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JOURNAL CLUB

Selected articles made freely available, including helpful slides and key points for discussion in your Journal Club. The link below provides free access to both the article and Journal Club content.

- Direct Estimation of HDL-Mediated Cholesterol Efflux Capacity from Serum** Sanna Kuusisto, Michael V. Holmes, Pauli Ohukainen, Antti J. Kangas, Mari Karsikas, Mika Tiainen, Markus Perola, Veikko Salomaa, Johannes Kettunen, Mika Ala-Korpela www.clinchem.org/content/65/8/1042

PEARLS OF LABORATORY MEDICINE

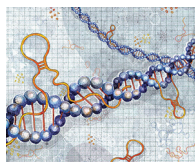
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ON THE COVER Non-coding RNA. Non-coding RNAs are RNAs that are not translated into proteins. MicroRNAs (miRNAs), one of the several types of non-coding RNAs, are short RNAs (20-24 nucleotides) that are known to regulate various metabolic processes either directly or indirectly. MiRNAs are emerging as key players in tumor metabolism and progression, and there is evidence that cancer-regulating miRNAs may represent potential biomarkers and new therapeutic targets for cancer. This issue of *Clinical Chemistry* contains a review article that covers cancer-related metabolic pathways (glycolysis, tricarboxylic acid cycle, pentose phosphate pathway, fatty acid metabolism, amino acid metabolism, oncogenic signaling) and their regulation by miRNAs that are known to lead to tumorigenesis. Also covered is the current state of miRNA therapeutics in the clinic and their future potential. (See page 1090.) Reproduced with permission. Illustration by Julia Yellow.



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