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Development of personalized health monitoring using ultra-weak photon emission based on systems medicine concepts

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Propositions

1. Measuring ultra-weak photon emission (UPE) is a non-invasive method for recording the physiological state of living organisms. Chapter 1.
2. Linking UPE with traditional Chinese medicine (TCM)-based concepts open new avenues for studying systems-based diagnostics and intervention on a personalized basis. Chapter 1&2.
3. UPE is a suitable tool for detecting early-stage type 2 diabetes. Chapter 3.
4. Delayed luminescence (DL) is a rapid and systematic methodology for characterization of dried herbs. Chapter 4, 5&6.
5. UPE research of humans will allow a better understanding of the body as a complex dynamical system. (Van Wijk, J. Photochem. Photobiol., B, 2014)
6. Systems biology focuses on developing and understanding of how phenotypic behavior of the system emerging from the components and their interactions. (Sobie, Science Signaling, 2011)
7. Personalized diagnosis is key to transform conventional medical concepts of “one disease, one target” and “one-size-fits-all” to personalized medicine. TCM concepts can significantly contribute to this. (Schroën, Science, 2014).
8. TCM plays an important role in health promotion for people in Asia and is becoming more frequently used in other countries. Despite their growing popularity, more scientific evidence for the efficacy and safety is urgently needed. (Cheung, Nature, 2011)
9. Family and hometown are the most important treasures in life.
10. Science is like chasing stars in the night sky, with an innocence like a child.