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TwistPlatomicsMGI
(Lead: Twist Bioscience Corporation)



Project abstract

As a consortium of three leading companies in the fields of next-generation sequencing, genetic data analysis and laboratory automation, Twist Bioscience Corporation, Platomics GmbH and Latvia MGI Tech SIA have successfully applied for the EU Horizon2020-tender “InstandNGS4P” to build up an integrated and standardized, IVDR-compliant NGS workflow for personalized therapy, for both rare and common cancer. Combining the strengths of all three partners, Twist Bioscience and MGI will establish a manual and automated workflow for NGS library preparation and quality control, and based on the bioinformatic and analytical expertise of Platomics, Twist Bioscience will generate a so-called cancer masterpanel. Later on, this masterpanel will be used for the generation of individual, personalized panels and Platomics will deliver the IVDR-compliant documentation for the complete workflow. This unique solution will help oncologists, genetic counselors and clinicians to offer a so far unknown flexibility in terms of individualized gene panel analysis with a simultaneously impressive short turn-around-time.