Lighting up cancer aggressiveness: targeting the urokinase plasminogen activator receptor for intraoperative optical imaging

Baart, V.M.

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STELLINGEN

behorende bij het proefschrift:

Lighting Up Cancer Aggressiveness
Targeting the urokinase plasminogen activator receptor for intraoperative optical imaging

1. The urokinase plasminogen activator receptor (uPAR) is a valuable addition to the surgeon’s pallet of molecular imaging targets (this thesis).

2. Peak intensity and mean fluorescence intensity are underappreciated outcome variables in evaluating novel near-infrared fluorescence tracers for molecular imaging (this thesis).

3. Designing novel tracers for molecular imaging should take receptors and epitopes into account (this thesis).

4. uPAR’s potential as a diagnostic target includes pathologies with extracellular matrix remodeling as hallmark (this thesis).

5. ‘One-size-fits all’ might work for clothes, but not for tumor tracers.

6. Not every tumor needs fluorescence guided surgery.

7. Nuclear and fluorescent tracers should be designed in parallel.

8. Therapeutic research should focus on the use of uPAR as target for payload-delivery.


10. “I think we’re going to the moon because it’s in the nature of the human being to face challenges. It’s by the nature of his deep inner soul. We’re required to do these things just as salmon swim upstream” (Neil Armstrong 1930 – 2012) en grenzen opzoeken verrijkt ons leven en maatschappij.

11. “Weekends don’t count unless you spend them doing something completely pointless” (Calvin in Calvin and Hobbes, by Bill Watterson) niet alles wat wij doen hoeft nuttig te zijn.