

Angiogenic and Metastatic Determinants of Malignant Melanoma

1. Profiling biological properties of tumor cells is a powerful approach to identify pathophysiological determinants. (this thesis)
2. Melanoma specific survival factors promote long term endothelial cell survival and facilitate melanoma induced angiogenesis. (this thesis)
3. TIMP3 regulates multiple aspects of melanoma progression. (this thesis)
4. Directional cell migration is indicative of tumor aggressiveness. (this thesis)
5. The eNOS-Tag-GFP mouse is a specific and useful model to study endothelial cell behavior *in vivo*. (this thesis)
6. Populations of tumor cells display remarkable variability in almost every discernable phenotypic trait, including clinically important phenotypes such as ability to seed metastases and to survive therapy.
- Andriy Marusyk *et al.*, *Nature Reviews Cancer*, 2012
7. In all affairs it's a healthy thing now and then to hang a question mark on the things you have long taken for granted.
- Bertrand Russell
8. They've done studies, you know. 60% of the time, it works every time.
- Brian Fantana, *Anchorman: The Legend of Ron Burgundy*
9. A learning experience is one of those things that says, 'You know that thing you just did? Don't do that.'
- Douglas Adams, *The Salmon of Doubt*
10. And those who were seen dancing were thought to be insane by those who could not hear the music.
- Friedrich Nietzsche
11. In the depth of winter, I finally learned that within me there lay an invincible summer.
- Albert Camus