

Association Mapping

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- find genes associated with diseases or other traits
- assess relative risk based on genotype (personalized medicine)

- Association mapping
 - look at associations at a few loci (you have *a priori* candidates)

- **Genome Wide Association Mapping (GWAS)**

- scan the whole genome for associations

• Take advantage of historical combination

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Many GWAS publications

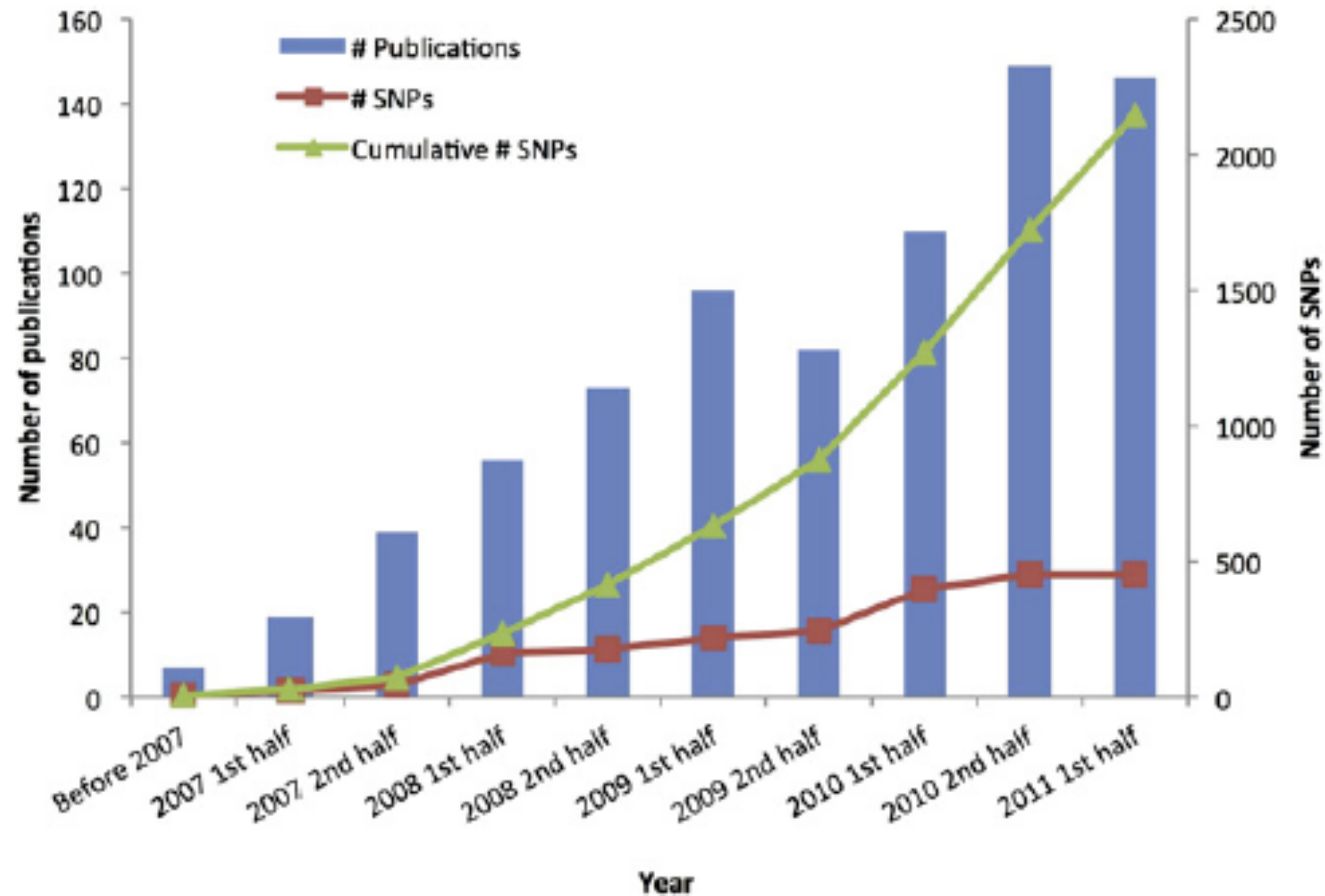


Figure 1. GWAS Discoveries over Time