



## Affymetrix Tumor Profiling Grant Program

Apply a multi-omics approach to biomarker discovery

### Application checklist

Use the checklist below to ensure you have all required information before beginning the application process.

- ☐ **Contact information**, including full name, title, institution, complete postal address, email, and phone
- ☐ **Project title** (200 character max.)
- ☐ **Project description** (5,000 character max.), which must include
  - ☐ Unmet clinical need
  - ☐ Proposed experiments
  - ☐ Available resources
  - ☐ Timelines
  - ☐ Data analysis techniques
  - ☐ Next steps
- ☐ **List of collaborators and key personnel**
- ☐ **Date of sample availability** (no later than 15<sup>th</sup> January 2016) for a minimum of 30 samples (FFPE, fresh frozen tissue, or blood)
- ☐ **Informed consents and Ethics Committee (or Institutional Review Board, as applicable) approval** to use samples for research purposes
- ☐ **Access to necessary equipment** such as
  - GeneChip® System (GCS) 3000
  - Luminometer
  - Fluorimeter
  - Microscope
  - Flow cytometer
  - Real-time PCR system
- ☐ **List of 2–5 Affymetrix products** to be used

**Apply today.**

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#AffyTumorGrant

## Let Affymetrix sponsor your tumor profiling project to discover and validate the best biomarker.

Affymetrix provides proven solutions for the identification and validation of DNA, RNA, protein, and cellular biomarkers in your clinical samples. Choose the best technology for your selected analytes from the table below, and include your choices in the grant application.

Analyte	Biomarker identification	Analytical validation
<b>DNA</b> <b>Genotyping</b> <b>Copy number</b>	<ul style="list-style-type: none"> <li>Human SNP analysis <b>Axiom® Genotyping Solution</b></li> <li>Copy number variation in blood <b>CytoScan® Cytogenetics Suite</b></li> <li>Copy number variation in FFPE tissue <b>OncoScan® FFPE Assay Kit</b></li> </ul>	<ul style="list-style-type: none"> <li>Single targets <b>QuantiGene® Singleplex DNA Assays</b></li> <li>Single- to low-plex targets <b>VeriQuest® qPCR master mix reagents</b></li> <li>&lt;33 targets <b>QuantiGene® Plex DNA Assays</b></li> </ul>
<b>RNA</b> <b>Gene expression</b> <b>Gene regulation</b>	<ul style="list-style-type: none"> <li>Whole-transcriptome analysis <b>GeneChip® Human Transcriptome Array (HTA) 2.0</b> <i>and</i></li> <li>Flexible sample preparation <b>GeneChip® WT Pico Kit</b></li> <li>Small non-coding RNA analysis <b>GeneChip® miRNA 4.0 Array</b></li> </ul>	<ul style="list-style-type: none"> <li>Single targets <b>QuantiGene® Singleplex Assays</b></li> <li>Single- to low-plex targets <b>VeriQuest® qPCR master mix reagents</b></li> <li>&lt;80 targets <b>QuantiGene® Plex Assays</b></li> <li>Visualization of 1–4 targets per cell <b>ViewRNA® Assays</b></li> <li>Gene expression in isolated cells <b>PrimeFlow™ RNA Assays</b></li> <li>Single targets <b>QuantiGene® miRNA Assays</b></li> </ul>
<b>Protein and cells</b> <b>Multiplex cytokine profiling</b> <b>Flow cytometry</b> <b>Immunophenotyping</b>	<ul style="list-style-type: none"> <li>Multiplex immunoassays <b>ProcartaPlex™ Multiplex Immunoassays</b></li> </ul>	<ul style="list-style-type: none"> <li>Protein titer determination <b>Platinum, Instant®, InstantOne™, High Sensitivity, and Ready-SET-Go!® ELISAs</b></li> <li>Immunophenotyping in cell suspensions <b>Flow cytometry reagents</b></li> <li>Immunohistochemistry (IHC) and immunocytochemistry (ICC) <b>Antibodies for IHC and ICC</b></li> </ul>

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## Grant program terms and conditions

Affymetrix Tumor Profiling Grant Program will award three researchers/research groups or consortia from the EU or Norway, Switzerland, Bahrain, Israel, Jordan, Kuwait, Morocco, Oman, Qatar, Russia, Saudi Arabia, South Africa, Tunisia, Turkey or United Arab Emirates with the consumables required to analyze two different analytes (RNA, DNA, proteins, or cells) in 30 tumor samples, stored as either fresh frozen, formalin-fixed paraffin-embedded, or blood tissue. Applications must be received via SurveyMonkey by 8 PM GMT on 31<sup>st</sup> December 2015. All samples must be processed and analyzed by 30<sup>th</sup> December 2016. Winners will be selected based on scientific and clinical merit and compliance with the grant program criteria: (1) Applicants must have 30 samples (FFPE, fresh frozen tissue, or blood) already collected and ready for processing; (2) All samples must have received ethical consent to be used for research purposes; (3) Winners must be prepared to analyze at least two different molecular or cellular parameters that can be addressed by Affymetrix® products; (4) All products must be used in accordance with manufacturer's guidelines; (5) All data generated by the study is owned by the winner. Winners must be willing to share the data with Affymetrix and grant permission to Affymetrix to use the data for commercial and/or training purposes, anonymously if required; (6) Winners must be willing and able to present preliminary results from the study internally to Affymetrix on or before 31<sup>st</sup> August 2016; (7) Winners must be willing and able to present the results during at least one Affymetrix sponsored event, which may include but not be limited to scientific conferences, workshops, webinars, seminars, interviews, no later than 31<sup>st</sup> May 2017. Winners will be announced on 29<sup>th</sup> January 2016. No purchase necessary. Void where prohibited. Open to residents of the EU or Norway, Switzerland, Bahrain, Israel, Jordan, Kuwait, Morocco, Oman, Qatar, Russia, Saudi Arabia, South Africa, Tunisia, Turkey or United Arab Emirates.

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