

## Recent publications on GeneChip® miRNA Array Solutions

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### Regulation of miRNA expression

Bartoszewski R., *et al.* The unfolded protein response (UPR)-activated transcription factor XBP1 induces micro-RNA-346 expression that Targets the human antigen peptide transporter 1 (TAP1) mRNA and governs immune regulatory genes. *Journal of Biological Chemistry* **286**:41862-70 (2011).

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Kawahara Y., Mieda-Sato A. TDP-43 promotes microRNA biogenesis as a component of the Drosha and Dicer complexes. *Proceedings of the National Academy of Sciences of the United States of America* **109**(9):3347-52 (2012).

Pulakat L., *et al.* Cardiac insulin resistance and microRNA modulators. *Experimental Diabetes Research* **2012**:654904 Epub (2011) .

### miRNA in cell-free circulation and serum

Duttagupta R., *et al.* [Genome-Wide Maps of Circulating miRNA Biomarkers for Ulcerative Colitis.](#) *PLoS One* **7**(2):e31241 (2012).

Duttagupta R., *et al.* [Impact of Cellular miRNAs on Circulating miRNA Biomarker Signatures.](#) *PLoS One* **6**(6):e20769 (2011).

Lorenzen J. N., *et al.* Circulating miR-210 Predicts Survival in Critically Ill Patients with Acute Kidney Injury. *Clinical Journal of the American Society of Nephrology* **6**(7):1540-6 (2011).

Selth L. A., *et al.* Discovery of circulating microRNAs associated with human prostate cancer using a mouse model of disease. *International Journal of Cancer* Epub (2011).

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### Cancer research

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Kim C. H., *et al.* miRNA signature associated with outcome of gastric cancer patients following chemotherapy. *BMC Medical Genomics* **4**:79 (2011).

Lajer C. B., *et al.* Different miRNA signatures of oral and pharyngeal squamous cell carcinomas: a prospective translational study. *British Journal of Cancer* **104**(5):830-40 (2011).

Lajer C. B., *et al.* The role of miRNAs in human papilloma virus (HPV)-associated cancers: bridging between HPV-related head and neck cancer and cervical cancer. *British Journal of Cancer* Epub (2012).

Mei J., *et al.* MicroRNA-146a Inhibits Glioma Development by Targeting. *Molecular Cell Biology* **31**(17):3584-92 (2011).

Piepoli A., *et al.* [Mirna Expression Profiles Identify Drivers in Colorectal and Pancreatic Cancers.](#) *PLoS One* **7**(3):e33663 (2012).

Ramin R., *et al.* Integrated Epigenetics of Human Breast Cancer: Synoptic Investigation of Targeted Genes, MicroRNAs and Proteins upon Demethylation Treatment. *PLoS One* **6**(11):e27355 (2011).

Venneti S., *et al.* MiRNA-9 and MiRNA-200a distinguish hemangioblastomas from metastatic clear cell renal cell carcinomas in the CNS. *Brain Pathology* Epub (2011).

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### **Other disease areas and applications**

Allantaz F., *et al.* [Expression Profiling of Human Immune Cell Subsets Identifies miRNA-mRNA Regulatory Relationships Correlated with Cell Type Specific Expression.](#) *PLoS One* **7**(1):e29979 (2012).

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Jiang Z., *et al.* Trinucleotide Repeat Containing 6a (Tnrc6a)-mediated MicroRNA Function Is Required for Development of Yolk Sac Endoderm. *Journal of Biological Chemistry* **287**(8):5979-87 (2012).

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Rayner K. J., *et al.* Inhibition of miR-33a/b in non-human primates raises plasma HDL and lowers VLDL triglycerides. *Nature* **478**:404-7 (2011).

### Technical reports

Dahlgaard J., *et al.* Analytical variables influencing the performance of a miRNA based laboratory assay for prediction of relapse in stage I non-small cell lung cancer (NSCLC). *BMC Research Notes* **4**(1):424 (2011).

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Kaddis J. S., *et al.* Influence of RNA Labeling on Expression Profiling of MicroRNAs. *Journal Molecular Diagnostics* **14**(1):12-21 (2012).

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