1. **SMAD2 and SMAD3 differentially affect breast cancer bone metastasis formation. This is mediated through a pro-angiogenic function of SMAD3 and an anti-angiogenic role of SMAD2 in tumorigenesis. (This thesis).**

2. **Continuous activation of BMP signaling in breast cancer cells inhibits breast cancer bone metastasis formation and tumor-induced osteolysis. Thus, the inhibitory effects of BMP-7 on progression of breast cancer bone metastasis may primarily be caused by direct effects on the cancer cells. (This thesis).**

3. **Inhibiting TGF-β signaling with a specific TGF-β receptor kinase inhibitor disrupts TGF-β-induced epithelial-mesenchymal transition. (This thesis).**

4. **Blocking TGF-β receptor signaling with a kinase inhibitor reduces renal fibrogenesis in vivo. (This thesis).**

5. **TGF-βs are key regulators of carcinogenesis. They can act as tumor suppressors at early stages and enhance malignant progression of invasive carcinomas at later stages. (Cui et al. Cell 1996; Massague Cell 2008).**

6. **Cell-autonomous TGF-β signaling is required for both induction and maintenance of in vitro invasiveness and metastasis during late-stage tumorigenesis. (Oft el at. Curr Biol 1998).**

7. **The notion that a mesenchymal state is required to maintain stemness opens new avenues to understand epithelial plasticity in health and disease. (Thiery et. al Cell 2009; Mani et al. Cell 2008).**

8. **When a plant goes to seed, its seeds are carried in all directions, but they can only live on congenial soil. (Paget Lancet 1889).**

9. **Science is built up of facts, as a house is built of stones, but an accumulation of facts is no more a science than a heap of stones is a house. (Henri Poincaré 1854-1912).**
10. I AM AMONG THOSE WHO THINK THAT SCIENCE HAS GREAT BEAUTY. A SCIENTIST IN HIS LABORATORY IS NOT ONLY A TECHNICIAN; HE IS ALSO A CHILD PLACED BEFORE NATURAL PHENOMENA WHICH IMPRESS HIM LIKE A FAIRY TALE. (Marie Curie 1867-1934)

11. TRUE SUCCESS IS NOT COMPROMISING CORE VALUES. (Jim Haycout Mount Everest climber).

12. MEMENTO VIVERE
LOVE WHILE YOU’VE GOT
LOVE TO GIVE.
LIVE WHILE YOU’VE GOT
LIFE TO LIVE. (Piet Hein 1905-1996).

Maj Petersen
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