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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.

Full-Size and Partially Truncated Cardiac Troponin Complexes in the Blood of Patients with Acute Myocardial Infarction Alexandra V. Vylegzhanina, Alexander E. Kogan, Ivan A. Katrukha, Ekaterina V. Koshkina, Anastasia V. Bereznikova, Vladimir L. Filatov, Marina N. Bloschitsyna, Agnessa P. Bogomolova, Alexey G. Katrukha
www.clinchem.org/content/65/7/882

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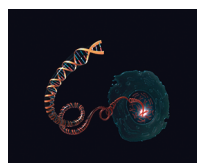
Melissa Snyder
 Inflammatory Bowel Disease
 10.15428/CCTC.2018.298166

Michael Timm
 Cell Sorting Using Flow Cytometry
 10.15428/CCTC.2019.307215

Kwabena Sarpong
 Tyrosinemias—Biochemistry and Clinical Laboratory Investigation
 10.15428/CCTC.2018.292755

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ON THE COVER DNA from a single cell. The DNA of individual cells within a tissue should seemingly be the same. However, over time, during cell division, exposure to outside factors can effect small changes within the genome and lead to the development of disease. The

ability to detect such small changes in an early stage could help delineate mechanisms associated with disease development and progression. Furthermore, even with seemingly similar tissues, different cell populations may have different transcriptomes, each having different contributions to cellular processes. How can we detect these small differences in genomes and transcriptomes and tease out the varying functional differences that otherwise would be lost with bulk tissue approaches such as next generation sequencing? Single-cell genomics (SCG) is an emerging field that promises to change how we study diseases and may reveal new diagnostic and therapeutic methods. This issue of *Clinical Chemistry* contains a Review that describes SCG technologies, current challenges, and applications of SCG in clinical research. (See page 972.) ©Reproduced with permission from Alamy Stock Photo.



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