - Canada - InnoScan 710** - Bortoluzzi C, et al. Protected Organic Acid and Essential Oils for Broilers Raised Under Field Conditions: Intestinal Health Biomarkers and Cecal Microbiota. *Front Physiol.* 2021;12:722339

**2021 - South Africa - InnoScan 710** - Smith M, et al. Age, Disease Severity and Ethnicity Influence Humoral Responses in a Multi-Ethnic COVID-19 Cohort. *Viruses* 2021;13(5):786

**2021 - Russia - InnoScan 710** - Ziganshina MM, et al. Epithelial apical glycosylation changes associated with thin endometrium in women with infertility - a pilot observational study. *Reprod Biol Endocrinol* 2021; 19: 73

**2021 - Iran - InnoScan 710** - Saei P, et al. Frequency of sperm aneuploidy in oligoasthenoteratozoospermic (OAT) patients by comprehensive chromosome screening: A proof of concept. *J Reprod Infertil.* 2021;22(1): 57-64

**2021 - Italy - InnoScan 710** - Dell'Edera D, et al. Mayer-Rokitansky-Küster-Hauser syndrome with 22q11.21 microduplication: a case report. *J Med Case Reports* 2021;15:208

**2021 - Italy - InnoScan 710** - Marchina E, et al. Molecular characterization of a complex small supernumerary marker chromosome derived from chromosome 18p: an addition to the literature. *Mol. Cytogen.* 2021;14,6

**2021 - Italy - InnoScan 710** - Zito A, et al. Gene set enrichment analysis of interaction networks weighted by node centrality. *Front. Genet.* 2021;12

**2021 - Italy - InnoScan 710** - Chiodi E, et al. A reliable, label free quality control method for the

production of DNA microarrays with clinical applications. *Polymers* 2021;13(3):340

**2021 - Italy - InnoScan 710** - Damin F, et al. CovidArray: A microarray-based assay with high sensitivity for the detection of SARS-CoV-2 in Nasopharyngeal Swabs. *Sensors* 2021;21(7):2490

**2021 - South Africa - InnoScan 710** - Gedezha MP, et al. Performance of the EUROIMMUN anti-SARS-CoV-2 ELISA assay for detection of IgA and IgG antibodies in South Africa. *PLoS ONE*. 2021;16(6):e0252317

**2021 - France - InnoScan 710** - Vion J, et al. Metabolic and cardiovascular adaptations to an 8-wk lifestyle weight loss intervention in younger and older obese men. *Am J Physiol Endocrinol Metab.* 2021;321(3):E325-E337.

**2021 - Italy - InnoScan 710** - Libotte F, et al. Prenatal diagnosis of combined maternal 4q interstitial deletion and paternal 15q microduplication. *Genes* 2021;12(10):1626

**2021 - USA - InnoScan 710** - Su W, et al. Ancestral sequence reconstruction pinpoints adaptations that enable avian influenza virus transmission in pigs. *Nat Microbiol.* 2021; 6:1455-1465

**2021 - Greece - InnoScan 710** - Pisanidou V, et al. Cancer comprehensive analysis in gastric carcinoma: benefits and new perspectives. *Case Rep Oncol* 2021;14:1682-1690

**2021 - Italy - InnoScan 710** - Dell'Edera D, et al. Application of array-comparatif genomic hybridization to clinical diagnostics: Nicolaides-Baraitser syndrome, a case report. *Int J Autism & Relat Disabil: IJARD*-145

**2020 - Russia - InnoScan 710** - Dobrochaeva K, et al. Specificity of human natural antibodies referred to as anti-Tn. *Mol Immun.* 2020;120:74-82

**2020 - Russia - InnoScan 710** - Plotnikova MA, et al. Antibody microarray immunoassay for screening and differential diagnosis of upper respiratory tract viral pathogens. *J Immunol Methods.* 2020 Mar;478:112712.

**2020 - Slovak Republic - InnoScan 710** - Robajac D, et al. Sensitive glycoprofiling of insulin-like growth factor receptors isolated from colon tissue of patients with colorectal carcinoma using lectin-based protein microarray. *Int J Biol Macromol.* 2020 Feb 1;144:932-937

**2020 - USA - InnoScan 710** - Schneider JR, et al. A MUC16 IgG Binding Activity Selects for a Restricted Subset of IgG Enriched for Certain Simian Immunodeficiency Virus Epitope Specificities. *Virol* 2020;94:e01246-19

**2020 - USA - InnoScan 710** - Nelson CS, et al. HCMV glycoprotein B nucleoside-modified mRNA vaccine elicits antibody responses with greater durability and breadth than MF59-adjuvanted gB protein immunization. *J Virol.* 2020 Feb 12. pii: JVI.00186-20.

**2020 - USA - InnoScan 710** - Shen X, et al. HIV-1 Vaccine Sequences Impact V1V2 Antibody Responses: A Comparison of Two Poxvirus Prime gp120 Boost Vaccine Regimens. Sci Rep 2020;10:2093.

**2020 - Mexico - InnoScan 710** - Schaeffer E, et al. Embryos derived from donor or patient oocytes are not different for in vitro fertilization outcomes when PGT allows euploid embryo selection: a retrospective study. Clin Trans Med 2020;9:14

**2020 - Italy - InnoScan 710** - Rega R, et al. Detecting collagen molecules at picogram level through electric field-induced accumulation. Sensors. 2020;20(12):3567

**2020 - Spain - InnoScan 710** - Banfi P, et al. Lamotrigine induced Brugada-pattern in a patient with genetic epilepsy associated with a novel variant in SCN9A. Gene 2021;754:144847

**2020 - Italy - InnoScan 710** - Ciaccio C, et al. Chromosomal microarray analysis has a poor diagnostic yield in children with developmental delay/intellectual disability when concurrent cerebellar anomalies are present. Cerebellum 2020;19:629-635

**2020 - Russia - InnoScan 710** - Schuvalova ML, et al. Associated Tn antigen as a new biomarker of tumor cells with aberrant glycosylation. Biochemistry Moscow 2020;85:1064-1071

**2020 - Romania - InnoScan 710** - Gug C, et al. De novo 8p21.3→ p23.3 duplication with t(4;8)(q35;p21.3) translocation associated with mental retardation, autism spectrum disorder, and congenital heart defects: Case report with literature review. Front. Pediatr. 2020;8

**2020 - Sweden - InnoScan 710** - Lokhande L, et al. Immune-related protein signature in serum stratify relapsed mantle cell lymphoma patients based on risk. BMC Cancer 2020;20: 1202

**2020 - USA - InnoScan 710** - Bera A, et al. Functional role of vitronectin in breast cancer. PLoS One 2020;15(1):e0242141

**2020 - Slovakia - InnoScan 710** - Pazitna L, et al. Influence of media composition on recombinant monoclonal IgA1 glycosylation analysed by lectin-based protein microarray and MALDI-MS. J Biotech. 2020;314-315:34-40

**2020 - Switzerland - InnoScan 710** - Papasotiriou I, et al. Study and detection of potential markers for predicting metastasis into lymph nodes in prostate cancer. Biomarkers in Medicine 2020;14(14):1317-1327

**2020 - Slovakia - InnoScan 710** - Robajac D, et al. Sensitive glycoprofiling of insulin-like growth factor receptors isolated from colon tissue of patients with colorectal carcinoma using lectin-based protein microarray. Int. J. Biol. Macromol. 2020;144:932-937

**2020 - Serbia - InnoScan 710** - Baralic M, et al. Fibrogen fucosylation as a prognostic marker of

end-stage renal disease in patients on peritoneal dialysis. Biomolecules 2020; 10(8): 1165

**2020 - China - InnoScan 710** - He J, et al. A versatile fluorometric in situ hybridization method for the quantitation of hairpin conformations in DNA self-assembled monolayers. Analyst 2020;145:4522-4531

**2020 - Italy - InnoScan 710** - Sciacca FL, et al. Severe phenotype in a patient with homozygous 15q21.2 microdeletion involving BCL2L10, GNB5, and MYO5C Genes, resembling infantile developmental disorder with cardiac arrhythmias (IDDCA). Front. Genet. 2020;11

**2020 - Italy - InnoScan 710** - Dell'Edera D, et al. 7q35q36.3 Deletion and concomitant 20q13.2q13.33 duplication in a newborn: Familiar case. Research scarce 2020; Sep. 8th

**2020 - France - InnoScan 710** - Sauvaigo S, et al. DNA repair-based classification of melanoma cell lines reveals an effect of mutations in BRAF and NRAS driver genes on DNA repair capacity. bioRxiv 2020.04.29.067900

**2020 - Italy - InnoScan 710** - Rega R, et al. Highly sensitive detection of low abundant molecules by pyro-electrohydro-dynamic jetting. Proceedings Volume 11361, Biophotonics in Point-of-Care 2020;113610N

**2020 - Norway - InnoScan 710** - Bjorvatn B, et al. The association between shift work and immunological biomarkers in nurses. Front Public Health. 2020; 8: 415

**2020 - Italy - InnoScan 710** - Magli MC, et al. Permanence of de novo segmental aneuploidy in sequential embryo biopsies. Hum Reprod. 2020;35(4):759-769

**2020 - USA - InnoScan 710** - Phanse Y, et al. A protective vaccine against johne's disease in cattle. Microorganisms 2020; 8(9):1427

**2020 - Russia - InnoScan 710** - Dobrochaeva K, et al. Human Natural Antibodies Recognizing Glycan Gal $\beta$ 1-3GlcNAc (LeC). Int. J. Mol. Sci. 2020; 21: 6511

**2020 - Germany - InnoScan 710** - Pigoni M, et al. Seizure protein 6 controls glycosylation and trafficking of kainate receptor subunits GluK2 and GluK3. EMBO J. 2020 Aug 3;39(15):e103457

**2019 - Slovak Republic - InnoScan 710** - Robajac D, et al. Glycoanalysis of the placental membrane glycoproteins throughout placental development. Mech Ageing Dev. 2019 Oct;183:111151.

**2019 - Italy - InnoScan 710** - Desantis S, et al. Glycan Profiling Analysis of Equine Amniotic Progenitor Mesenchymal Cells and Their Derived Extracellular Microvesicles. Stem Cells Dev. 2019 Jun 15;28(12):812-821.

**2019 - France - InnoScan 710** - Gâtel P, et al. 1Ubiquitin and SUMO conjugation as biomarkers of

Acute Myeloid Leukemias response to chemotherapies. bioRxiv 825182

**2019 - USA - InnoScan 710** - Kim GB, et al. Rapid generation of somatic mouse mosaics with locus-specific, stably integrated transgenic elements. Cell 2019;179(1):251-267.e24.