

This week in therapeutics

| Indication | Target/marker/ pathway | Summary | Licensing status | Publication and contact information |
|-------------------------------|---|---|------------------|---|
| Cardiovascular disease | | | | |
| Deep vein thrombosis (DVT) | <i>Cytochrome P450, family 4, subfamily V, polypeptide 2 (CYP4V2)</i> | A genome-wide association analysis using three large case-control studies identified seven SNPs associated with risk for DVT that might offer targets to treat disease. Genotyping of about 20,000 SNPs in about 8,200 individuals identified 3 SNPs associated with DVT: rs13146272 in <i>CYP4V2</i> , rs2227589 in <i>SERPINC1</i> and rs1613662 in <i>GP6</i> ($p < 0.05$ for all). In the region near <i>CYP4V2</i> , four additional SNPs were associated with both DVT and levels of clot-promoting enzyme factor XI. Further studies could explore interactions between SNPs and identify functional consequences of the polymorphisms. | Not applicable | Bezemer, I. <i>et al. JAMA</i> ; published online March 18, 2008; doi:10.1001/jama.299.11.1306 Contact: Frits R. Rosendaal, Leiden University Medical Center, Leiden, the Netherlands e-mail: f.r.rosendaal@lumc.nl |