

Stellingen behorende bij het proefschrift

**Novel insights into vitamin D enhanced mineralization  
– interplay with inhibitors –**

1. In the pre-mineralization phase  $1\alpha,25$ -dihydroxyvitamin D<sub>3</sub> modulates osteoblast differentiation subsequently leading to accelerated mineralization. (This thesis)
2. In human pre-osteoblasts, a single interferon  $\beta$  treatment is as effective as multiple treatments on the reduction of mineralization. (This thesis)
3.  $1\alpha,25$ -dihydroxyvitamin D<sub>3</sub> prevents the deleterious effects of interferon  $\beta$  on mineralization. (This thesis)
4. Although  $1\alpha,25$ -dihydroxyvitamin D<sub>3</sub> stimulates mineralization, it simultaneously induces inhibitors of mineralization. (This thesis)
5.  $1\alpha,25$ -dihydroxyvitamin D<sub>3</sub> stimulates matrix vesicles production to support enhanced mineralization. (This thesis)
6. Resveratrol has protective effects on coronary heart disease and is positively correlated with bone density (Pace-Asciak, 1995 and De Lorimier, 2000).
7. Ninety percent of our required vitamin D is produced upon exposure to sunlight (Holick, 1994).
8. Vitamin D is one of the oldest hormones on the planet (Steenbock and Black, 1925).
9. Das Gleiche läßt uns in Ruhe, aber der Widerspruch ist es, der uns produktiv macht. (Goethe)
10. Like in evolution, great progresses within research are driven by outstanding events.
11. Goed ingeburgerde Duitsers in Nederland spreken met een koninklijk accent.

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