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Modulating the behaviour of pancreatic tumour cells

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Propositions belonging to the thesis “Modulating the behaviour of pancreatic tumour cells”

1. Some of the genes that are activated during tumorigenesis are identical to some of the genes activated during embryogenesis. Examples of the processes regulated by these genes are migration, angiogenesis and metastasis (this thesis).
2. Genes that regulate cell motility can be involved in tumour dissemination; Interception of Lim-kinase 1 and 2 RNA results in partial- or complete abrogation of metastatic and angiogenic properties in pancreatic tumour cells (this thesis).
3. Both biological compounds and chemically synthesized substances were proven effective against malignant properties in pancreatic cancer cells after implantation in a zebrafish embryo (this thesis). Administration of a therapeutic is a symptomatic approach rather than a causal approach (unfortunately). The cause is located in the patients lifestyle, often influenced with present day society for pancreatic cancer is a disease of the western world.
4. Malignant- and anti-malignant properties can be found in the same (family of) genes (this thesis).
5. Malignancies are in fact adaptations that increase the survival of damaged tissue, because malignant properties emerge when genetic transcription has been adapted as response to a chronic irritation caused by a variety of triggers.
6. Intake of “comfort food”, often leading to obesity, can induce pancreatic cancer, because it continuously stresses the intestinal wall by changing the micro-environment of the intestinal cells. Also, intake of large quantities of food can lead to pancreatic anaplastic properties of pancreas cells by stimulating them to produce digestive juices in large quantities.
7. The seriousness of pancreatic cancer lies in the fact that when a patient is diagnosed as such, the average survival is under 6 months.
8. A diversity of bio-active compounds of various kinds are abundant in “whole product” mixtures derived from animals and plants. These resources have been underestimated and underappreciated for decades.
9. Earth is still the centre of the universe.