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**X marks the spot: Structural and functional brain mapping in a genetically defined group at high risk of autism symptoms (47,XXY), and a comparison with idiopathic autism spectrum disorder**

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Stellingen behorend bij het proefschrift

*X marks the spot: Structural and functional brain mapping in a genetically defined group at high risk of autism symptoms (47,XXY), and a comparison with idiopathic autism spectrum disorder*

Marcia Naomi Goddard

1. The neural etiology of social dysfunction in 47,XXY differs from that of social dysfunction in idiopathic autism in (*this thesis*).
2. Boys with 47,XXY appear to show an inadequate neural compensatory mechanism aimed at connecting language with emotion (*this thesis*).
3. Effective treatment requires tailored interventions (*this thesis*).
4. Disentangling gene-brain-behavior relationships requires a multidisciplinary approach (*this thesis*).
5. As a rule, science should prioritize cooperation over competition.
6. Clinical relevance trumps statistical significance.
7. Good scientists do not necessarily give the right answers. They ask the right questions.
8. Everything we do, every thought we've ever had, is produced by the human brain. But exactly how it operates remains one of the biggest unsolved mysteries, and it seems the more we probe its secrets, the more surprises we find. (*Neil deGrasse Tyson*)
9. In vivo veritas. (*In life there is truth.*)
10. Valid criticism does you a favor. (*Carl Sagan*)
11. Sometimes it is the people who no one imagines anything of, who do the things that no one can imagine. (*from The Imitation Game*)
12. Wonder is the seed of knowledge (*Francis Bacon*)