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Systems biology as a compass to understand cancer-immune interactions in humans

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Citation

Roelands, J. (2022, June 29). *Systems biology as a compass to understand cancer-immune interactions in humans*. Retrieved from <https://hdl.handle.net/1887/3420985>

Version: Not Applicable (or Unknown)

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Stellingen behorende bij het proefschrift

**Systems biology as a compass to understand
cancer-immune interactions in humans**

1. In theory, all colon cancers could be responsive to immunotherapy by immunogenic conversion of the tumor by choosing the right combination therapy (*this thesis*).
2. Evaluation of immune signatures in cancer is more relevant when one also takes into account characteristics of the tumor (*this thesis*).
3. The occurrence of immunoediting in a tumor is a positive sign, as it reflects antitumor immune activity (*this thesis*).
4. It is important to account for ancestry-specific molecular attributes in breast cancer research in order to guide precision cancer medicine (*this thesis*).
5. Understanding physiological mechanisms of immune regulation helps us to better comprehend immune escape mechanisms that tumors use to evade the immune system.
6. Sharing data underlying a manuscript is just as, or potentially even more valuable to the scientific community than the main research findings itself.
7. Complex approaches often lead to complex results that are hard to interpret, beauty lies in simplicity.
8. The collection, processing, quality control of samples and genomics data, and meticulous documentation of the work are tasks that are often under-appreciated but are essential to obtain new biological insights.
9. The choice for the best visual representation of data is essential in order to uncover unexpected relationships.
10. Creativity comes with a messy desk.
11. A Philosophical Doctorate requires hard work, dedication, perseverance, but most of all, is a lot of fun.