

Cisplatin resistance in urothelial carcinoma

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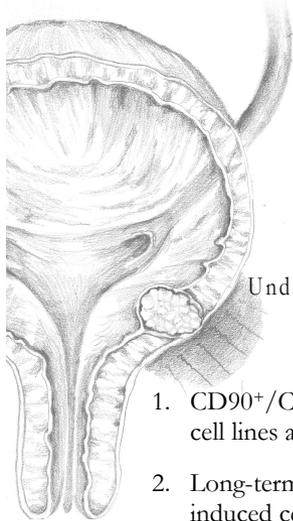
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Propositions

belonging to the thesis

Cisplatin resistance in urothelial carcinoma

Understanding and targeting inherent and acquired mechanisms

1. CD90⁺/CK14⁺ do not specifically mark cancer stem cells in urothelial carcinoma cell lines and do not correlate under various conditions (*this dissertation*).
2. Long-term cisplatin treated urothelial carcinoma cell lines (LTTs) evade cisplatin induced cell death through phenotypic plasticity towards an EMT-like phenotype (*this dissertation*).
3. Each LTT contains an individual assortment of resistance mechanisms at multiple levels (*this dissertation*).
4. Approaches targeting individual resistance mechanisms are only partly efficacious (*this dissertation*).
5. The chicken chorioallantoic membrane (CAM) assay is an attractive 3D model to study urothelial carcinoma and can be used as an alternative approach to murine *in vivo* studies; however, the short timing can be a limiting factor (*this dissertation*).
6. It is an old saying, abundantly justified, that where sciences meet there growth occurs. - *Sir Frederick Gowland Hopkins*
7. Success in research needs persistence and consequence.
8. I have not failed. I've just found 10,000 ways that won't work. - *Thomas Edison*
9. The conviction that the right approach to solve the task is to do it rationally does not prevent a scientist from hoping for unexpected lucky coincidence, serendipity.
10. A scientist in his laboratory is not a mere technician; he is also a child confronting natural phenomena that impress him as though they were fairy tales. - *Maria Skłodowska-Curie*
11. What people call serendipity sometimes is just having your eyes open. - *Jose Manuel Barroso*

Margaretha A. Skowron
Maastricht, June 7th, 2018

