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Genetic dependencies in hereditary and sporadic melanoma

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Genetic dependencies in hereditary and sporadic melanoma

Eirini Christodoulou

1. “*NEK11* is a novel but rare high-penetrance melanoma susceptibility gene” – This thesis
2. “Digital PCR assays targeting SNPs provided precise quantification of allelic imbalance in FFPE tissue samples allowing the determination of *CDKN2A* loss-of-heterozygosity”- This thesis
3. “To control for allelic imbalance and loss in 9p21, the 9q region was targeted by amplifying a SNP located within the intronic region of *GNAQ*”- This thesis
4. “Subclones of nevi with bi-allelic *CDKN2A* loss are likely to be more prone to progress to melanoma”- This thesis
5. “Genetic dependencies in melanoma, identified through CRISPR-Cas9 screening technology, may serve as potential therapeutic targets” - This thesis
6. “Engineering of *CDKN2A* deletions results in invasive phenotypes of melanocytic tumors” – Zeng et al., 2018
7. “The variable occurrence of pancreatic cancer in *p16-Leiden* mutated families suggests contribution of modifying factors to cancer risk” -Vasen et al., 2000
8. “Digital PCR is a valid technique to calculate the percentage of cells with a specific chromosomal alteration, allowing the deduction of sequence of events”- de Lange et al., 2015
9. “Genome editing by CRISPR-Cas9 technology has allowed extending large-scale pharmacogenomic screenings beyond currently druggable targets with precision and scale” – Evers et al., 2016
10. “This above all: to thine own self be true, and it must follow, as the night the day, thou canst not then be false to any man” William Shakespeare (1564-1616), so long as we remain loyal to ourselves first and then to others, we may live a noble life.
11. “What we repeatedly do is what we are. Excellence, then, is not an act, but a habit” - Aristotle (384-322 BC), so long as we stay productive and healthy in our everyday life it then becomes who we are
12. “By believing passionately in something that still does not exist, we create it. The nonexistent is whatever we have not sufficiently desired” - Nikos Kazantzakis (1946), Even the most burdensome accomplishments are possible with great ambition.
13. Failure is not the contrary of success, it is part of it. With trial and error, there is always a way.