

INTRODUCTION

- Molecular Diagnostics: At the Cutting Edge of Translational Research** Y.M.D. Lo and C.T. Wittwer 601

EDITORIALS

- From Transrenal DNA to Stem Cell Differentiation: An Unexpected Twist** S.R. Umansky (see article on page 715) 602
- On Targeting Cell-Free DNA in Urine: A Protocol for Optimized DNA Analysis** M. Bauer and B. Pertl (see article on page 723) 605
- Next-Generation Sequencing of Plasma/Serum DNA: An Emerging Research and Molecular Diagnostic Tool** Y.M.D. Lo and R.W.K. Chiu (see article on page 730) 607

PERSPECTIVE

- A New Tool for Oligonucleotide Import into Cells** D.C. Leslie and J.P. Landers 609

SPECIAL REPORT

- The MIQE Guidelines: Minimum Information for Publication of Quantitative Real-Time PCR Experiments** S.A. Bustin, V. Benes, J.A. Garson, J. Hellemans, J. Huggett, M. Kubista, R. Mueller, T. Nolan, M.W. Pfaffl, G.L. Shipley, J. Vandesompele, and C.T. Wittwer 611

MINI-REVIEWS

- MicroRNAs: Novel Biomarkers for Human Cancer** C.L. Bartels and G.J. Tsongalis 623
- PCR-Based Methods for the Enrichment of Minority Alleles and Mutations** C.A. Milbury, J. Li, and G.M. Makrigiorgos 632

REVIEWS

- Next-Generation Sequencing: From Basic Research to Diagnostics** K.V. Voelkerding, S.A. Dames, and J.D. Durtschi 641

- Microarray-Based Genomic DNA Profiling Technologies in Clinical Molecular Diagnostics** Y. Shen and B.-L. Wu 659

- Analytical Ancestry: "Firsts" in Fluorescent Labeling of Nucleosides, Nucleotides, and Nucleic Acids** L.J. Kricka and P. Fortina 670

- Utilizing the Molecular Gateway: The Path to Personalized Cancer Management** J.B. Overvest, D. Theodorescu, and J.K. Lee 684

- Management of Gene Promoter Mutations in Molecular Diagnostics** K.M.K. de Vooght, R. van Wijk, and W.W. van Solinge 698

POINT/COUNTERPOINT

- Point: Use of Pharmacogenetics in Guiding Treatment with Warfarin** M. Wadelius 709

- Counterpoint: Pharmacogenetic-Based Initial Dosing of Warfarin: Not Ready for Prime Time** C.S. Eby 712

ARTICLES

MOLECULAR DIAGNOSTICS AND GENETICS

- Presence of Donor-Derived DNA and Cells in the Urine of Sex-Mismatched Hematopoietic Stem Cell Transplant Recipients: Implication for the Transrenal Hypothesis** E.C.W. Hung, T.K.F. Shing, S.S.C. Chim, P.C. Yeung, R.W.Y. Chan, K.W. Chik, V. Lee, N.B.Y. Tsui, C.-K. Li, C.S.C. Wong, R.W.K. Chiu, and Y.M.D. Lo (see editorial on page 602) 715

- Optimization of Transrenal DNA Analysis: Detection of Fetal DNA in Maternal Urine** E.M. Shekhtman, K. Anne, H.S. Melkonyan, D.J. Robbins, S.L. Warsof, and S.R. Umansky (see editorial on page 605) 723

- Profile of the Circulating DNA in Apparently Healthy Individuals** J. Beck, H.B. Urnovitz, J. Riggert, M. Clerici, and E. Schütz (see editorial on page 607) 730

- European External Quality Control Study on the Competence of Laboratories to Recognize Rare Sequence Variants Resulting in Unusual Genotyping Results** J. Márki-Zay, C.L. Klein, D. Gancberg, H.G. Schimmel, and L. Dux 739

continued

ARTICLES, *continued*

Coamplification at Lower Denaturation Temperature–PCR Increases Mutation-Detection Selectivity of TaqMan-Based Real-Time PCR
J. Li, L. Wang, P.A. Jänne, and G.M. Makrigiorgos 748

mRNA Expression and *BRAF* Mutation in Circulating Melanoma Cells Isolated from Peripheral Blood with High Molecular Weight Melanoma-Associated Antigen–Specific Monoclonal Antibody Beads M. Kitago, K. Koyanagi, T. Nakamura, Y. Goto, M. Faries, S.J. O’Day, D.L. Morton, S. Ferrone, and D.S.B. Hoon 757

Circulating Prostate Tumor Cells Detected by Reverse Transcription–PCR in Men with Localized or Castration-Refractory Prostate Cancer: Concordance with CellSearch Assay and Association with Bone Metastases and with Survival P. Helo, A.M. Cronin, D.C. Danila, S. Wenske, R. Gonzalez-Espinoza, A. Anand, M. Koscuizska, R.-M. Väänänen, K. Pettersson, F.K.-H. Chun, T. Steuber, H. Huland, B.D. Guillonneau, J.A. Eastham, P.T. Scardino, M. Fleisher, H.I. Scher, and H. Lilja 765

Interindividual and Interethnic Variation in Genomewide Gene Expression: Insights into the Biological Variation of Gene Expression and Clinical Implications H.P.Y. Fan, C.D. Liao, B.Y. Fu, L.C.W. Lam, and N.L.S. Tang 774

Overinterpretation of Clinical Applicability in Molecular Diagnostic Research B. Lumbreras, L.A. Parker, M. Porta, M. Pollán, J.P.A. Ioannidis, and I. Hernández-Aguado 786

EVIDENCE-BASED MEDICINE AND TEST UTILIZATION

Familial and Sporadic Porphyria Cutanea Tarda: Characterization and Diagnostic Strategies
A.K. Aarsand, H. Boman, and S. Sandberg 795

POINT-OF-CARE TESTING

Rapid Single-Nucleotide Polymorphism Detection of Cytochrome P450 (*CYP2C9*) and Vitamin K Epoxide Reductase (*VKORC1*) Genes for the Warfarin Dose Adjustment by the SMart-Amplification Process Version 2 T. Aomori, K. Yamamoto, A. Oguchi-Katayama, Y. Kawai, T. Ishidao, Y. Mitani, Y. Kogo, A. Lezhava, Y. Fujita, K. Obayashi, K. Nakamura, H. Kohnke, M. Wadelius, L. Ekström, C. Skogastierna, A. Rane, M. Kurabayashi, M. Murakami, P.E. Cizdziel, Y. Hayashizaki, and R. Horiuchi 804

INFECTIOUS DISEASE

Generating Aptamers for Recognition of Virus-Infected Cells Z. Tang, P. Parekh, P. Turner, R.W. Moyer, and W. Tan 813

BRIEF COMMUNICATION

A Multiplex Assay for Detecting Genetic Variations in *CYP2C9*, *VKORC1*, and *GGCX* Involved in Warfarin Metabolism A.J. Rai, N. Udar, R. Saad, and M. Fleisher 823

CLINICAL CASE STUDY

Genetic Testing for Developmental Delay: Keep Searching for an Answer D.T. Miller, Y. Shen, D.J. Harris, B.-L. Wu, and M.M. Sobeih 827

COMMENTARIES

S.W. Cheung 830
N.L.S. Tang 831

CITATION CLASSIC

The Beginnings of Real-Time PCR P.M. Williams 833

INTERVIEW

A Conversation with Elizabeth Blackburn
M. Landau 835

LETTER TO THE EDITOR

Validity of Maternal Genotypes in DNA from Archival Pregnancy Serum Samples M.I.L. Ivarsson, J. Dillner, and J. Carlson 842

continued

CLINICAL CHEMIST

Lily Robinson and the Mount Vernon Affair:
Recollections 844

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ON THE COVER Elizabeth Blackburn, PhD, of the University of California, San Francisco, examines a chromosome (blue) and its telomeres (red). Dr. Blackburn discovered the ribonucleoprotein enzyme, telomerase that keeps the ends of chromosomes intact.

As the “leading lady of telomerase biology,” she shares her views on science, women and politics, in the Interview beginning on page 835. ©Reproduced with permission. Photographer, Micheline Pelletier. Photo taken on the occasion of Dr. Blackburn receiving the 2008 L’OREAL-UNESCO Award for Women in Science as the laureate for North America.

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