

**Statements accompanying the thesis:  
“Dynamics of mammalian X and Y chromosomes in evolution and development”**

**Stellingen behorend bij het proefschrift:  
“Dynamics of mammalian X and Y chromosomes in evolution and development”**

- 1 HR6B plays an important role in the global regulation of transcriptional activity of the sex chromosomes during postmeiotic germ cell development in male mice. (This thesis)
- 2 Meiotic and postmeiotic silencing of the X chromosome is more effective in chimpanzee spermatogenesis than in human spermatogenesis. (This thesis)
- 3 RNF12 activates X chromosome inactivation by ubiquitinating the pluripotency factor REX1, and thereby targeting it for proteolytic degradation. (This thesis)
- 4 In placental mammals, genetic sex determination came at a high price for the chromosome that carried the sex determining gene. (This thesis)
- 5 Translocation of the sex determining gene to an autosome and subsequent loss of the Y chromosome, in a placental mammalian species, will affect genome structure and composition. (This thesis)
- 6 The best defence against scientific fraud is science itself.
- 7 Aid of, or partnership with, dictatorial and totalitarian regimes that violate human rights is an indirect way of supporting human rights abuse.
- 8 By writing that “*Perhaps in the future there will be some African history to teach. But at the present there is none; there is only the history of Europeans in Africa. The rest is darkness, and darkness is not the subject of history.*”, the Oxford history professor Hugh Trevor-Roper showed lack of knowledge about the rich African history. (Hugh Trevor-Roper, 1963)
- 9 *All things are poison and nothing is without poison, only the dose permits something not to be poisonous.* Paracelsus (1493–1541)
- 10 Opinion polls threaten democracy to such an extent that sustainable policy cannot be implemented.
- 11 *First they came for the communists, and I didn't speak out because I wasn't a communist. Then they came for the trade unionists, and I didn't speak out because I wasn't a trade unionist. Then they came for the Jews, and I didn't speak out because I wasn't a Jew. Then they came for me, and there was no one left to speak out for me.* Martin Niemöller (1892–1984)

**Rotterdam, 20th June 2012**

**Eskeatnaf Mulugeta Achame**