


Contractor Details	Type/ size of legal entity	Place of performance of contract activities	Logo
<p><u>Main contractor</u></p> <p>QIAGEN GmbH QIAGEN Strasse 1 40724 Hilden Germany</p> <p>Dr. Uwe Oelmüller Phone: +49 2103 2911489 Mobile: +49 152 018 11489 <a href="mailto:uwe.oelmueeller@qiagen.com">uwe.oelmueeller@qiagen.com</a></p>	<p>larger company</p>	<p>% of contract value allocated to main contractor: 100 %</p> <p>% of activities for the contract performed by the main contractor in EU Member States or countries associated with Horizon 2020: 100 %</p>	
<p><b>Project abstract</b></p> <p>All steps of diagnostic workflows including pre-analytical, analytical and post-analytical steps can influence final diagnostic results. For the development of NGS tests all workflow steps therefore need to be specified, verified and validated.</p> <p>We have developed new NGS suited pre-analytical workflows and their links to NGS library preparation including quality control. Steps include specimen collection, stabilisation, storage, transport, processing and isolation of nucleic acids. Specimen types include blood, tissues, urine, saliva, and bone marrow. Specimen target analytes include cellular RNA, gDNA, liquid biopsies nucleic acids including cfDNA, ccfDNA and ccfRNA, as well as different cellular features. A novel urine liquid biopsy set enables non-invasive sample collection and cell-free DNA profile stabilization. Multimodality and multisource specimen requirements are taken into account, being especially important for cancer diagnostics. We furthermore developed optimised pre-analytical interphase steps to NGS library preparation including library QC. During project phase 3 these workflows will be tested by Instand-NGS4P members and will be further optimised where needed.</p> <p>ISO &amp; CEN Standards and EU IVDR 2017/746 requirements are followed. Complete NGS workflows are built with existing and upcoming new sequencing and bioinformatics solutions for judging the quality of our new pre-analytical / library solutions.</p>			
<p><b>Previous EU funding</b></p> <p>Is the project based on / a continuation of R&amp;D activities that were previously funded by the EU?: YES If yes, identify this EU funding:</p> <ul style="list-style-type: none"> <li>- H2020 — SPIDIA4P — grant agreement no. 733112</li> <li>- H2020 – EASI-Genomics – grant agreement no. 824110</li> <li>- H2020 – CANCER-ID – grant agreement no. 115749</li> <li>- FP7 – SPIDIA – grant agreement no. 222916</li> </ul>			