



University of Groningen

Two sides to every story

Beking, Tess

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version Publisher's PDF, also known as Version of record

Publication date: 2018

Link to publication in University of Groningen/UMCG research database

Citation for published version (APA):

Beking, T. (2018). Two sides to every story: Sex hormones, brain lateralization and gender development. Rijksuniversiteit Groningen.

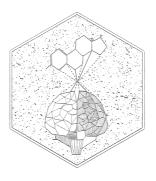
Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: https://www.rug.nl/library/open-access/self-archiving-pure/taverneamendment.

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): http://www.rug.nl/research/portal. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Download date: 21-06-2022



PROPOSITIONS

There are more than two sides to lateralization and gender

1. The effect of sex hormones differs between boys and girls, testosterone and estradiol, the left and right hemisphere, and the prenatal and pubertal period.

It's all about finding crossroads when there are more than two sides:

- 2. Cross-talk between experimental animal studies and human studies is needed to understand the influence of sex hormones on brain lateralization.
- 3. Cross-sex hormone treatment in persons diagnosed with gender dysphoria offers a unique way to investigate the effect of hormone manipulation in humans.

If the human brain were so simple that we could understand it, we would be so simple that we couldn't –Emerson M. Pugh

- 4. There should be more attention for the role of estradiol in the sexual differentiation of brain and behavior of humans.
- 5. Brain lateralization and gender development are very different traits of sexual differentiation, but there are parallels in the effects of sex hormones on both.
- 6. Cross-sex hormone treatment is in the first place meant to change the physical appearance, but its effects on the brain should be taken into account too.

"Think left and think right and think low and think high. Oh, the things you can think up if only you try" –Dr. Seuss

- 7. Science would take enormous steps if all scientists would share their data.
- 8. Creativity is connecting and extrapolating ideas. This creativity is needed for science, but could also be used to communicate science in a more appealing way.
- 9. The prescription that PhD students should wear muted colours during their own PhD ceremony is outdated.