

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/19086> holds various files of this Leiden University dissertation.

**Author:** Hu, Chiuxiu

**Title:** Systems biology for evaluating system-based medicine

**Issue Date:** 2012-06-14

## Stellingen (Propositions)

Behorende bij het proefschrift

### **Systems biology for evaluating system-based medicine**

1. The importance of validation of analytical methods in pathophysiological and preclinical studies cannot be underestimated. (*This thesis*)
2. Lipid metabolism is an important reflection of the metabolic status of living biological systems in health and disease. (*This thesis*)
3. Systems Biology provides a tool to study multi-target pharmacological effects derived from modern Chinese medicine and opens the gateway to design synergetic medicines in the future. (*This thesis*)
4. *Panax ginseng* root shows growth and age-dependent therapeutic effects on hyperlipidemia and hyperglycemia in type 2 diabetic rats, emphasizing the need of quality control in scientific studies and product development. (*This thesis*)
5. Herbal medicine is an important source of scientific knowledge for integration of health promotion strategies with disease management expertise. (*This thesis*)
6. Novel approaches in analytical chemistry and bioinformatics for the analysis of lipids at the systems level enable the understanding of disease progression and drug response. (*This thesis and M.R. Wenk, Nature review 2005; 4: 594-610*)
7. Preventive and personalized medicine will be essential for improving health care in terms of quality of life and health economics. (*K. Ekroos, et al. Curr Atheroscler Rep 2010; 12: 273-281*)
8. The biggest challenge of getting closer to the whole picture is comprehensive and quantitative data on component concentrations. (*U Sauer, et al. Science 2007; 316: 550-551*)
9. It is better to retire and weave a net, than to stand by a pond longing for fish. (*Ban Gu*)
10. A conclusion is the place where you got tired of thinking. (*Arthur McBride Bloch*)

Chunxiu Hu  
Leiden, June 14, 2012