

PERSPECTIVE

Sequence Variant Interpretation 2.0: Perspective on New Guidelines for Sequence Variant Classification S. Chen, X. Hu, and Y. Shen **1317**

Q&A

Triangulating Dynamic of Clinical Laboratory Testing Moderators: K. Weinert, P. Gyorda, and N. Rifai; Experts: S. Evans, H.W. Kaufman, C.S. Eby, E.R. Ashwood, and N. Moore **1320**

CLINICAL CASE STUDY

A Patient with Persistent Lactation and Recurrent Hypercalcemia Q.H. Meng and E.A. Wagar **1328**

Commentary
S.M. Gandhi and E.S. Nylen **1331**

Commentary
R.L. Bertholf **1331**

REVIEWS

Data Normalization Strategies for MicroRNA Quantification H. Schwarzenbach, A. Machado da Silva, G. Calin, and K. Pantel **1333**

Biomarkers in Pharmaceutical Research X. Zhao, V. Modur, L.N. Carayannopoulos, and O.F. Laterza **1343**

ARTICLES

AUTOMATION AND ANALYTICAL TECHNIQUES

DMSO Increases Mutation Scanning Detection Sensitivity of High-Resolution Melting in Clinical Samples C. Song, E. Castellanos-Rizaldos, R. Bejar, B.L. Ebert, and G.M. Makrigiorgos **1354**

Tandem Mass Spectrometry Has a Larger Analytical Range than Fluorescence Assays of Lysosomal Enzymes: Application to Newborn Screening and Diagnosis of Mucopolysaccharidoses Types II, IVA, and VI A.B. Kumar, S. Masi, F. Ghomashchi, N.K. Chennamaneni, M. Ito, C.R. Scott, F. Turecek, M.H. Gelb, and Z. Spacil **1363**

INFECTIOUS DISEASE

Rapid, Fully Automated Digital Immunoassay for p24 Protein with the Sensitivity of Nucleic Acid Amplification for Detecting Acute HIV Infection C. Cabrera, L. Chang, M. Stone, M. Busch, and D.H. Wilson **1372**

ENDOCRINOLOGY AND METABOLISM

Obese Nondiabetic Pregnancies and High Maternal Glycated Hemoglobin at Delivery as an Indicator of Offspring and Maternal Postpartum Risks: The Prospective PEACHES Mother-Child Cohort R. Ensenauer, L. Brandlhuber, M. Burgmann, C. Sobotzki, C. Zwafink, S. Anzill, L. Holdt, D. Teupser, U. Hasbargen, H. Netz, A.A. Roscher, and R. von Kries **1381**

MOLECULAR DIAGNOSTICS AND GENETICS

Demonstration of the Pre-Emergency Use Authorization Path Using 3 Minor Groove Binder-Hydrolysis Probe Assays to Detect *Escherichia coli* O104:H4 L.J. Hartman, M.L. Heinrich, A.M. Zovanyi, M.F. Ingram, J.P. Hobson, D.A. Kulesh, P.D. Craw, J.G. Jaissle, D.A. Norwood, and T.D. Minogue **1391**

Fetal Sex and *RHD* Genotyping with Digital PCR Demonstrates Greater Sensitivity than Real-time PCR K.A. Sillence, L.A. Roberts, H.J. Hollands, H.P. Thompson, M. Kiernan, T.E. Madgett, C.R. Welch, and N.D. Avent **1399**

Variant Profiling of Candidate Genes in Pancreatic Ductal Adenocarcinoma J. Huang, J.-M. Löh, M. Nilsson, R. Segersvärd, H. Matsson, C. Verbeke, R. Heuchel, J. Kere, A.J. Iafrate, Z. Zheng, and W. Ye **1408**

CITATION CLASSIC

A Brief History of Tau M. Goedert, M.G. Spillantini, and R.A. Crowther **1417**

CORRECTION

Difference in Bias Approach for Commutability Assessment: Application to Frozen Pools of Human Serum Measured by 8 Direct Methods for HDL and LDL Cholesterol W.J. Korzun, G. Nilsson, L.M. Bachmann, G.L. Myers, I. Sakurabayashi, K. Nakajima, M. Nakamura, R.D. Shamburek, A.T. Remaley, and W.G. Miller **1419**

continued

CLINICAL CHEMIST

WHAT IS YOUR GUESS?

Persistence of Infliximab in Circulation for 7 Years?
S.M. Kelting, D.L. Kimpel, and D.E. Bruns **1420**

Extreme Hyponatremia with Markedly Increased Anion Gap P.M. Miller and D.R. Dufour **1422**

UNVEILING THE RIGHT SIDE

University of Glasgow M.H. Dominiczak **1423**

SCIENCE IN THE ARTS

Craftsmanship in Arts and Science
M.H. Dominiczak **1424**

ONLINE CONTENT

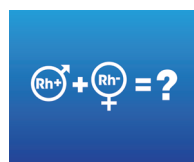
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ON THE COVER Solving the Rhesus (Rh) factor equation. There are 2 answers to the equation, one of which can have clinically important ramifications. Individuals who carry the D antigen on their red blood cells are considered Rh-positive, while those who do not carry the D antigen are Rh-negative. If a father is Rh-positive and the mother is Rh-negative, the fetus can be either Rh-positive or -negative; yet only an Rh-positive fetus can create incompatibility issues between the mother and fetus. Thus, it is important to correctly solve the Rh equation so that unnecessary and expensive prophylactic therapy can be avoided. Since the discovery of cell-free fetal DNA in maternal plasma, noninvasive prenatal testing for Rh status is now possible. This issue of *Clinical Chemistry* contains the results of a study comparing digital PCR and real-time PCR for both fetal sex and Rh genotyping. (See page 1399.)

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