

# Human thermoregulation; A synergy between physiology and mathematical modeling

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Stellingen behorende bij het proefschrift:

# **Human Thermoregulation**

## a synergy between physiology and mathematical modelling

- 1) We are all exposed to our ambient environment, yet some are more exposed than others. (Chapter 2)
- 2) Especially lean elderly should pay attention to their ambient environment. (Chapter 4)
- 3) If neuronal firing rates are the words of the brain, we try to find its language. (Chapter 5)
- 4) In silico models help to identify the complex interactions in physiological systems, such as between tissue temperature and energy expenditure. (Chapter 7)
- 5) Humans need simplification, whereas nature does not. (based on Chatton's anti-razor 1290-1343)
- 6) Living things pay for their privileges of emancipation from the second law of thermodynamics by increasing the flux of energy degradation more than if the universe were all inanimate (after Burton and Edholm, man in a cold environment, Edward Arnold LTD, 1953)
- 7) U and I form a network, where  $U \neq I$ . (based on Vaessen et al. Neuroimage 2010, 51(3) 1106-16.)
- 8) Experience is a wonderful thing; it makes you recognize a mistake when you make it again.
- 9) Who stands for nothing, falls for anything. (Alex Hamilton, 1978)
- 10) Stress is a good indication that the context of thought is too small.

Boris Kingma, vrijdag 27 januari 2012