









31. Pirmohamed M, James S, Meakin S (2004) Adverse drug reactions as cause of admission to hospital: prospective analysis of 18 820 patients. *BMJ* 329: 15-19.
32. Need AC, Motulsky AG, Goldstein DB (2005) Priorities and standards in pharmacogenetic research. *Nat Genet* 37: 671-681.
33. Kalow W, Tang BK, Endrenyi L (1998) Hypothesis: comparisons of inter- and intra-individual variations can substitute for twin studies in drug research. *Pharmacogenetics* 8: 283-289.
34. Otterness D, Szumlanski C, Lennard L (1997) Human thiopurine methyltransferase pharmacogenetics: gene sequence polymorphisms. *Clin Pharmacol Ther* 62: 60-73.
35. Yates CR, Krynetski EY, Loennechen T (1997) Molecular diagnosis of thiopurine S-methyltransferase deficiency: genetic basis for azathioprine and mercaptopurine intolerance. *Ann Intern Med* 126: 608-614.
36. Black AJ, McLeod HL, Capell HA (1998) Thiopurine methyltransferase genotype predicts therapy-limiting severe toxicity from azathioprine. *Ann Intern Med* 129: 716-718.
37. Bielinski SJ, Olson JE, Pathak J, Weinshilboum RM, Wang L, et al. (2014) Preemptive genotyping for personalized medicine: design of the right drug, right dose, right time-using genomic data to individualize treatment protocol. *Mayo Clin Proc* 89: 25-33.
38. Ji Y, Skierka JM, Blommel JH, Moore BE, VanCuyk DL, et al. (2016) Preemptive Pharmacogenomic Testing for Precision Medicine: A Comprehensive Analysis of Five Actionable Pharmacogenomic Genes Using Next-Generation DNA Sequencing and a Customized CYP2D6 Genotyping Cascade. *J Mol Diagn* 18: 438-445.