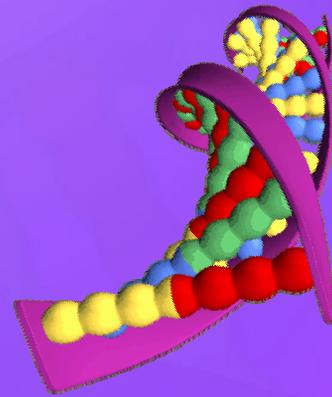




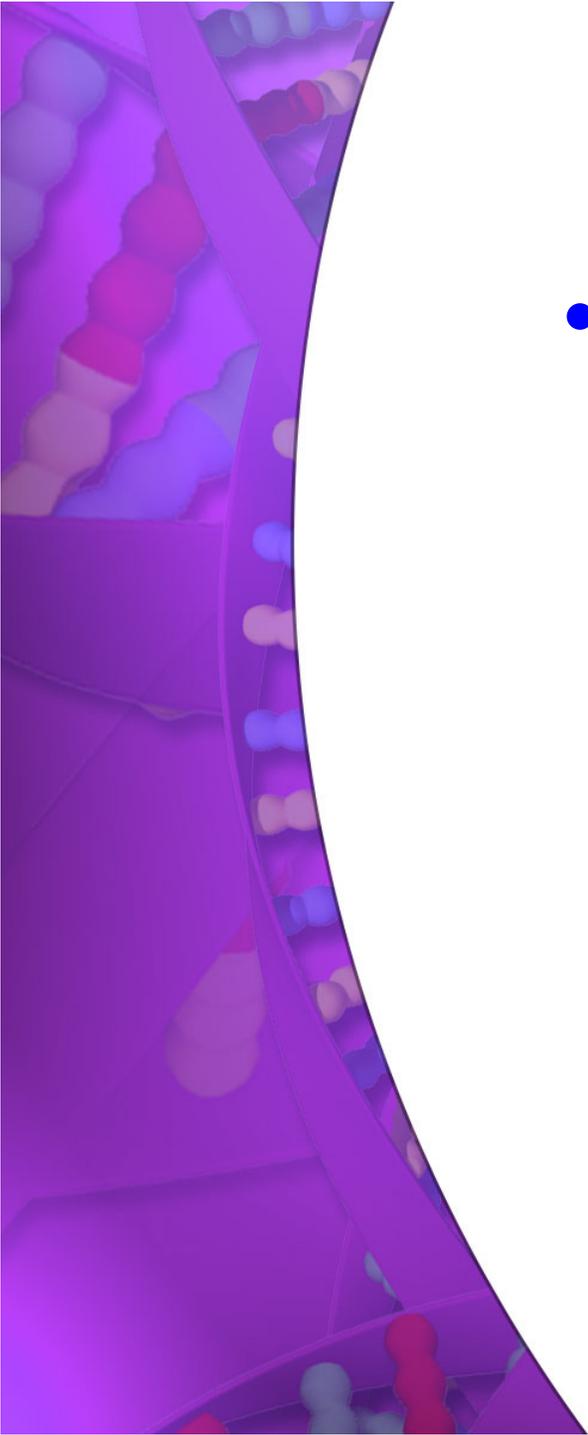
BORN that Way



Graphics: Mrs BK Whitehead



N.E.Whitehead
Lower Hutt, New Zealand
2006

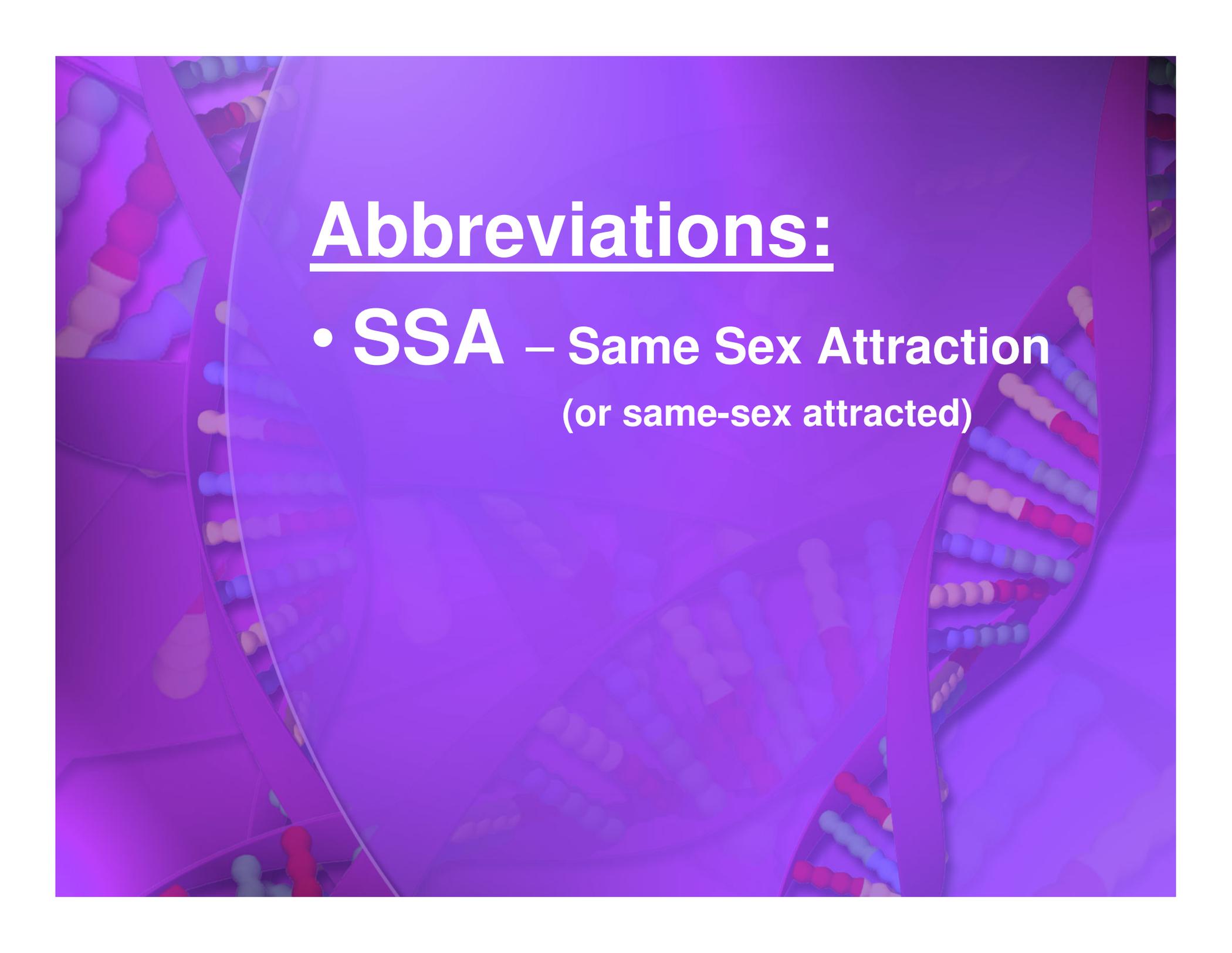
- 
- **How to future-proof yourself against the media (!)**





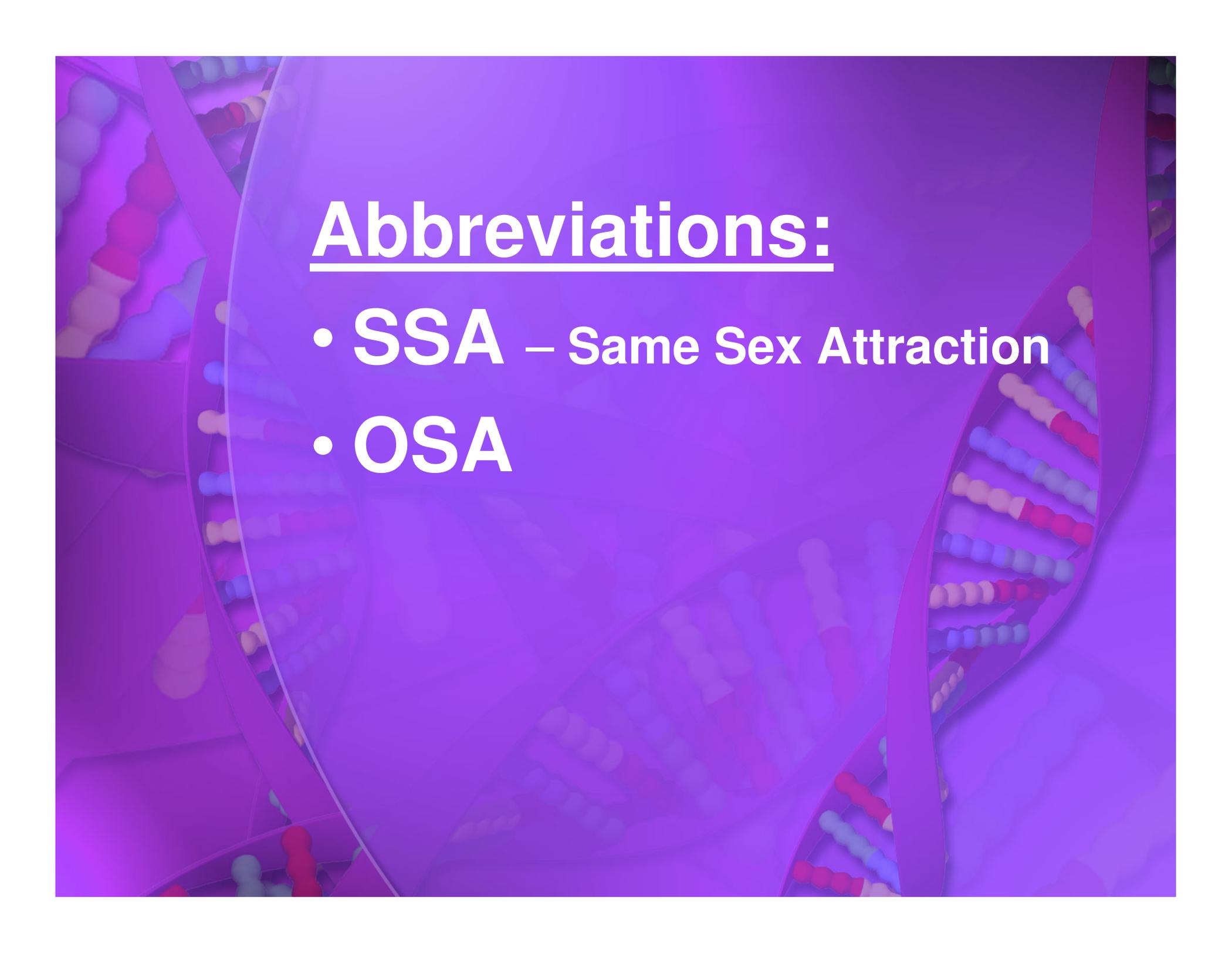
Abbreviations:

- **SSA**



Abbreviations:

- **SSA** – Same Sex Attraction
(or same-sex attracted)



Abbreviations:

- **SSA** – Same Sex Attraction
- **OSA**



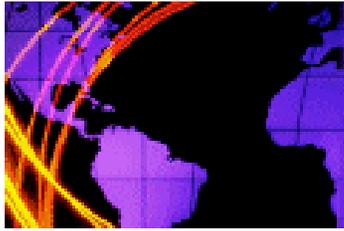
Abbreviations:

- **SSA** – Same Sex Attraction
- **OSA** - Opposite Sex Attraction
(or Opposite sex attracted)



BORN GAY

THE PSYCHOBIOLOGY OF SEX ORIENTATION
GLENN WILSON AND QAZI RAHMAN

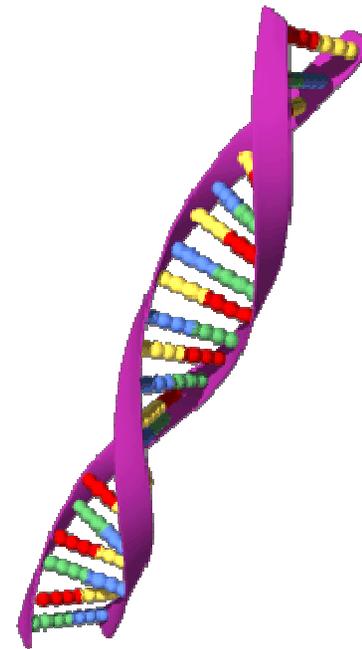


New Study Seen to Support 'Born Gay' Theory

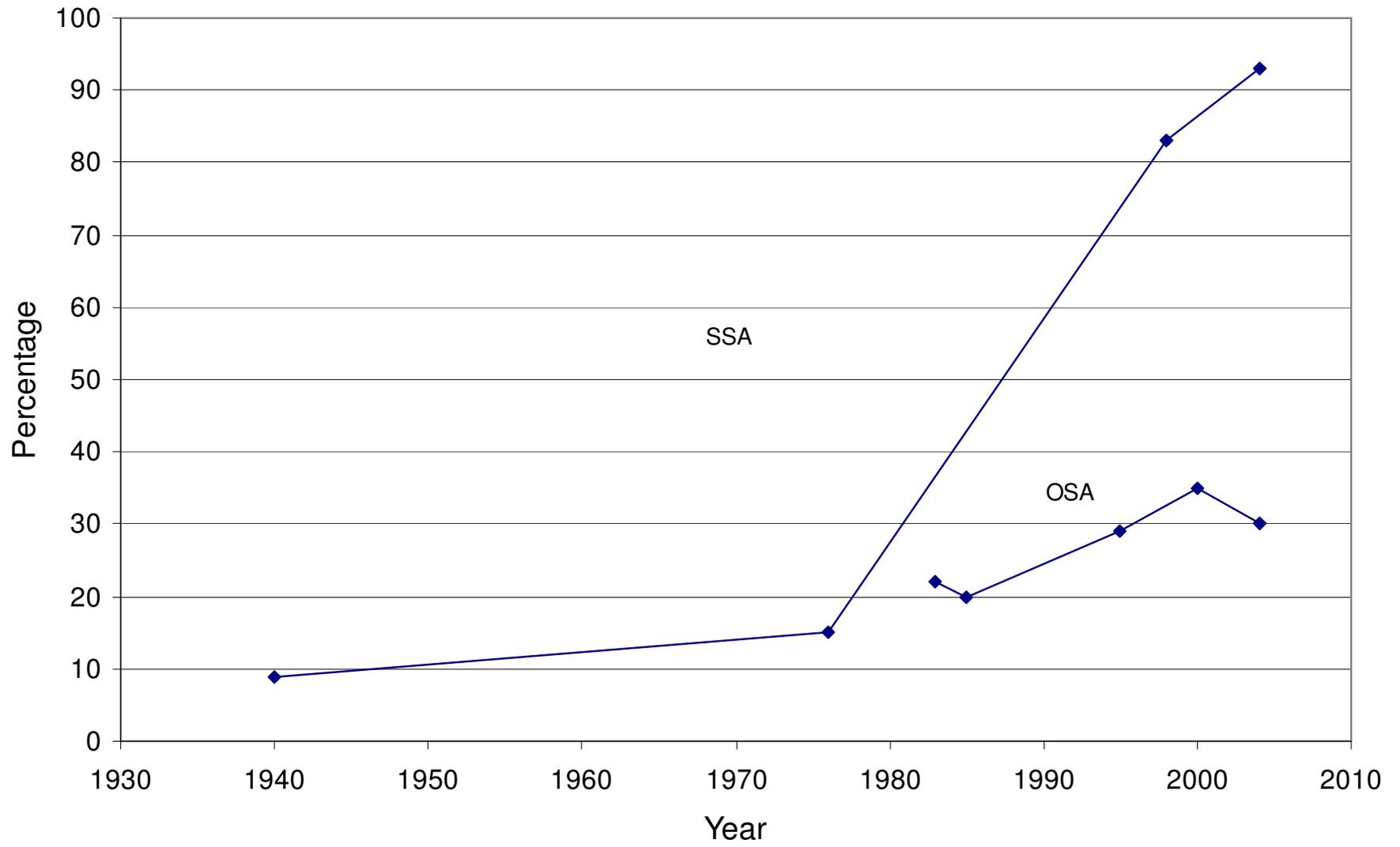
By Patrick Goodenough
CNSNews.com International Editor
June 27, 2006

(CNSNews.com) - A new study on homosexuality is being used to back up the contention that sexual orientation is determined in the womb and not by sociological factors.

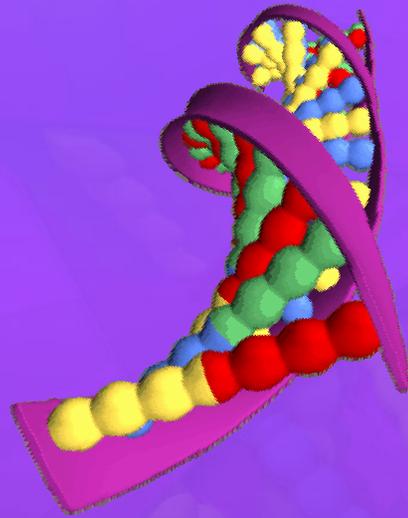
North American researchers say a study of almost 1,000 Canadian men found a link between homosexuality and the number of older brothers a man has. Such an association has been reported before, but in the past left open the possibility that both biological or sociological factors may play a role.



Belief in Genetics as a Source of SSA

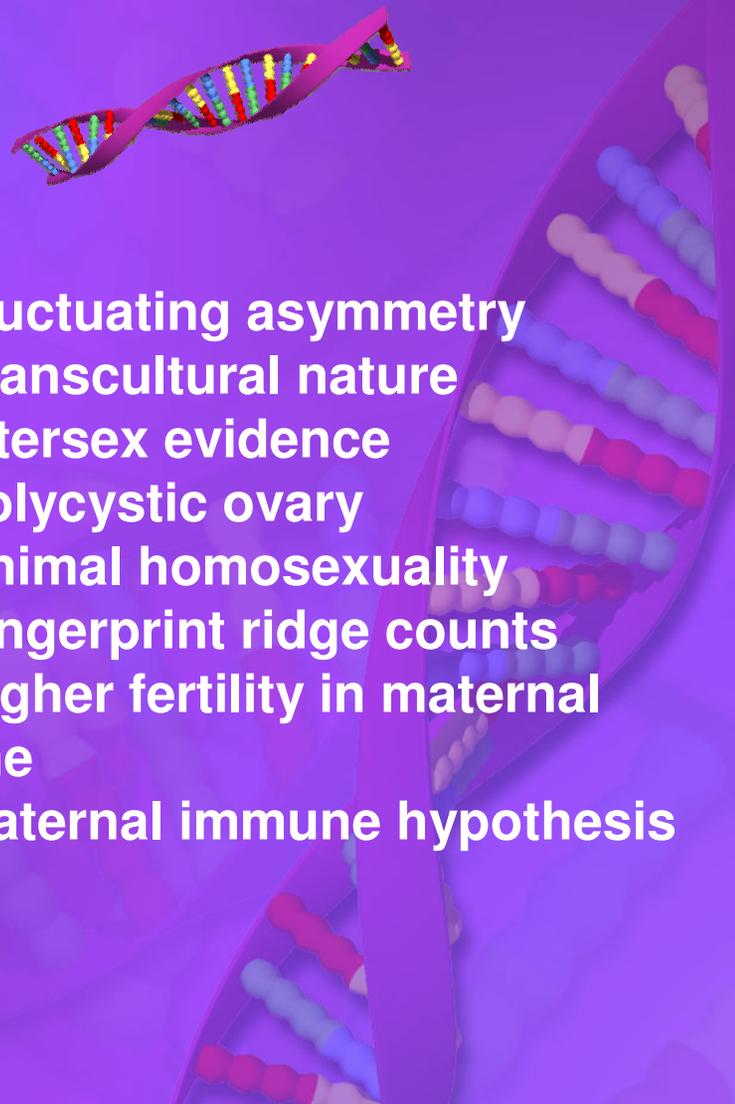


- **In 2015 most people will believe people with SSA are born that way**



Evidence of SSA Innateness

- Finger length
- Otoacoustic emissions
- Hair whorls
- Left handedness
- Brain anatomy
- Verbal/spatial skills
- Toddler toy preference
- Earlier puberty
- Genes found
- Elder brother effect
- Slimming pills in pregnancy
- Family Tendencies
- Effeminacy
- Skewed chromosome silencing in mothers

- 
- Fluctuating asymmetry
 - Transcultural nature
 - Intersex evidence
 - Polycystic ovary
 - Animal homosexuality
 - Fingerprint ridge counts
 - Higher fertility in maternal line
 - Maternal immune hypothesis



Intimidating?!

Evidence of SSA Innateness

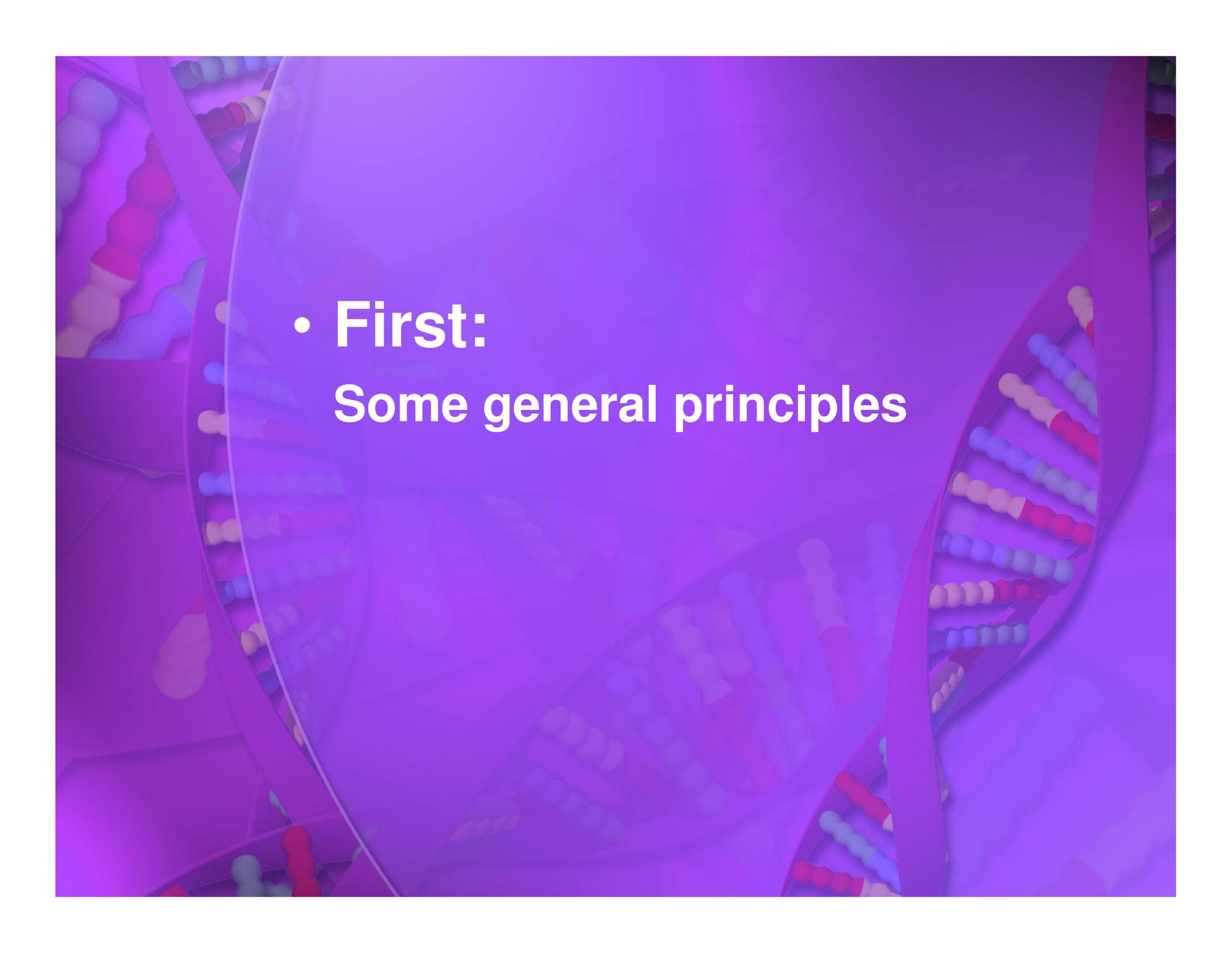
- **Finger length**
- Otoacoustic emissions
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- Slimming pills in pregnancy
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- Effeminacy
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- Higher fertility in maternal line
- Fluctuating asymmetry
- **Transcultural nature**
- **Intersex evidence**
- Polycystic ovary
- **Animal homosexuality**
- Fingerprint ridge counts
- Maternal immune hypothesis

- About a third of the connections prove on subsequent research to be just plain wrong. Some people are trying too hard!



Example:

- **Are there SSA genes? We will say “No”. None have been found so far. Some with weak influence may be found in future.**

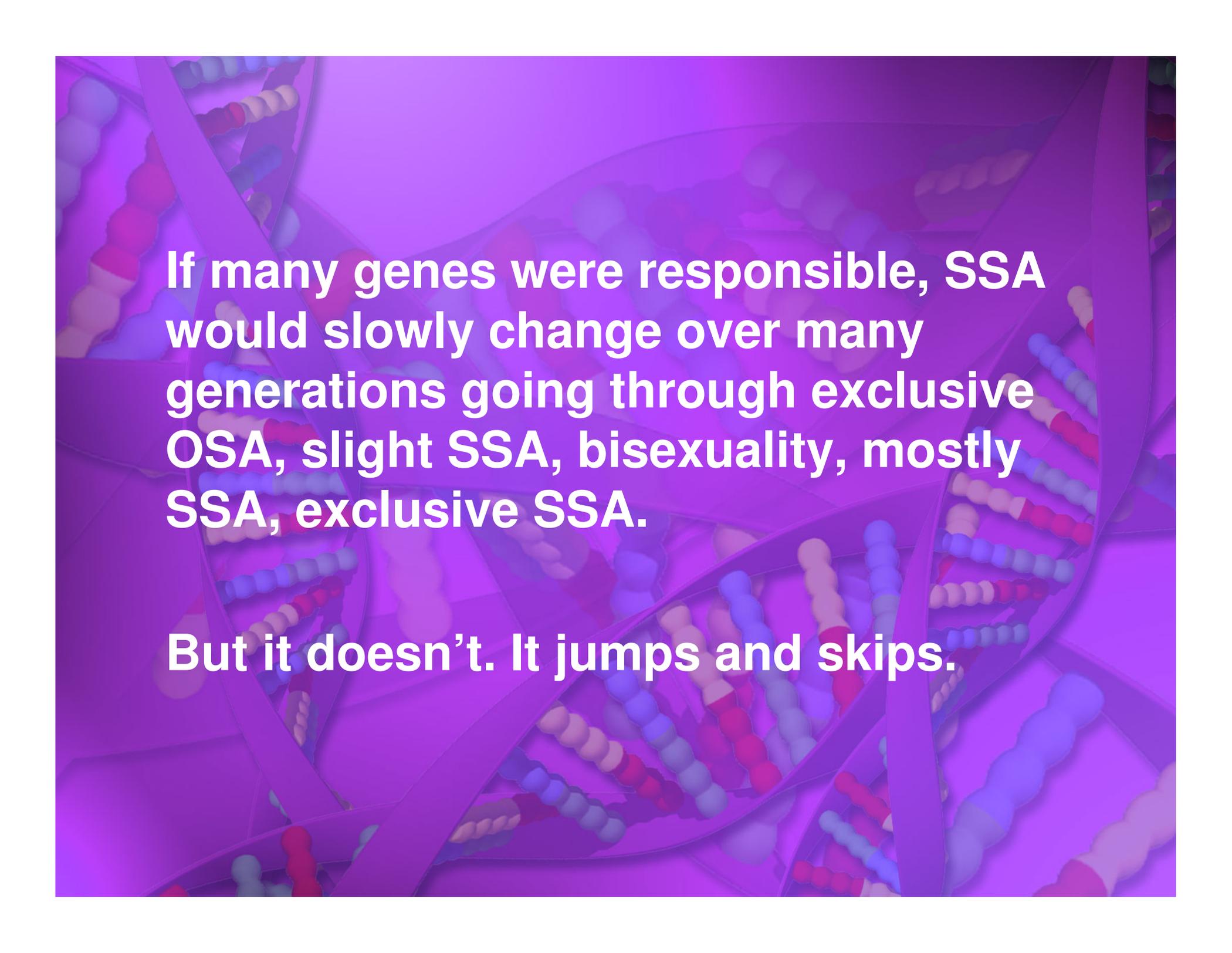
- 
- **First:**
Some general principles



- A genetically dominated SSA caused by a cluster of genes could not suddenly appear and disappear in families. It would stay around for many generations. Therefore SSA cannot be caused by a cluster of genes
- The occurrence of SSA is too frequent to be caused by a chance mutation in a single gene. Therefore SSA cannot be usually caused by a single gene
- The occurrence of SSA is too frequent to be caused by a faulty pre-natal developmental process, so it is not innate in that sense either

- A genetically dominated SSA caused by a cluster of genes could not suddenly appear and disappear in families. It would stay around for many generations. Therefore SSA cannot be caused by a cluster of genes,
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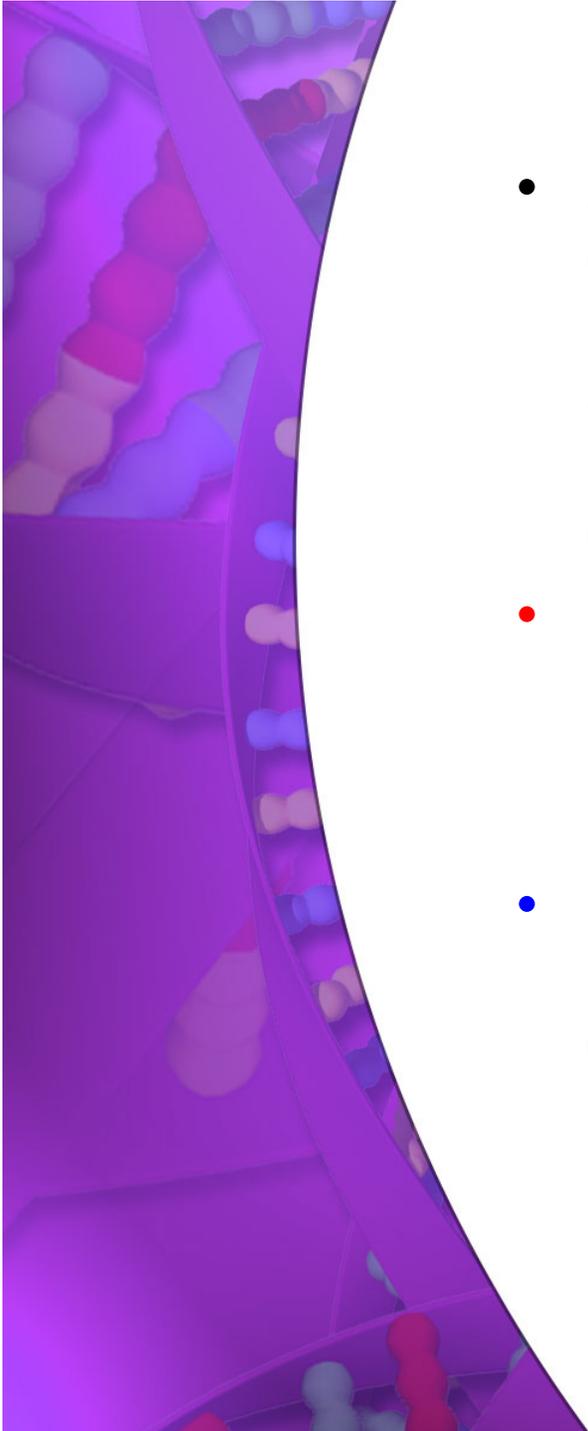
If many genes were responsible, SSA would slowly change over many generations going through exclusive OSA, slight SSA, bisexuality, mostly SSA, exclusive SSA.

But it doesn't. It jumps and skips.



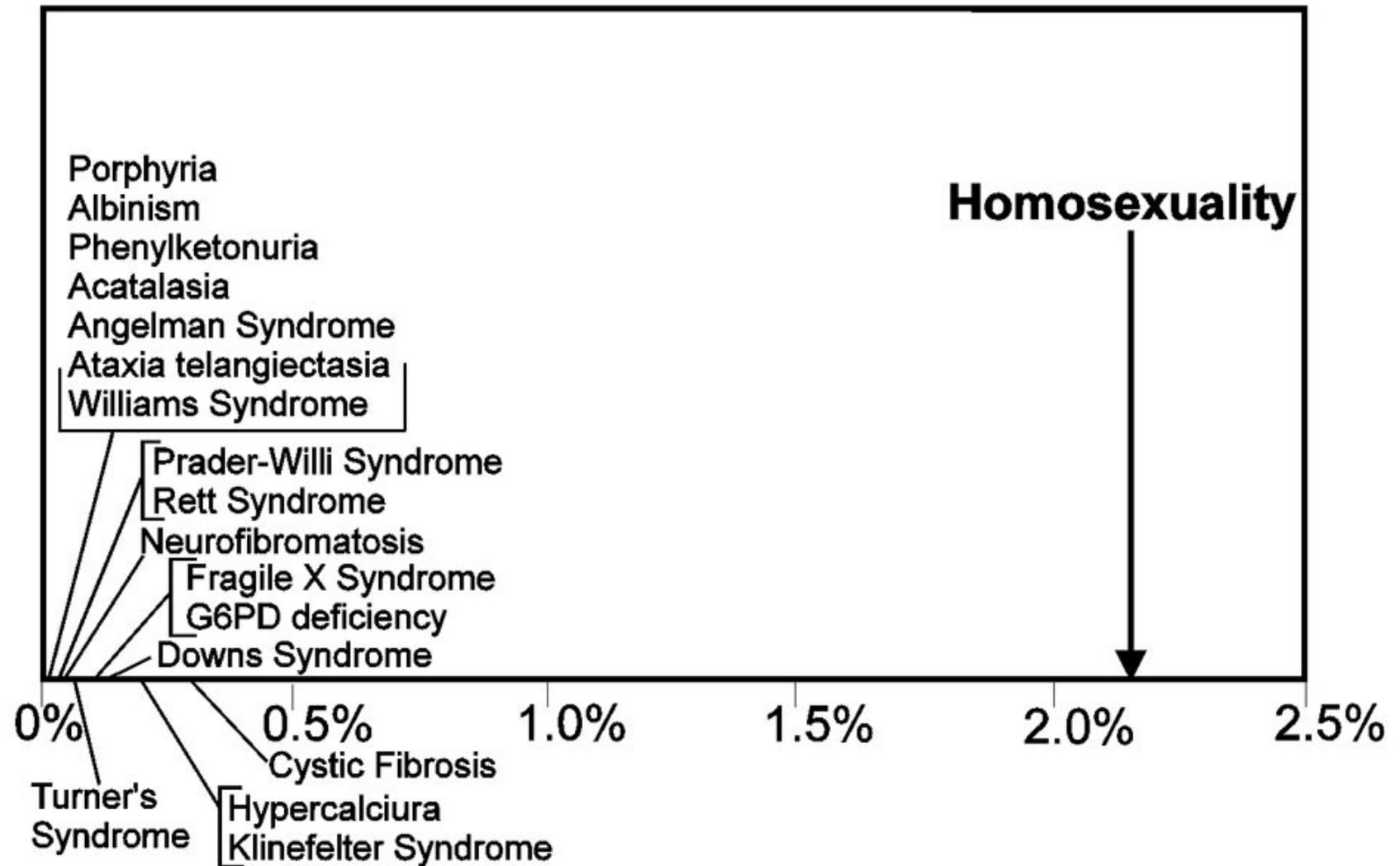
- **Conclusion:**

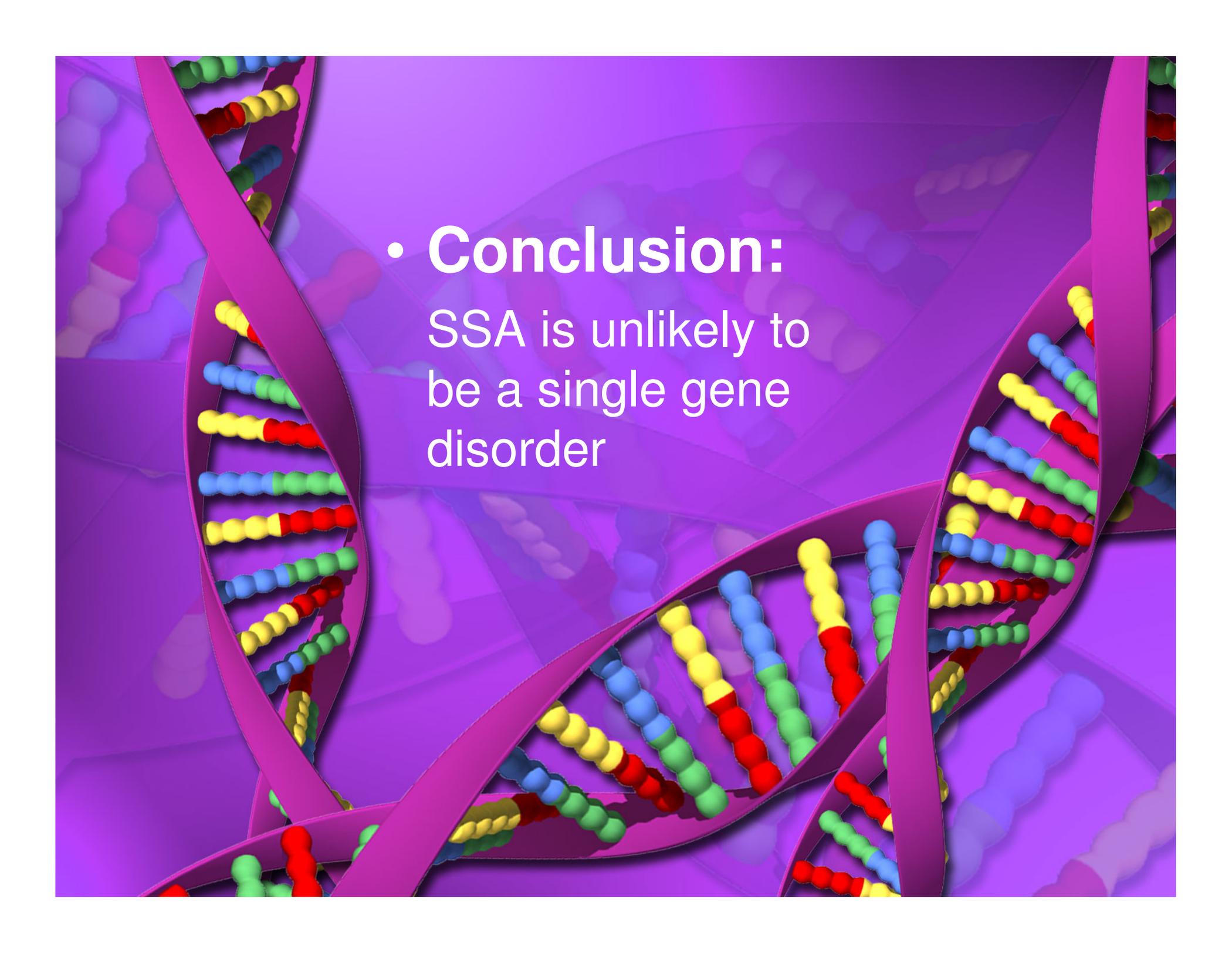
Many genes are probably not responsible



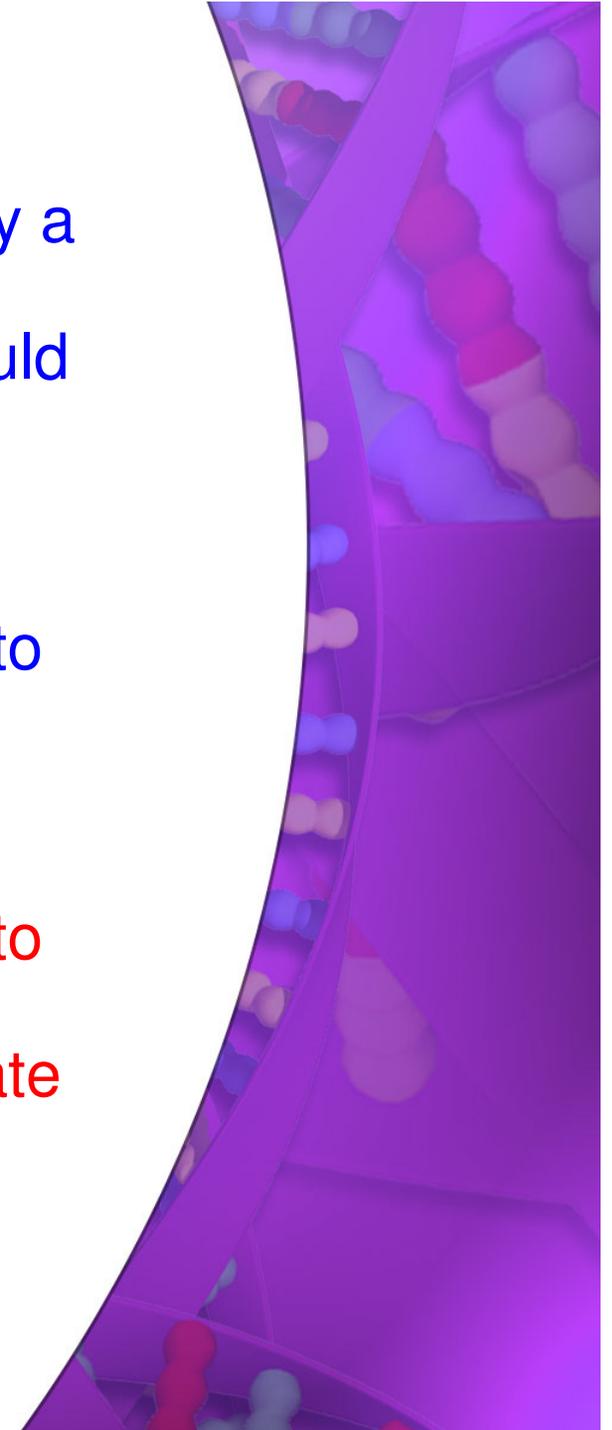
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Population Incidence of Genetic Disorders

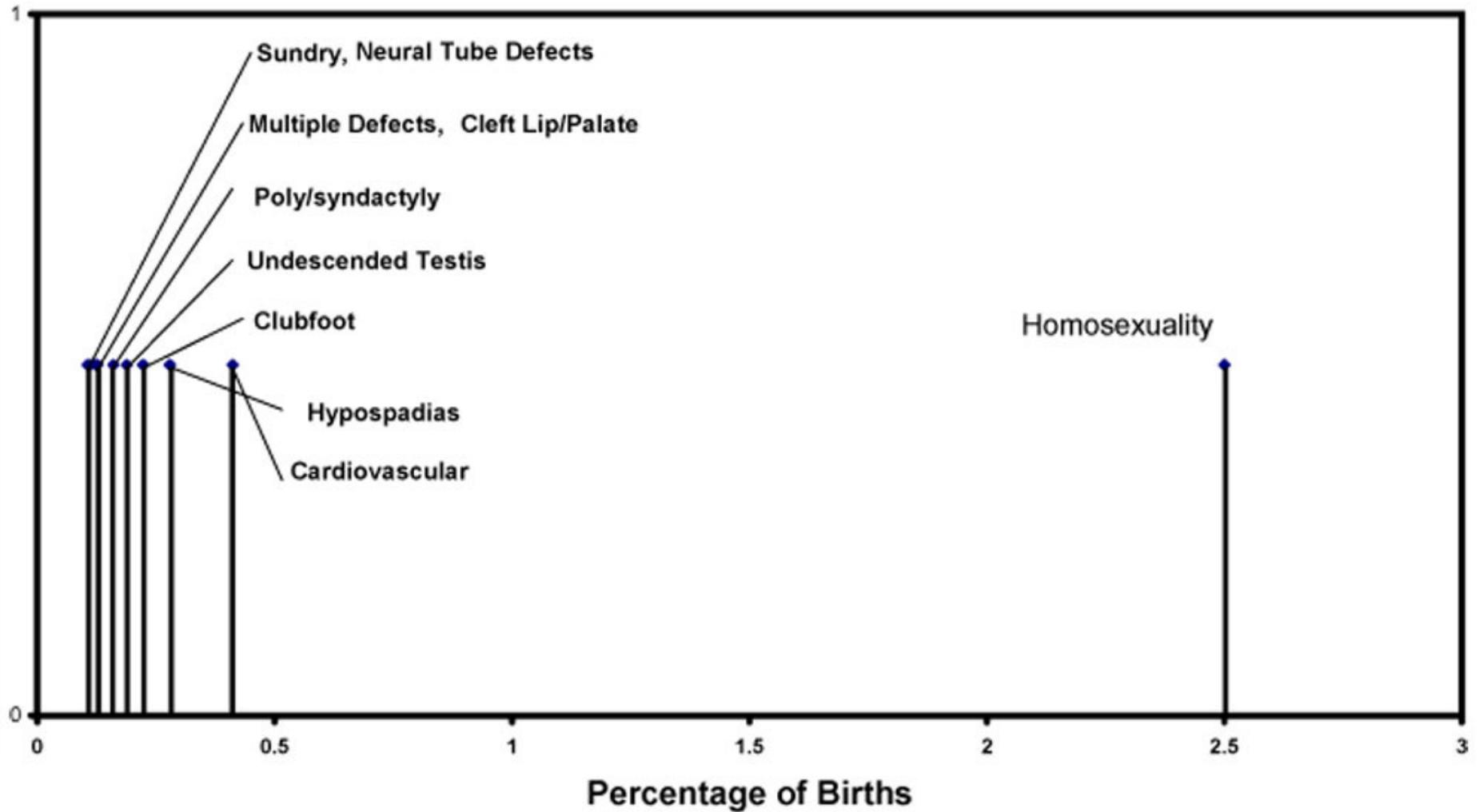


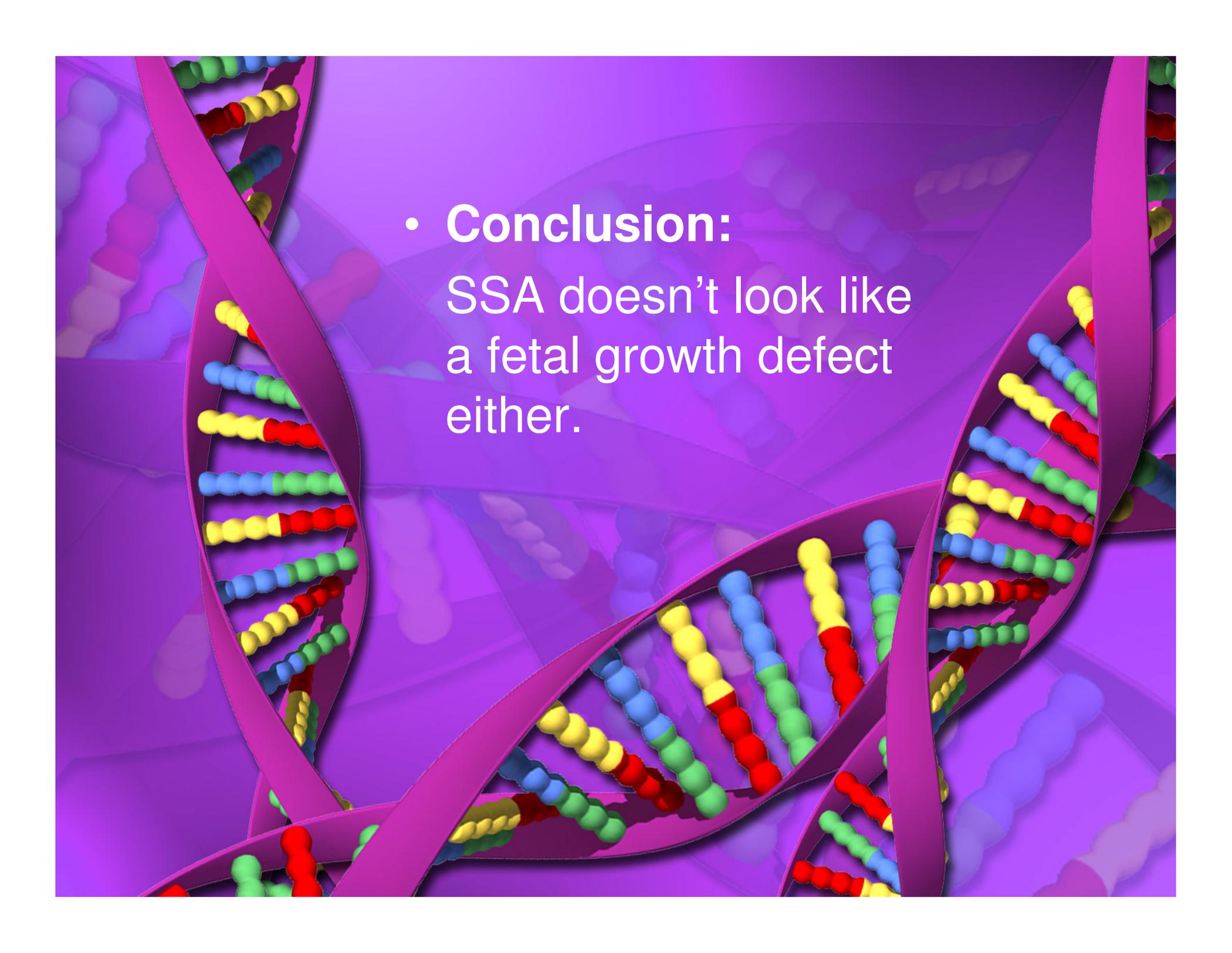
- 
- **Conclusion:**
SSA is unlikely to be a single gene disorder

- A genetically dominated SSA caused by a cluster of genes could not suddenly appear and disappear in families. It would stay around for many generations. Therefore SSA cannot be caused by a cluster of genes
- The occurrence of SSA is too frequent to be caused by a chance mutation in a single gene. Therefore SSA cannot be usually caused by a single gene
- The occurrence of SSA is too frequent to be caused by a faulty pre-natal developmental process, so it is not innate in that sense either.



Developmental Conditions

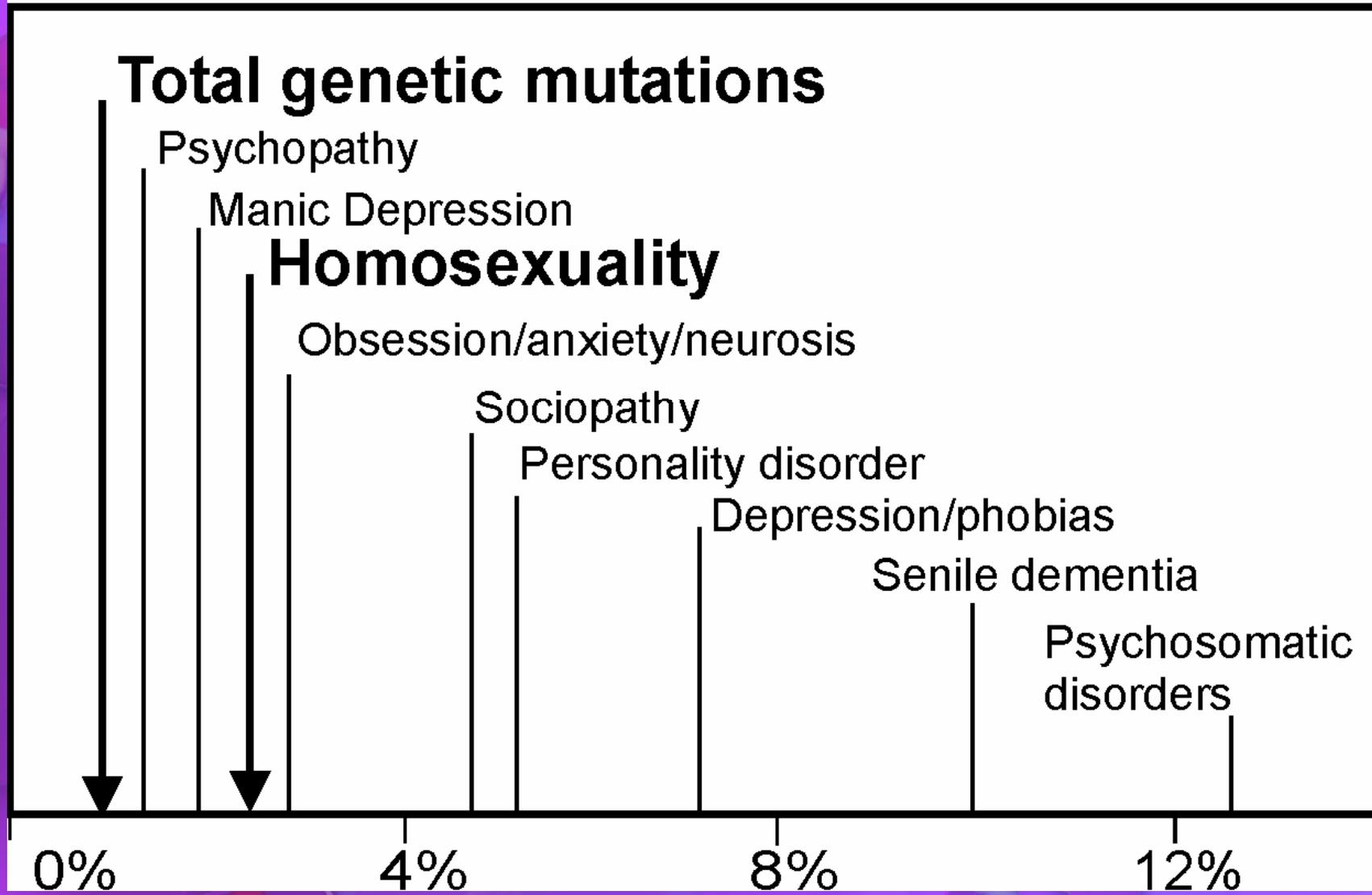


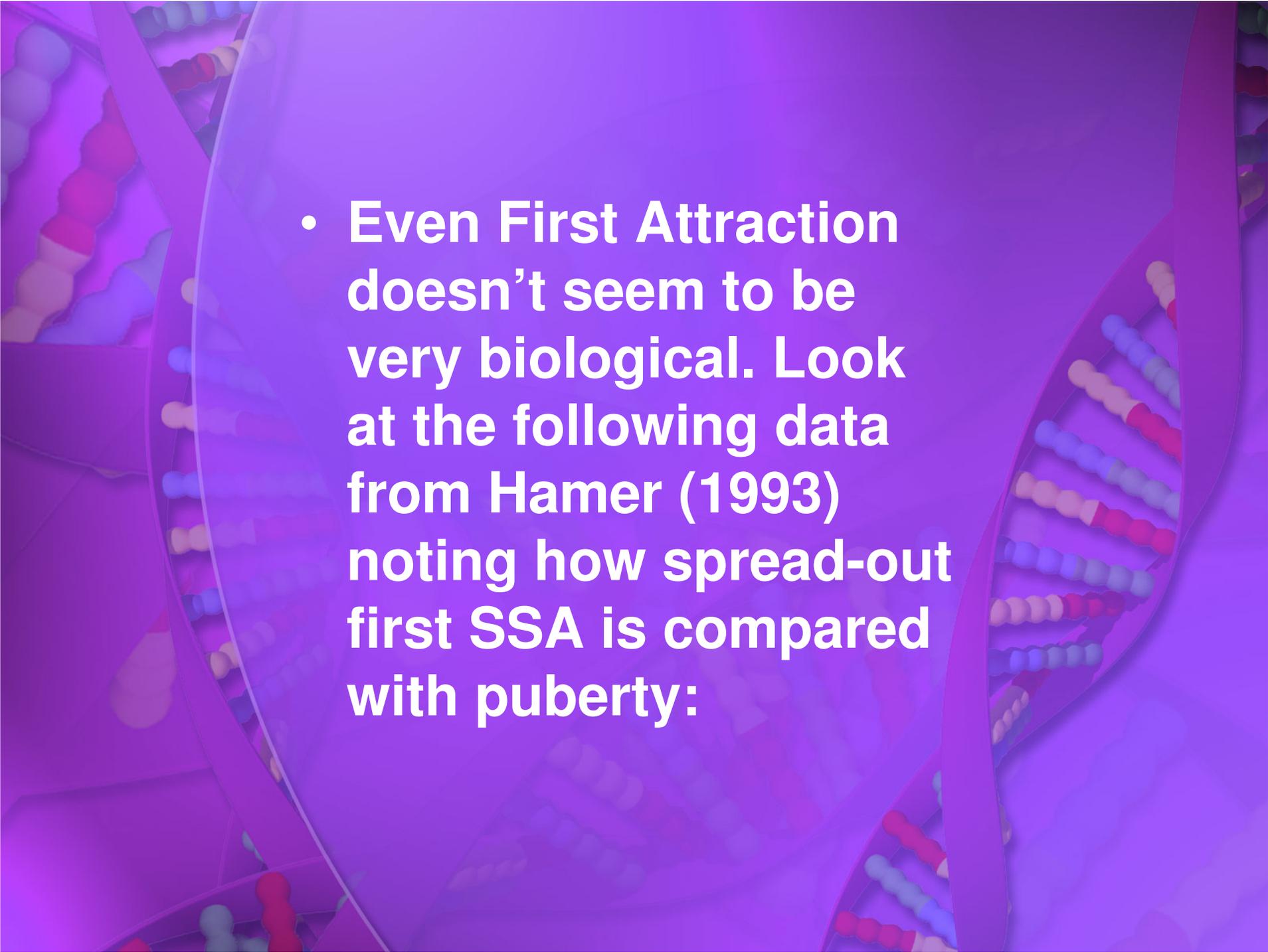
- 
- **Conclusion:**
SSA doesn't look like a fetal growth defect either.

- But as shown in the next slide, SSA has about the same occurrence as various psychological conditions, which are much more common

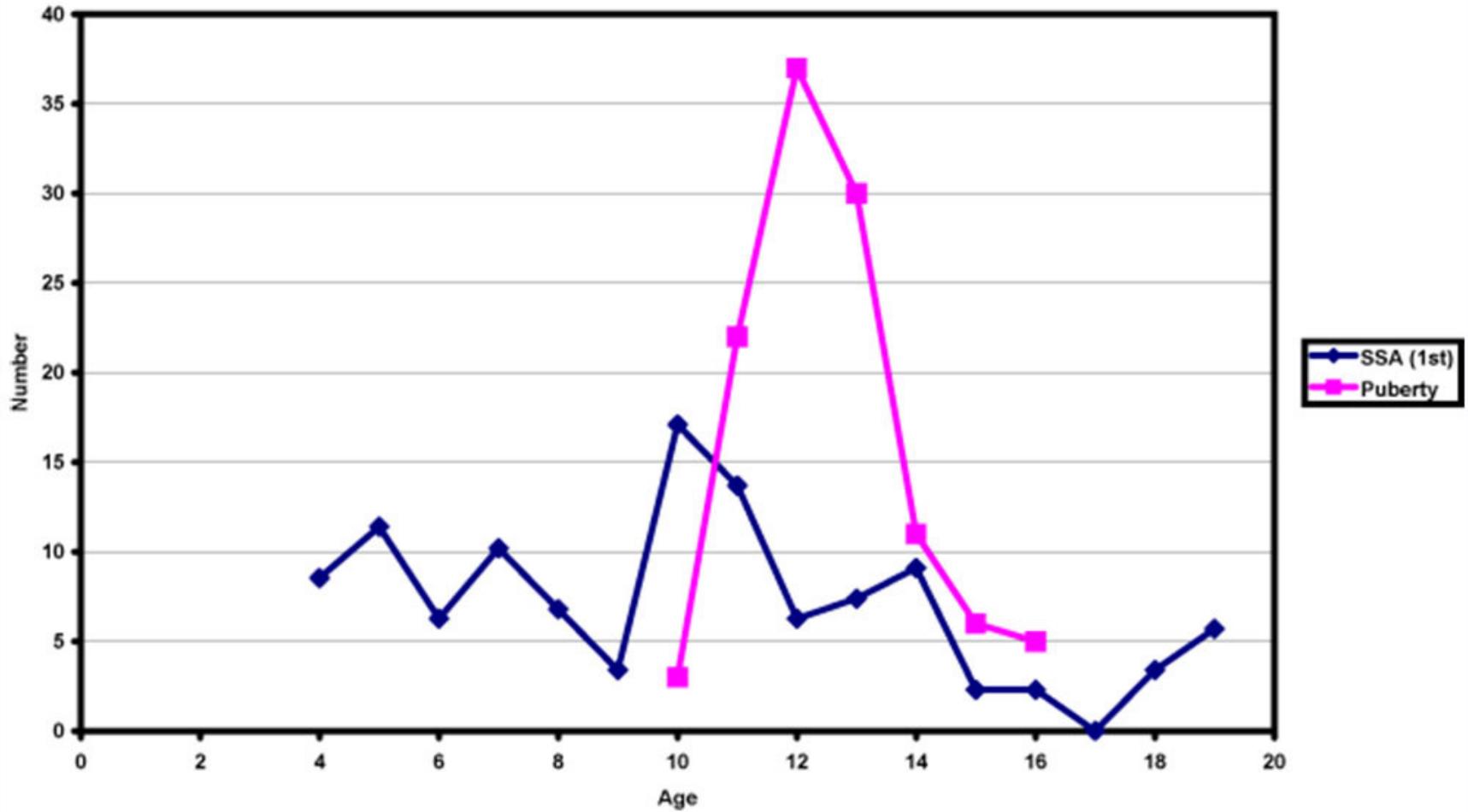


Incidence of Psychological Symptoms



- 
- **Even First Attraction doesn't seem to be very biological. Look at the following data from Hamer (1993) noting how spread-out first SSA is compared with puberty:**

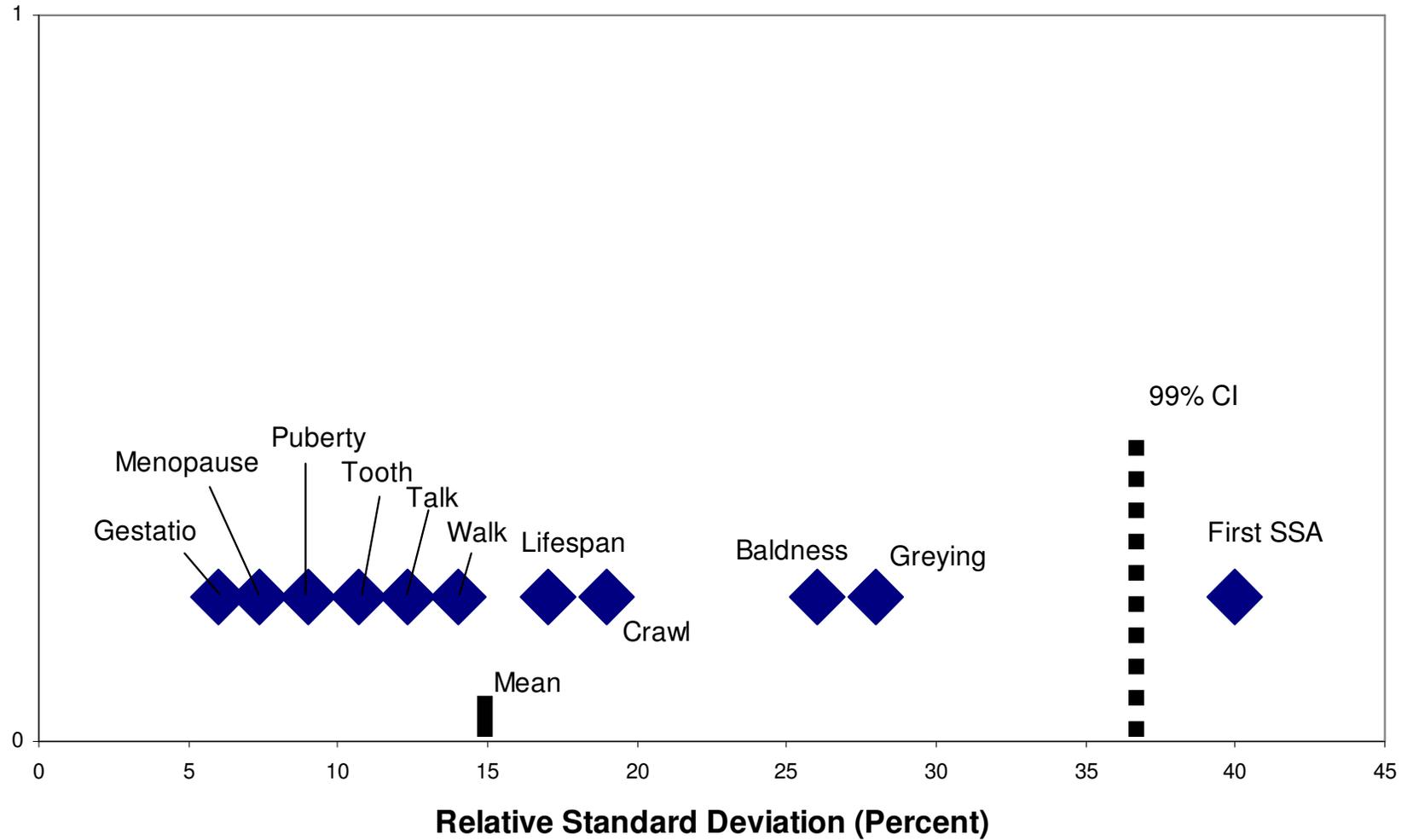
Comparison of puberty and SSA



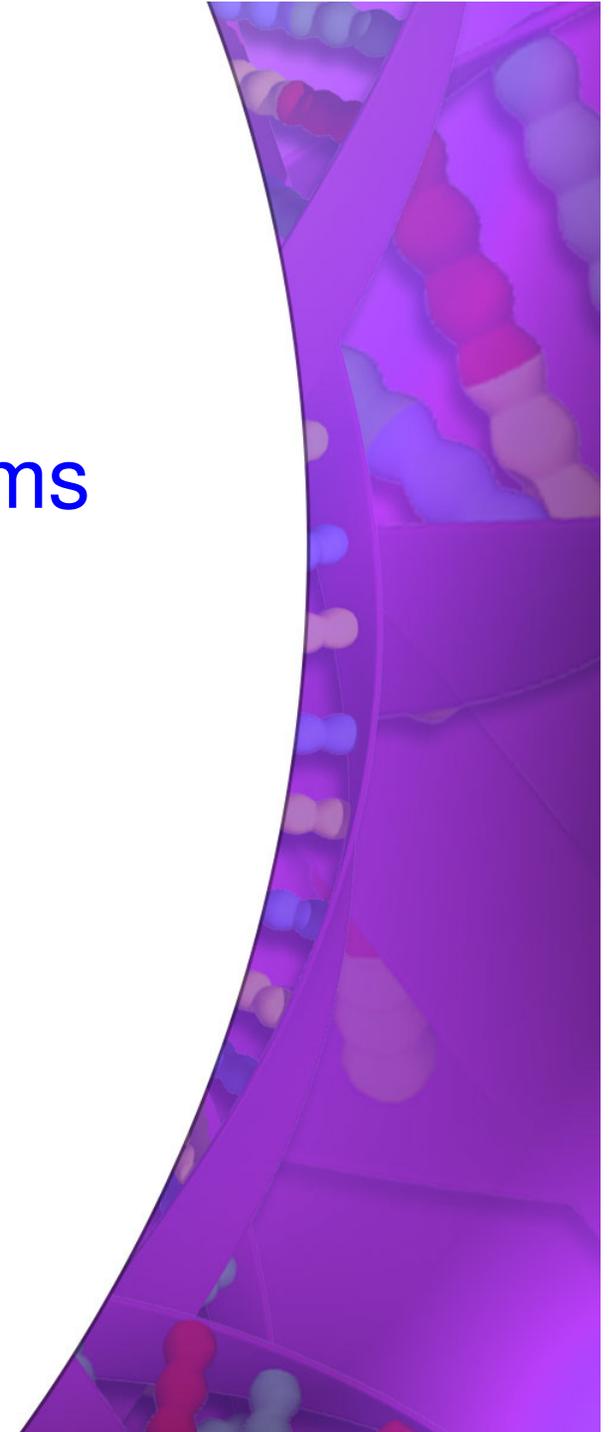
- 
- Puberty is clearly “biological” but has a spread very different from first SSA.

The following slide compares first SSA with the spread on most other biologically-driven life-events

Life Events



- This means that SSA seems to be in a class apart - not like other biological life-events.



- In spite of this researchers have continued to look for SSA genes

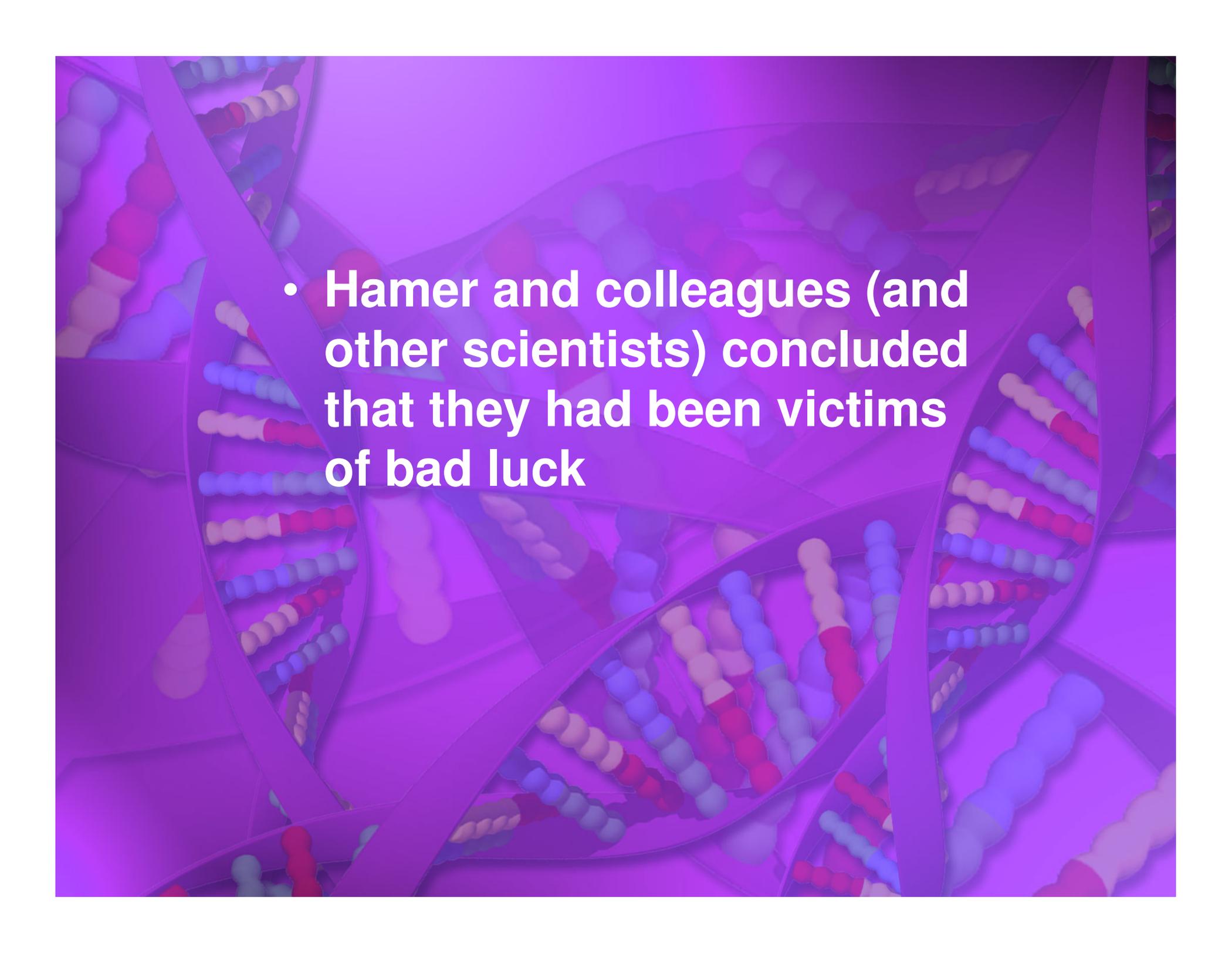


- **Hamer *et al.* in 1993 and in subsequent papers claimed to have found a gene-SSA connection on the X-Chromosome**



- But Rice *et al.* (1999) found no trace on repeating the survey

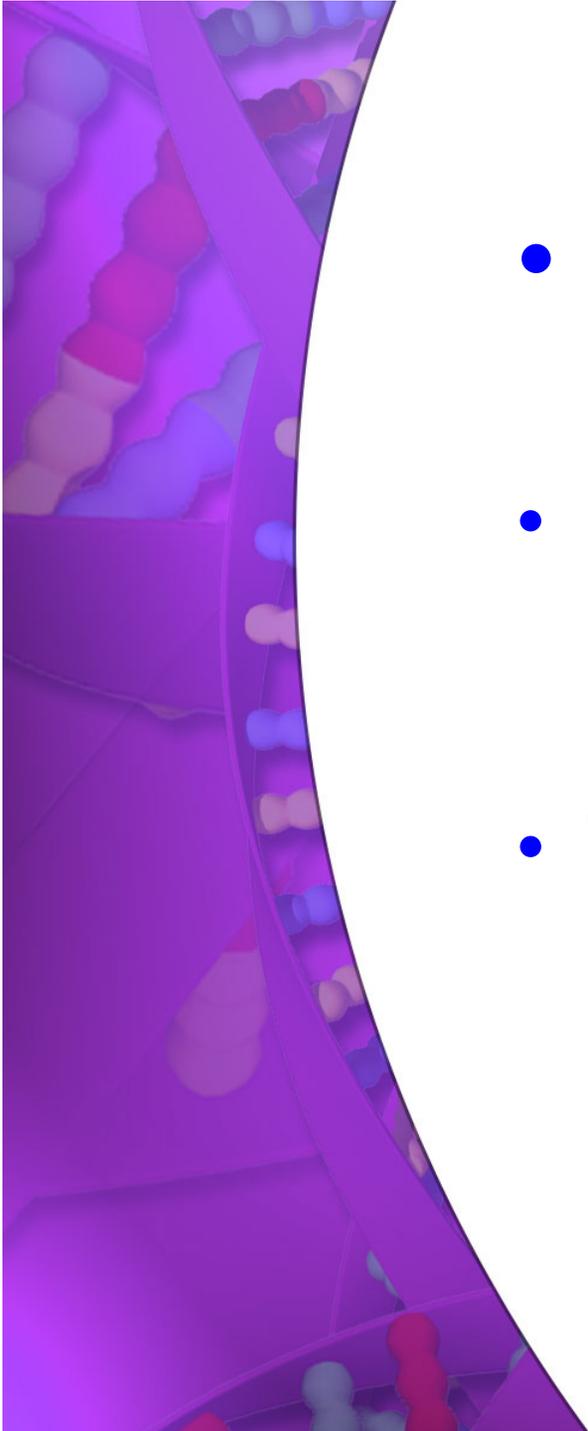


- 
- **Hamer and colleagues (and other scientists) concluded that they had been victims of bad luck**

- Mustanski *et al.*
(including Hamer)
scanned the whole
genome

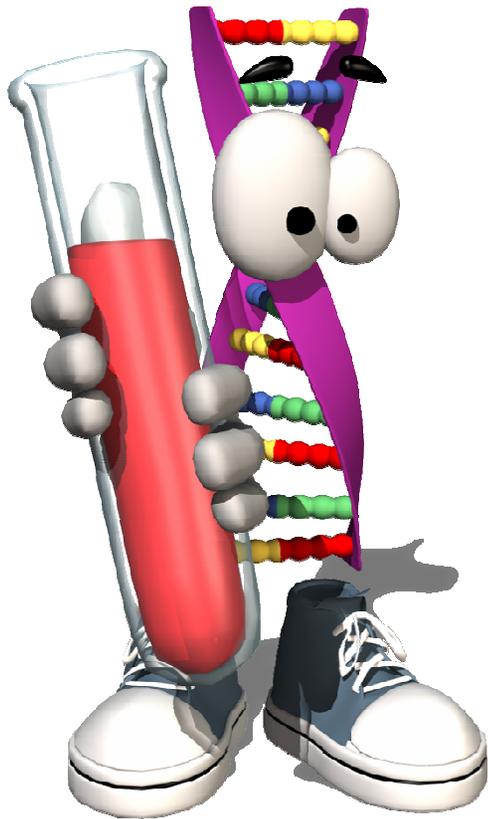


- 
- No statistically significant gene was found

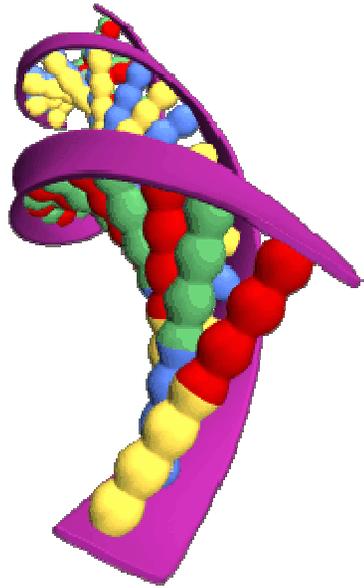


- **Conclusion:**
- No gene for SSA is known, and none has been found in the last 15 years or so
- The best guess is that if it exists it would have been found by now. Several were found for schizophrenia

Connections to SSA



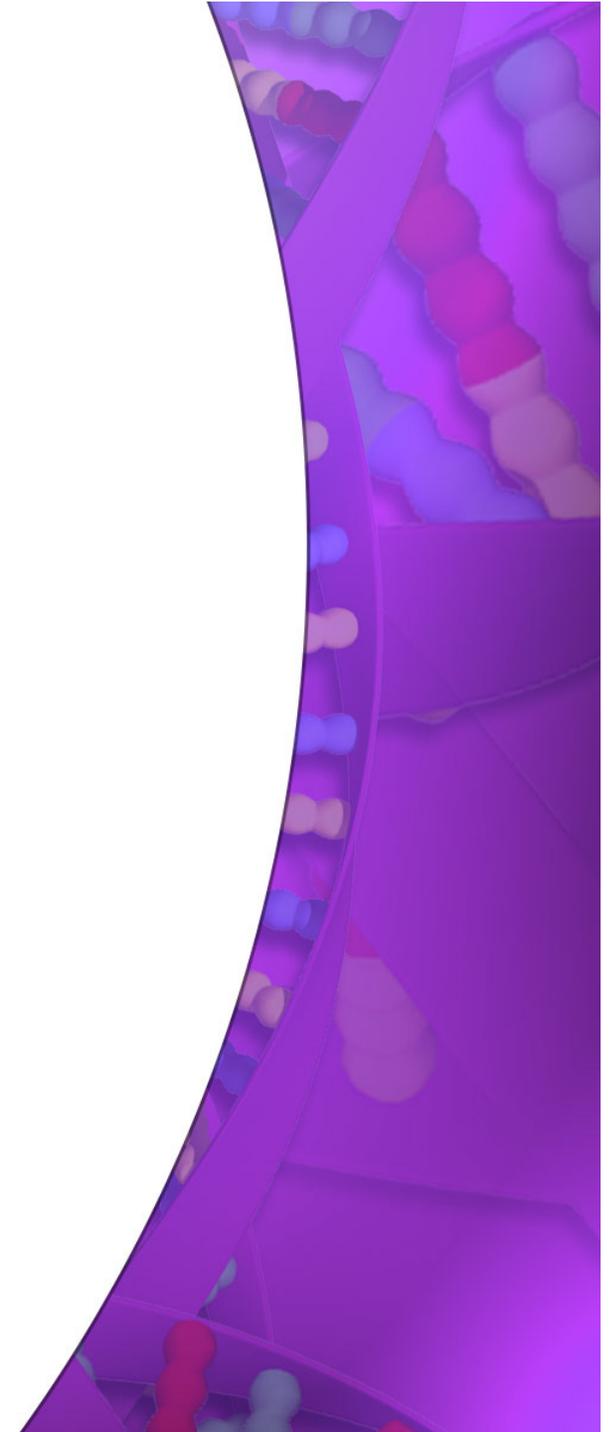
- But surely all these bits of biological evidence must add up to something ?



- **About 2-3 papers a year come out showing apparently new or reinforced biological connections to SSA**

- **Summary:**

All the effects are *weak*
and indirect !

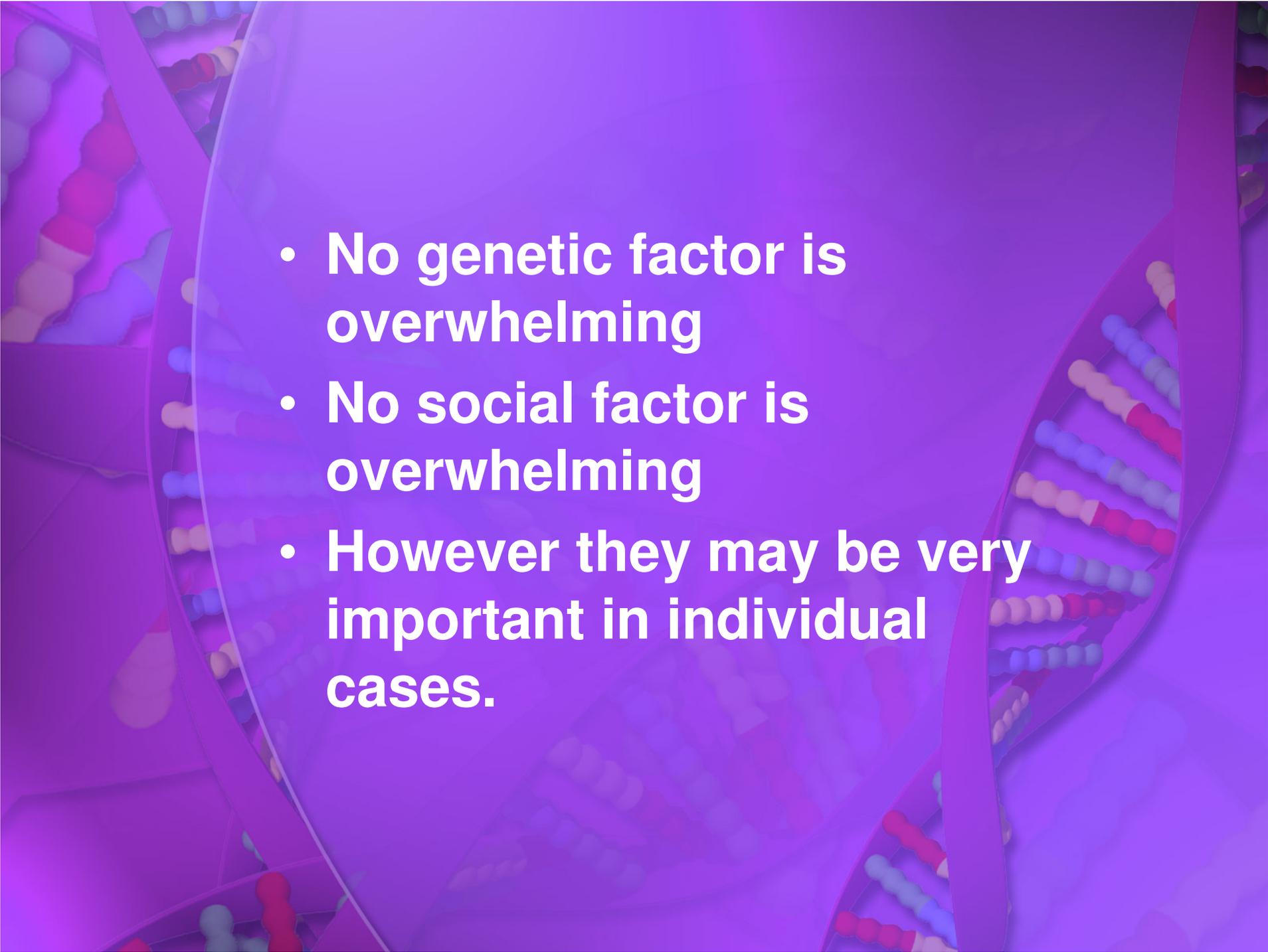




- (Eg) Is a girl who becomes pregnant at 15 biologically predisposed to? Perhaps yes, if she is beautiful by her culture's standards, and she is fertile. But this genetic effect is weak and indirect

- We show later that genetic effects will *always* be weak and indirect. How can we predict with such certainty? Watch this space – closely!



- 
- **No genetic factor is overwhelming**
 - **No social factor is overwhelming**
 - **However they may be very important in individual cases.**

History:

- **No overwhelming social factor applying in all cases has been found**

History:

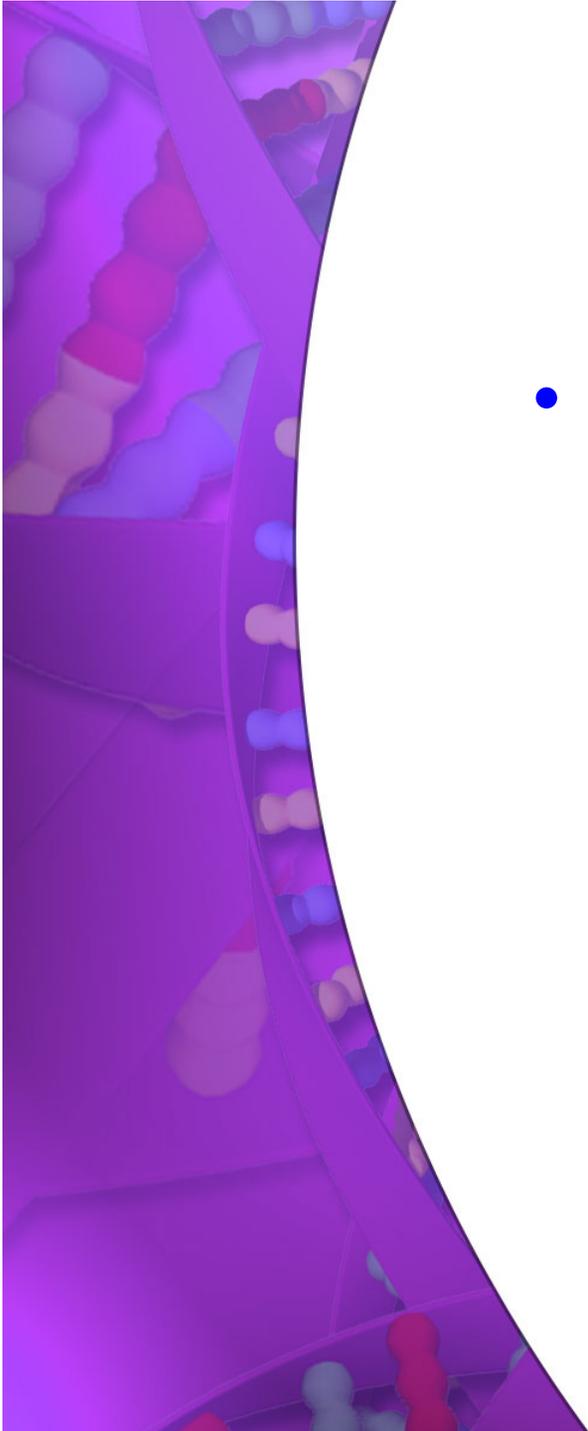
- **No overwhelming social factor applying in all cases has been found**
- **The strongest is extreme childhood effeminacy (Gender Identity Disorder).**

History:

- **No overwhelming social factor applying in all cases has been found**
- **The strongest is extreme childhood effeminacy (Gender Identity Disorder)**
- **Summarising all the surveys the best estimate is that 50% of GID boys referred to clinics will develop SSA**

History:

- **No overwhelming social factor applying in all cases has been found**
- **The strongest is extreme childhood effeminacy (Gender Identity Disorder)**
- **Summarising all the surveys the best estimate is that 50% of GID boys referred to clinics will develop SSA**
- **No other biological factor is even close**



- **However GID is extreme.
Mere sissiness has a much weaker effect.**

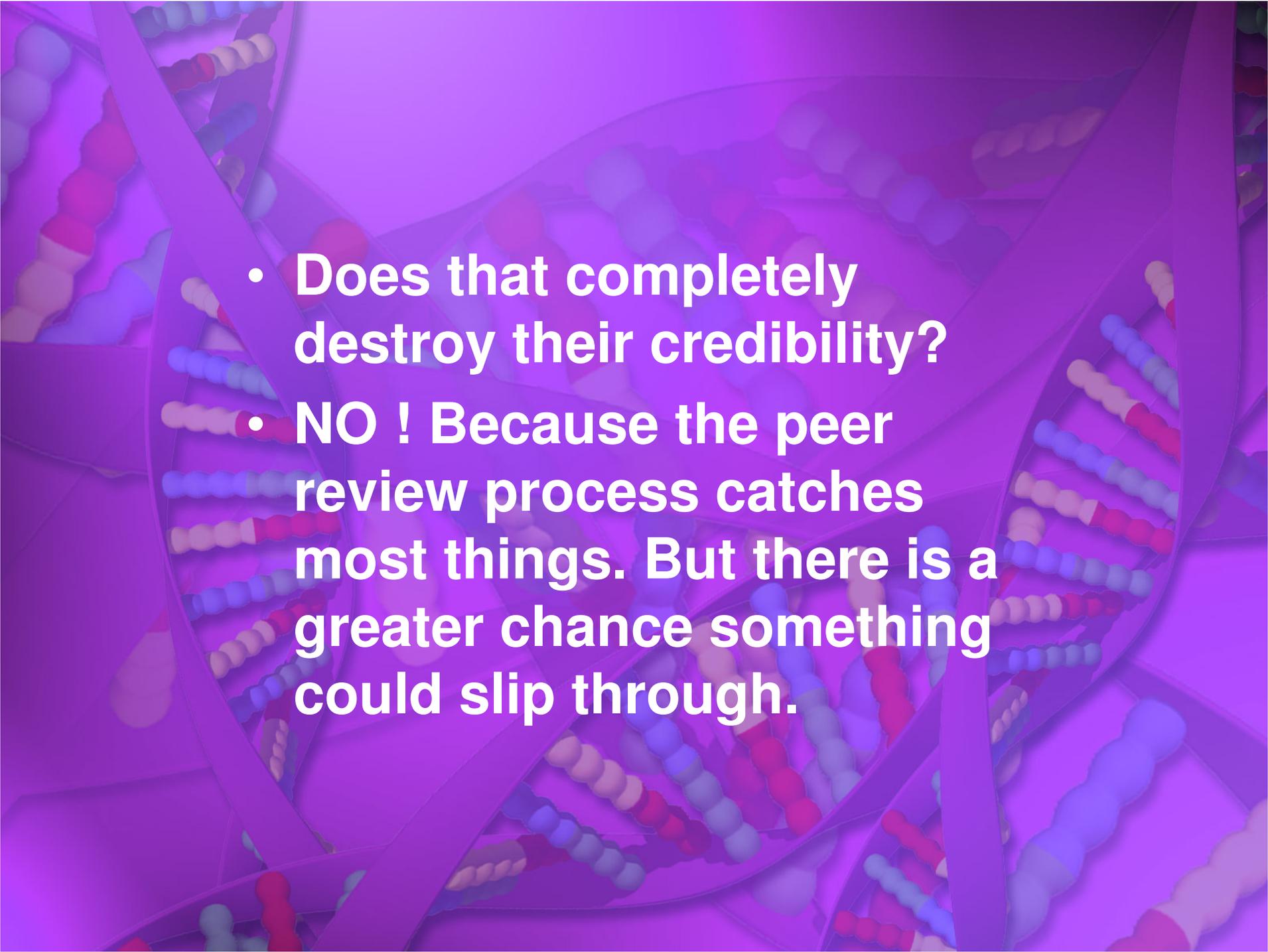
History:

- No overwhelming social factor applying in all cases has been found
- Currently researchers have not found an overwhelming biological factor applying in all cases but are looking hard

- **But -----**
According to John Michael Bailey –
50% of SSA
researchers are
gay



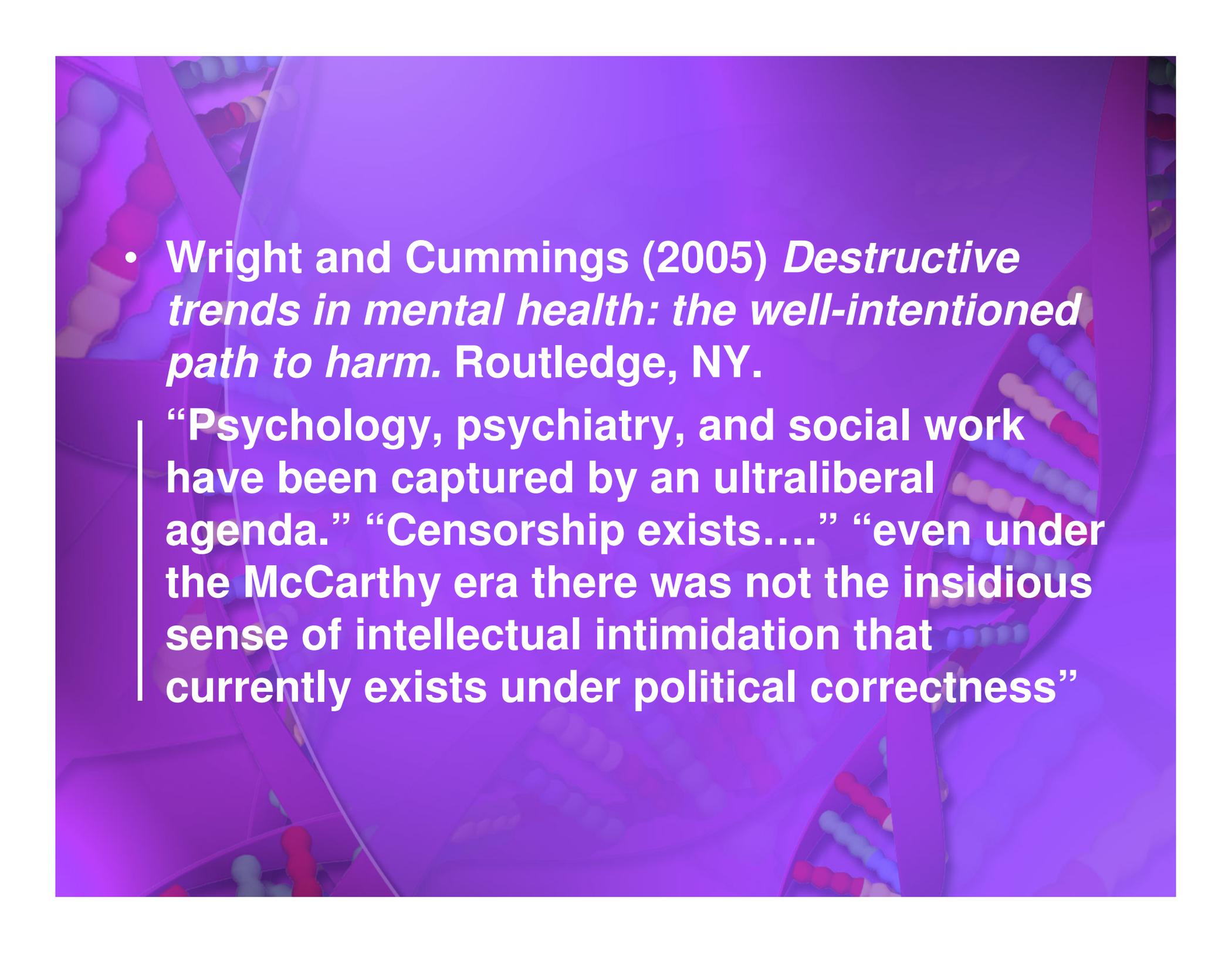
- 
- **Does that completely destroy their credibility?**

- 
- Does that completely destroy their credibility?
 - NO ! Because the peer review process catches most things. But there is a greater chance something could slip through.

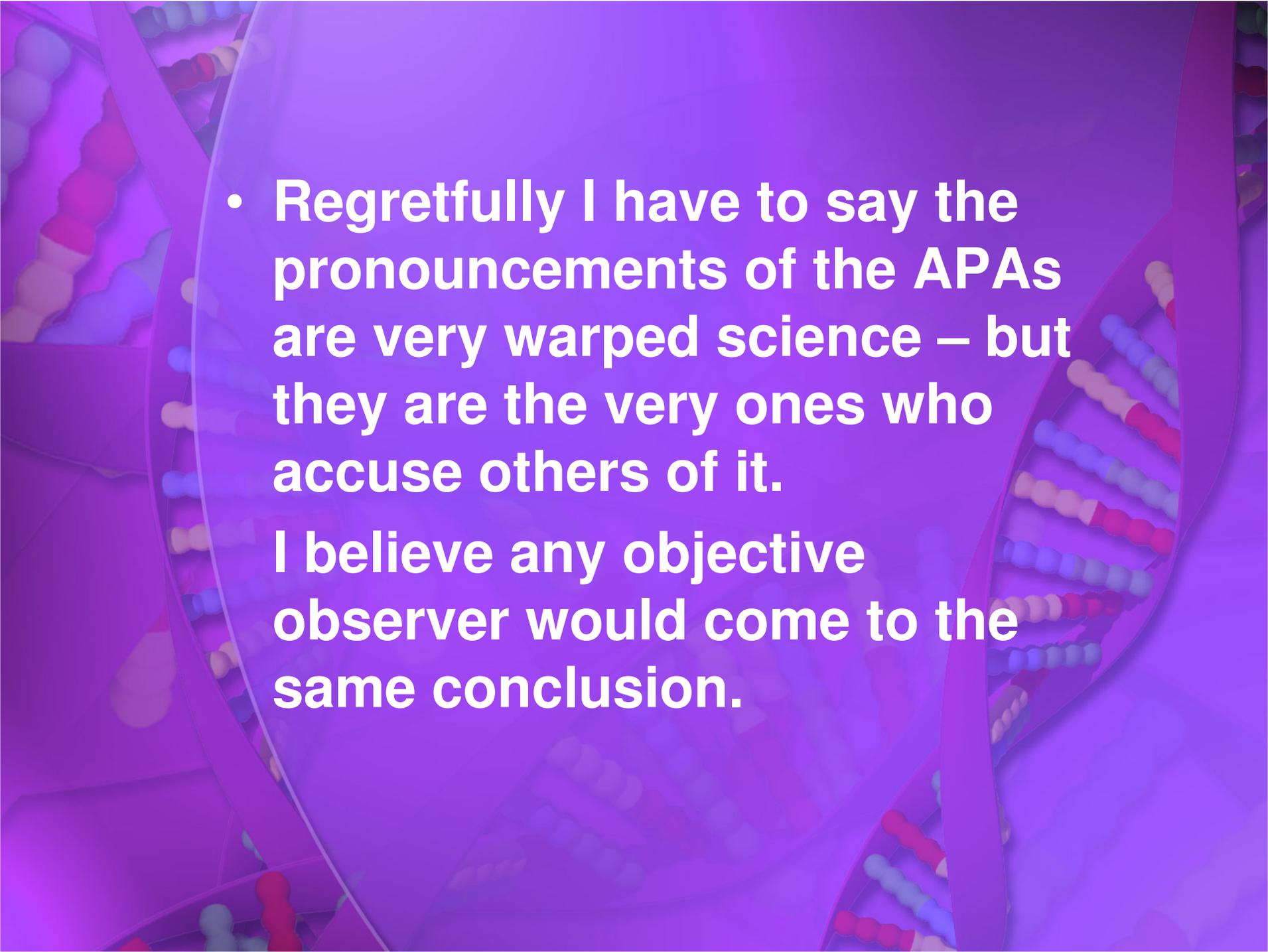


The APAs

In 40 years of science I have never seen such politically biased scientific organisations as the APAs, except in Communist countries.

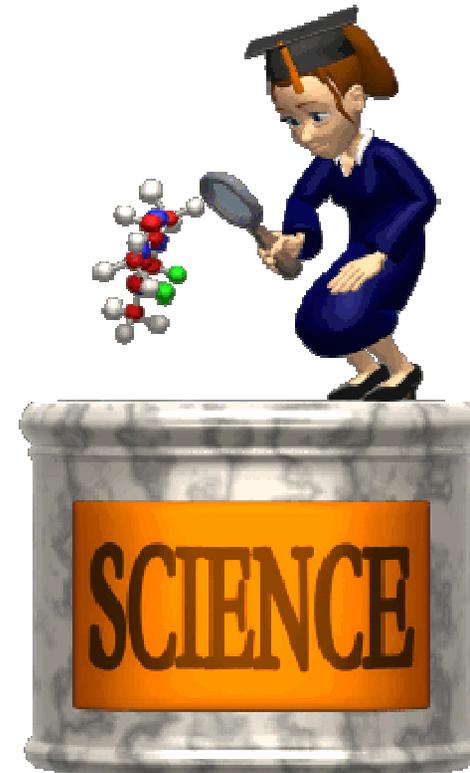
- 
- Wright and Cummings (2005) *Destructive trends in mental health: the well-intentioned path to harm*. Routledge, NY.

“Psychology, psychiatry, and social work have been captured by an ultraliberal agenda.” “Censorship exists....” “even under the McCarthy era there was not the insidious sense of intellectual intimidation that currently exists under political correctness”

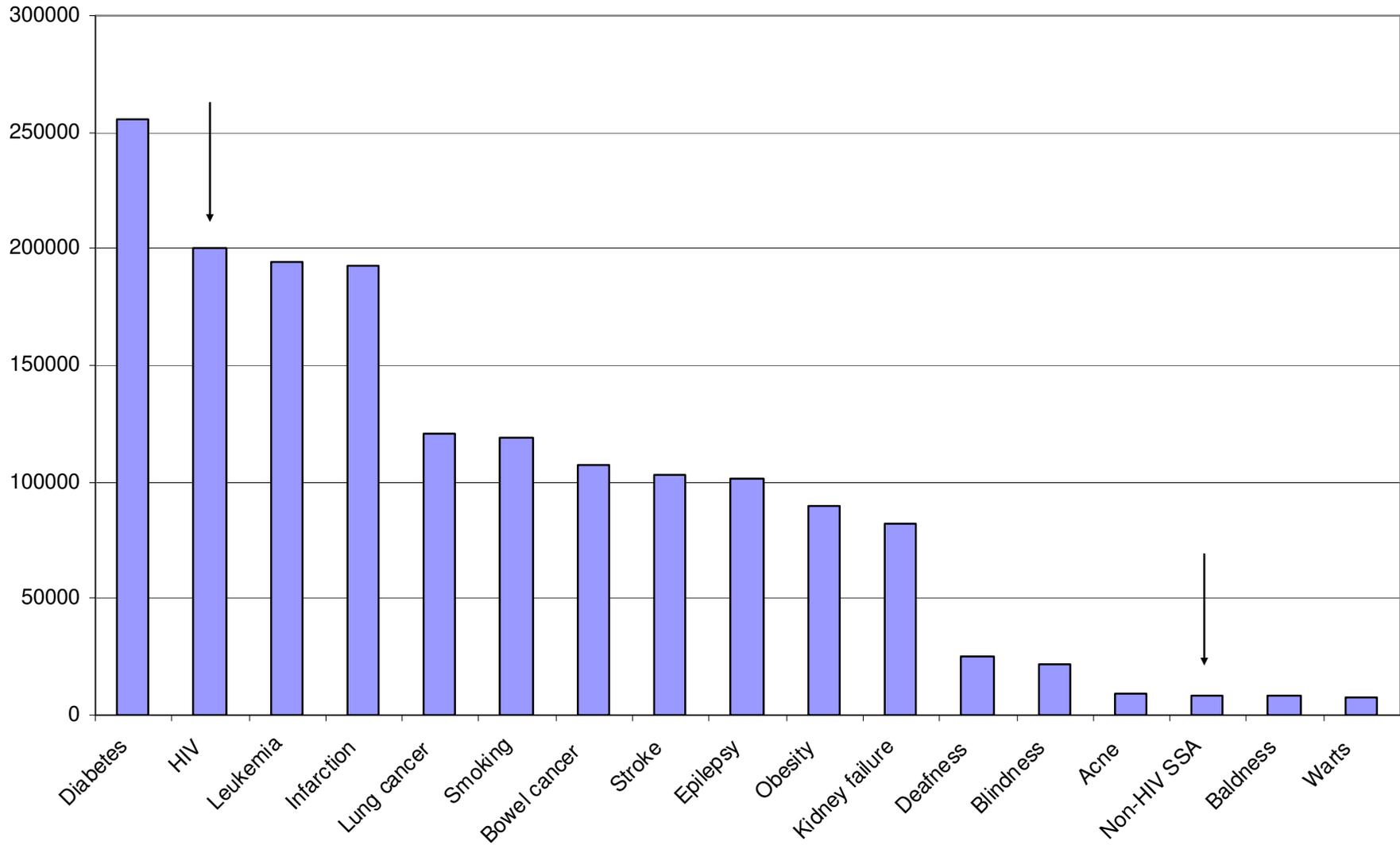
- 
- **Regretfully I have to say the pronouncements of the APAs are very warped science – but they are the very ones who accuse others of it.**

I believe any objective observer would come to the same conclusion.

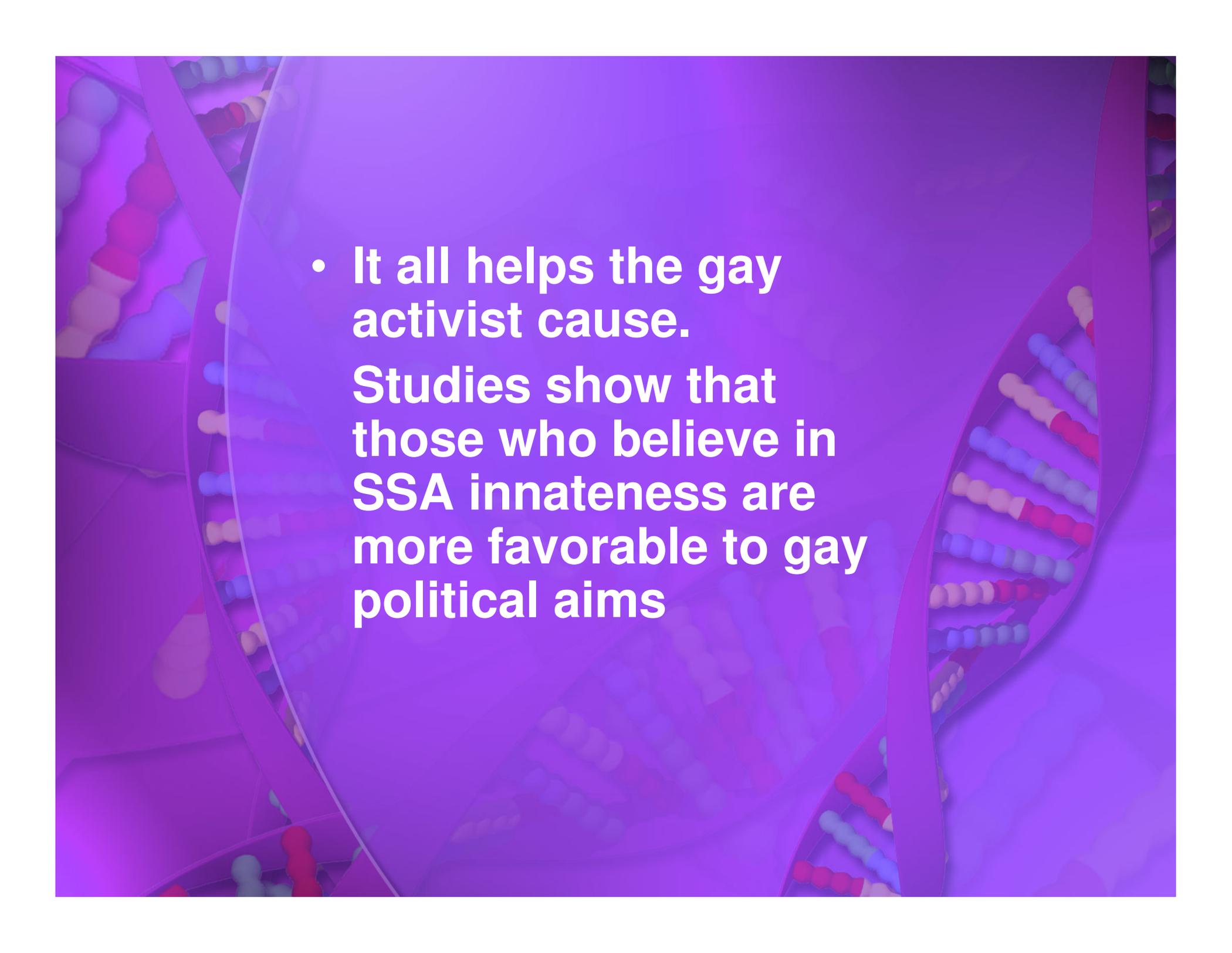
- **Lots of research is being done.**



PubMed papers



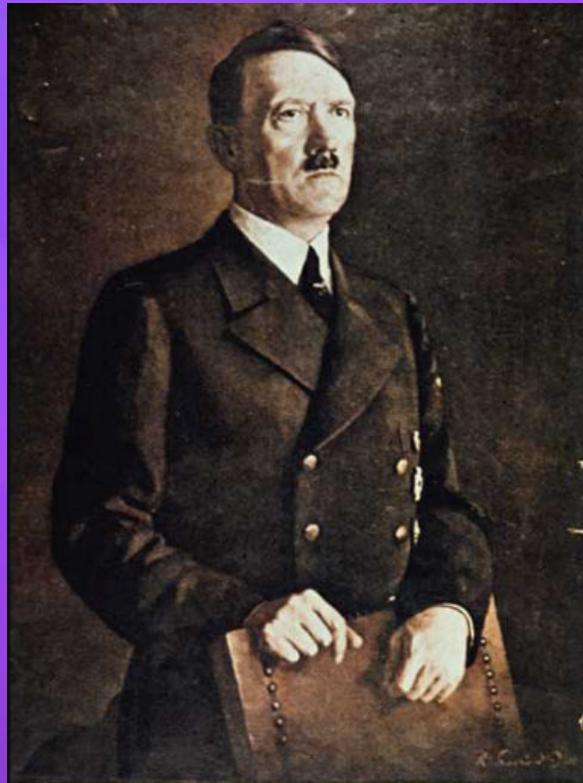
- 
- **About 8500 non-HIV SSA papers.**
 - **That represents about \$500M**
 - **A huge investment – why?**

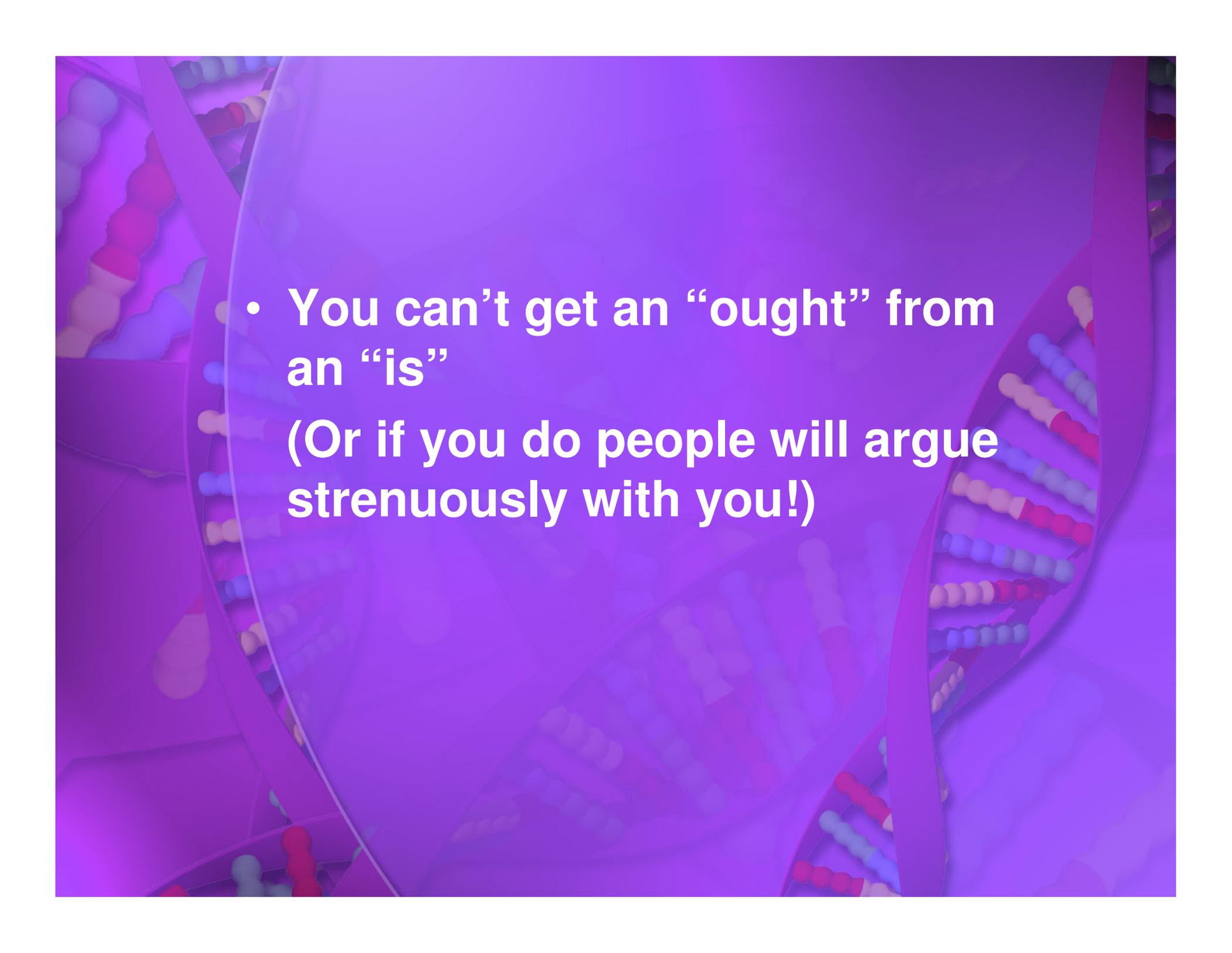
- 
- **It all helps the gay activist cause.**
Studies show that those who believe in SSA innateness are more favorable to gay political aims

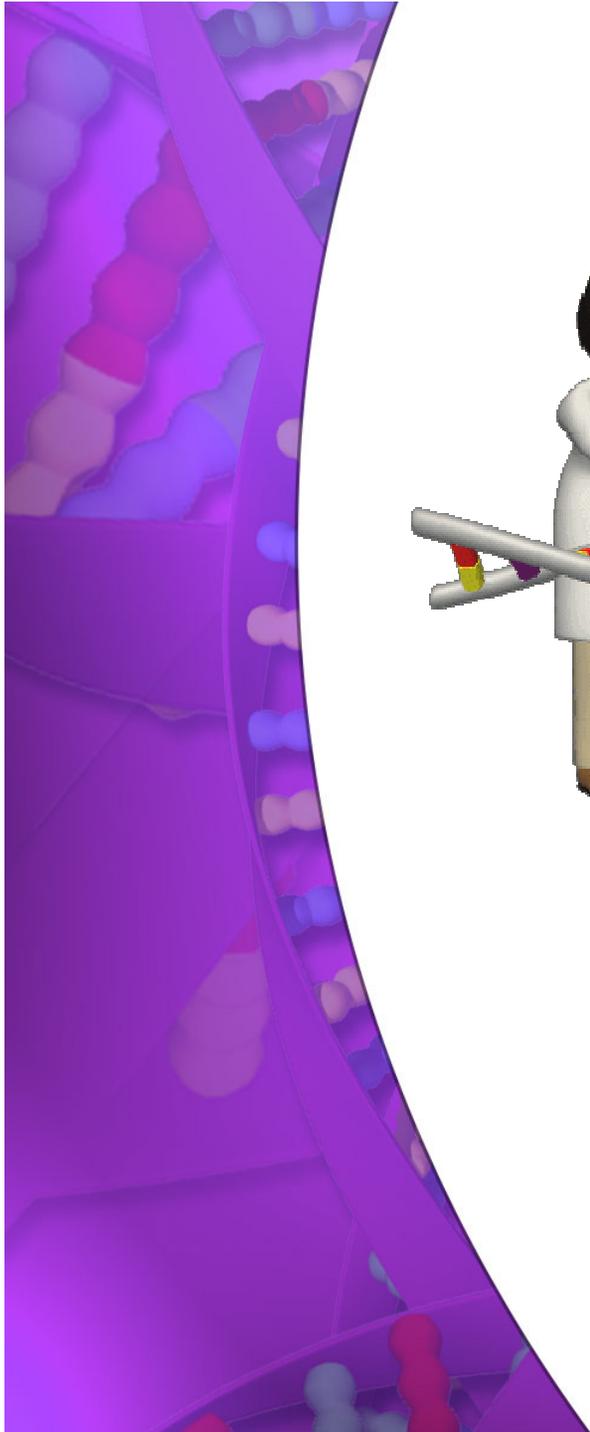


- **But.....**

**If Hitler had genes
for genocide would that
have made his politics right?**



- 
- You can't get an "ought" from an "is"
(Or if you do people will argue strenuously with you!)



- **Do we have to refute all those claims that SSA is innate, one by one?**



NO !!



- We can clear up the matter once and for all using SSA studies on identical twins

- Identical twins have identical genes



- Identical twins have identical genes
- Identical twins have identical upbringing

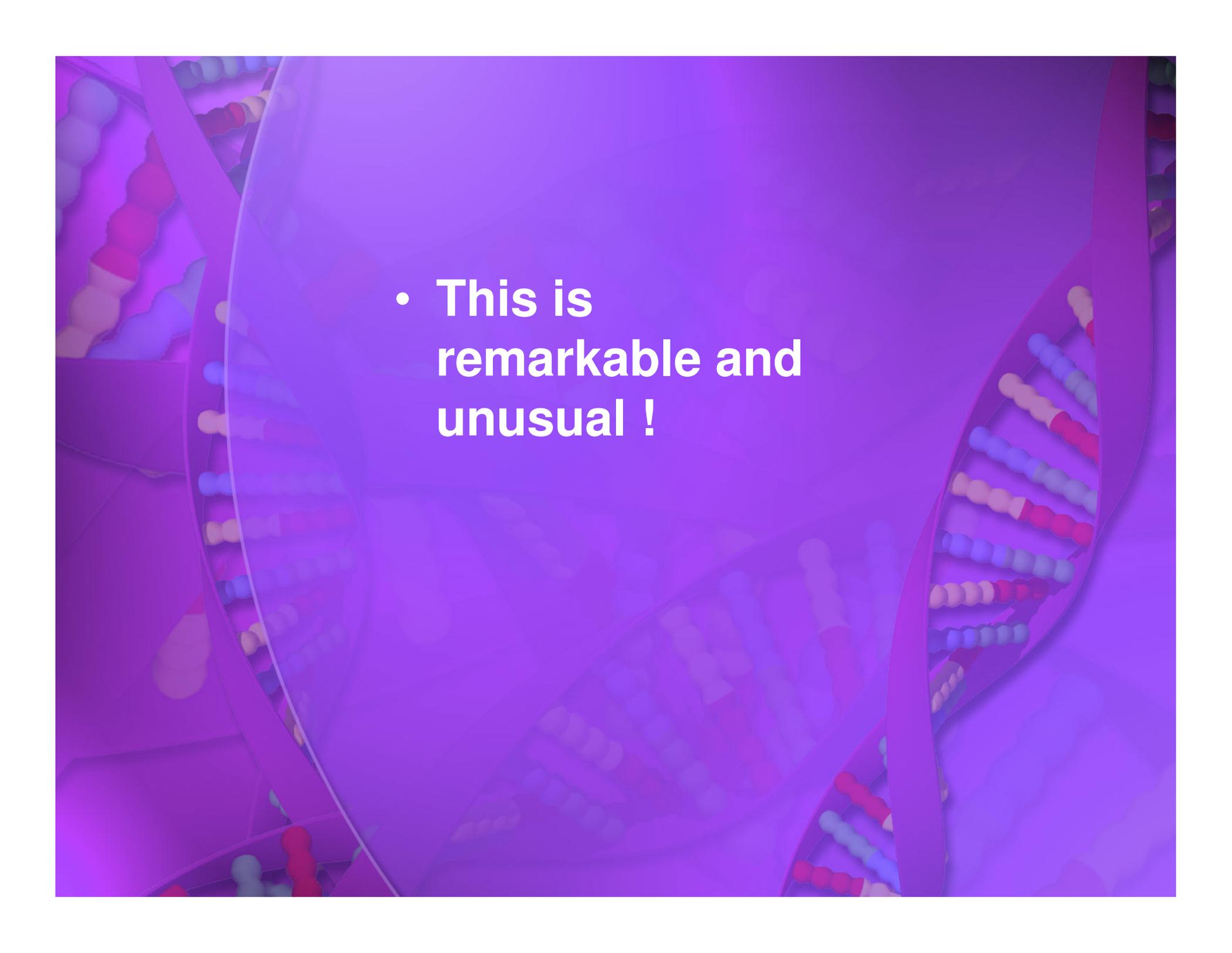


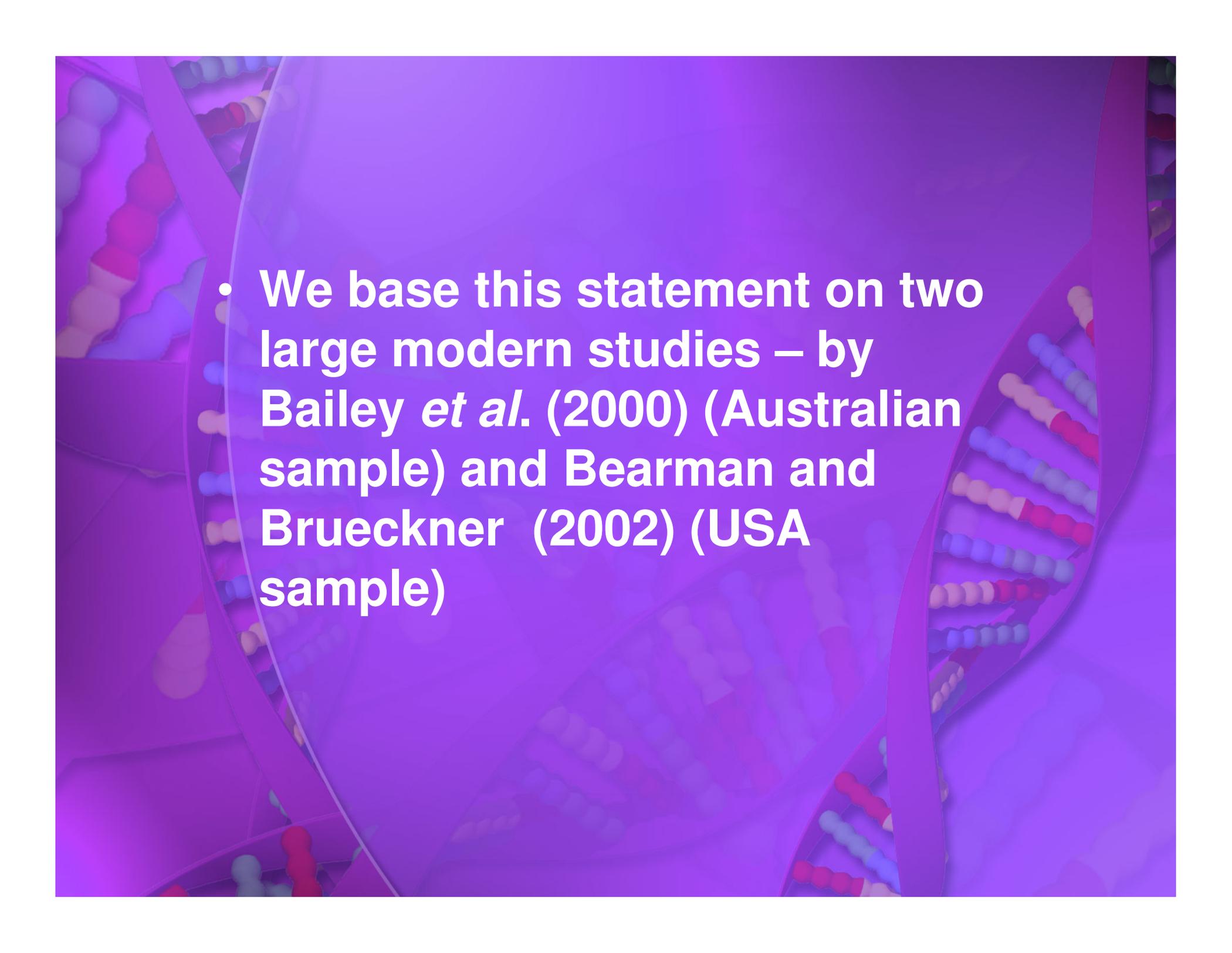
- Identical twins have identical genes
- Identical twins have identical upbringing
- Differences are due to chance



- So results of SSA concordance studies on identical twins include all the effects of genetics and upbringing, those known and those yet to be discovered

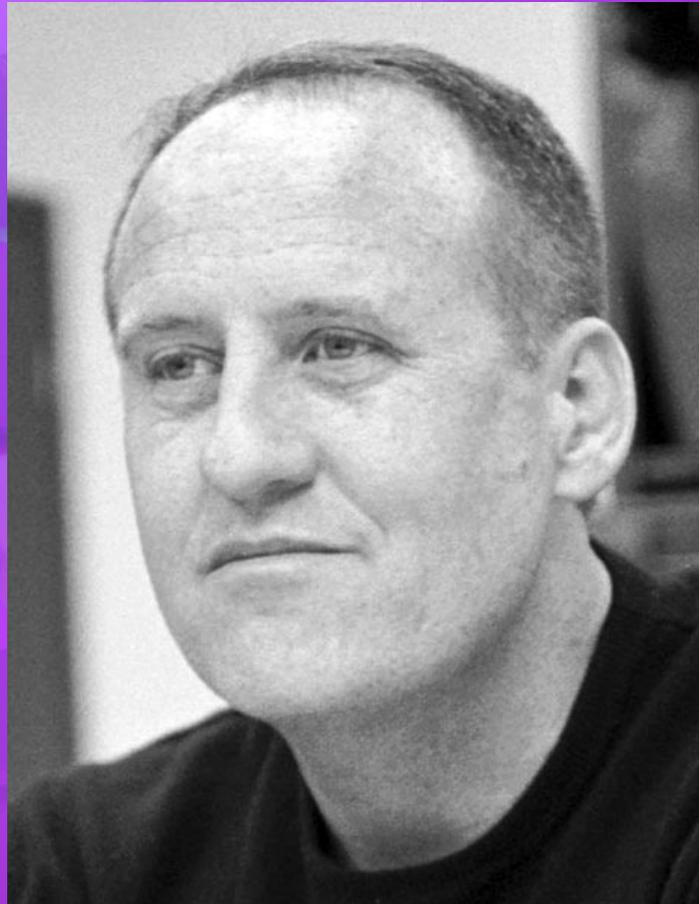


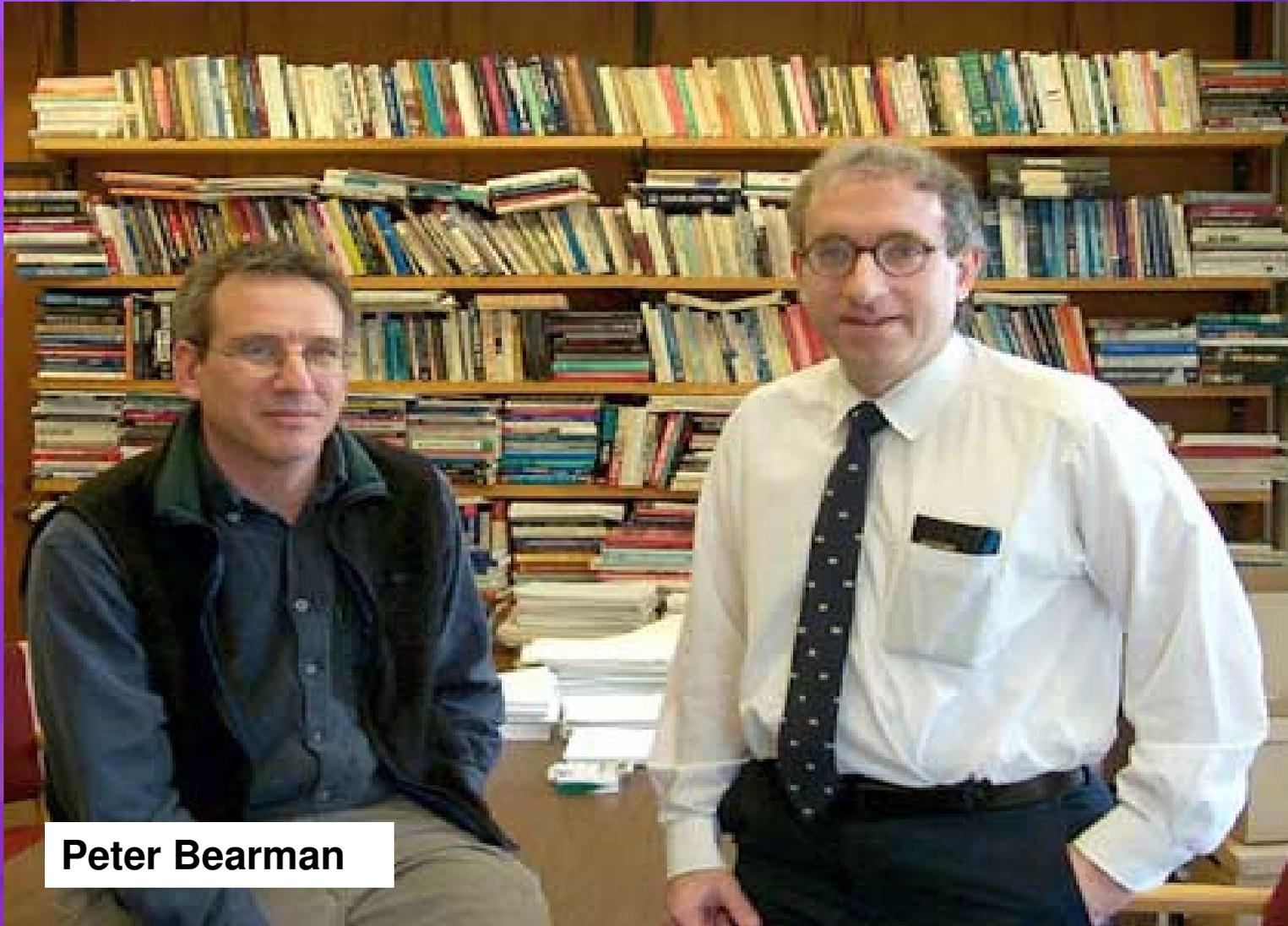
- 
- **This is remarkable and unusual !**

- 
- We base this statement on two large modern studies – by Bailey *et al.* (2000) (Australian sample) and Bearman and Brueckner (2002) (USA sample)

- **Bailey
(Northwestern
University, USA).**



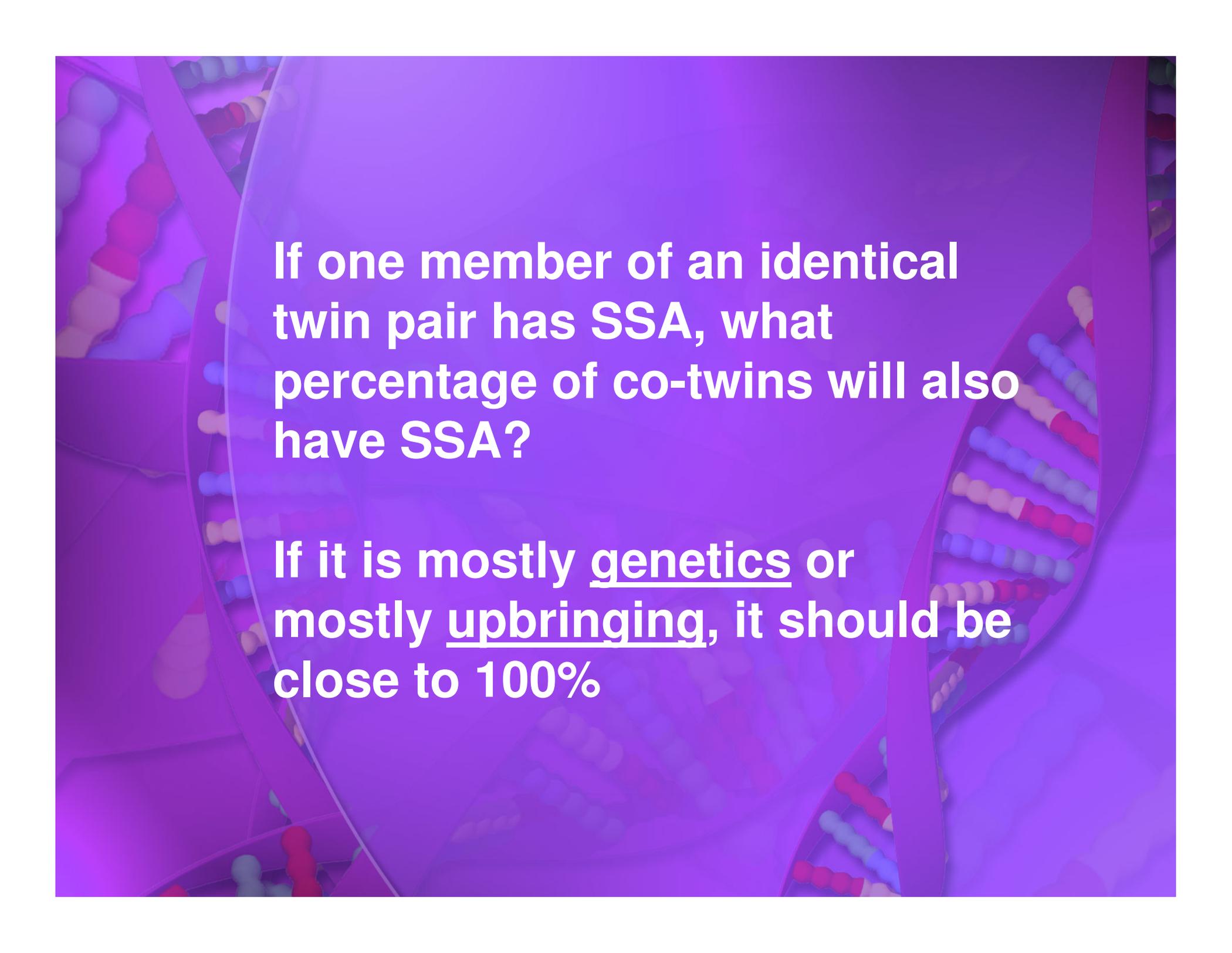




Peter Bearman

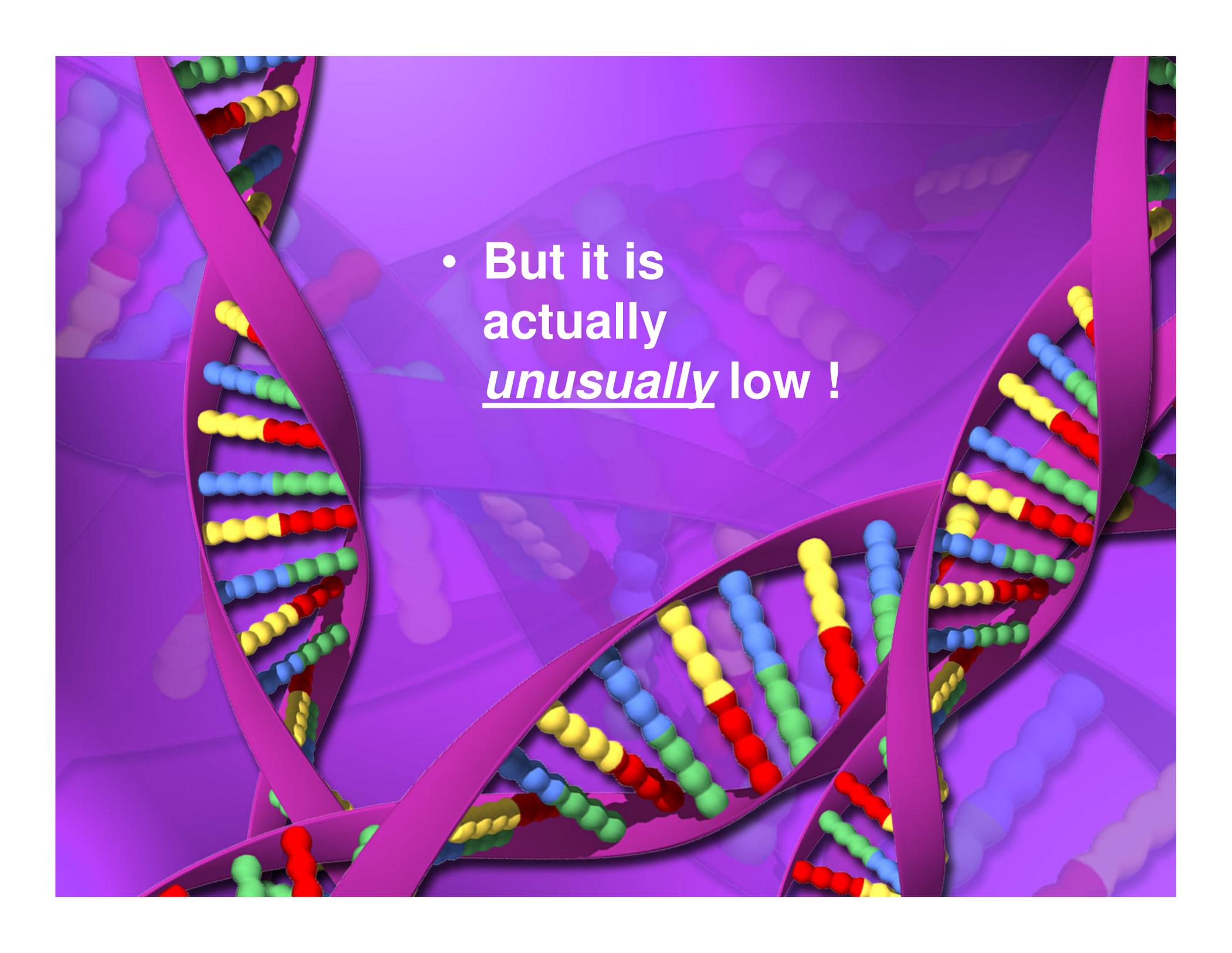


Hannah Brueckner



If one member of an identical twin pair has SSA, what percentage of co-twins will also have SSA?

If it is mostly genetics or mostly upbringing, it should be close to 100%

- 
- But it is actually unusually low !



- **Bailey *et al.***
(adults):

Males 11% Females 14%

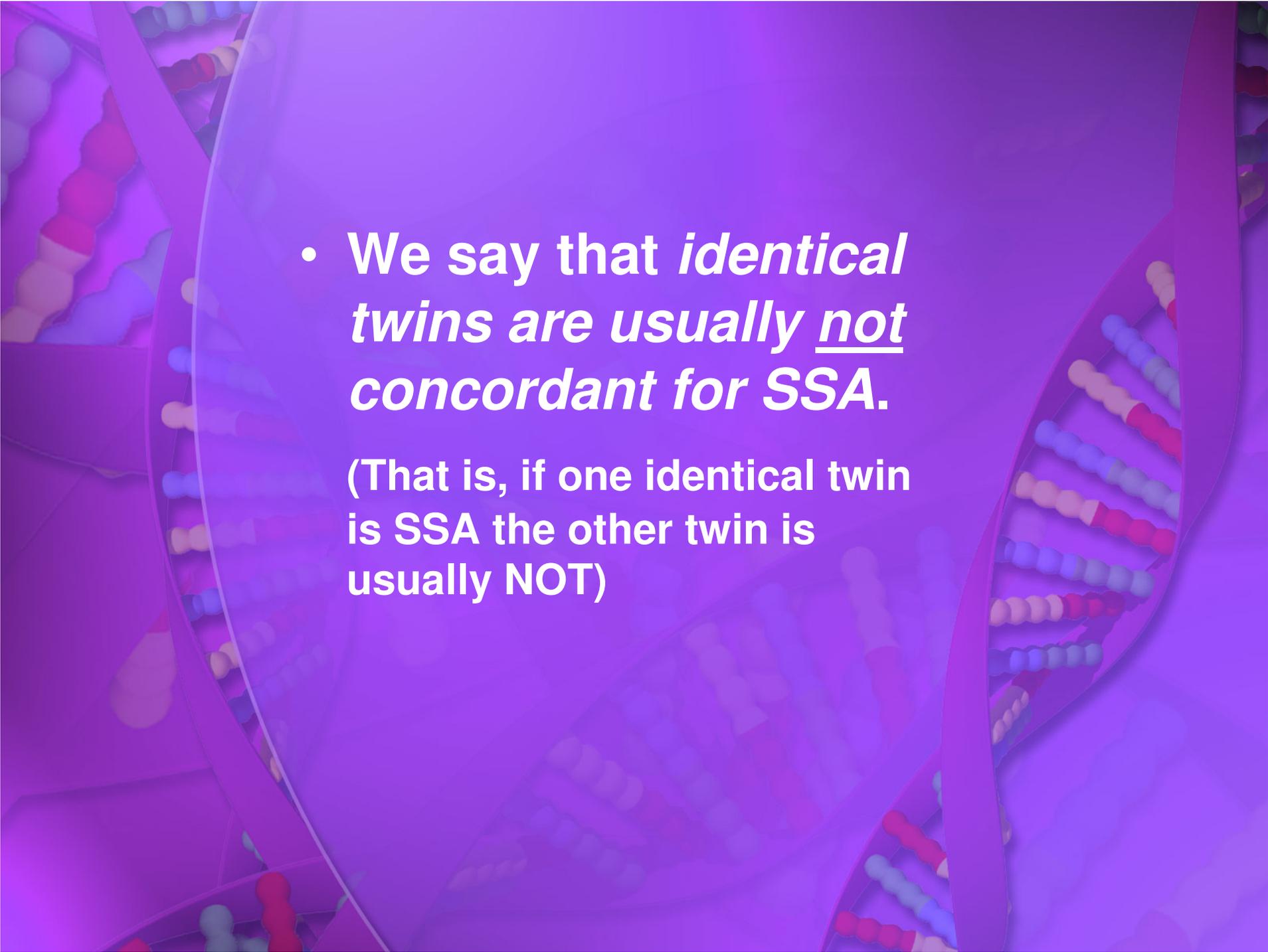
- **Bearman and Brueckner**
(adolescents) :

Males 7% Females 5%



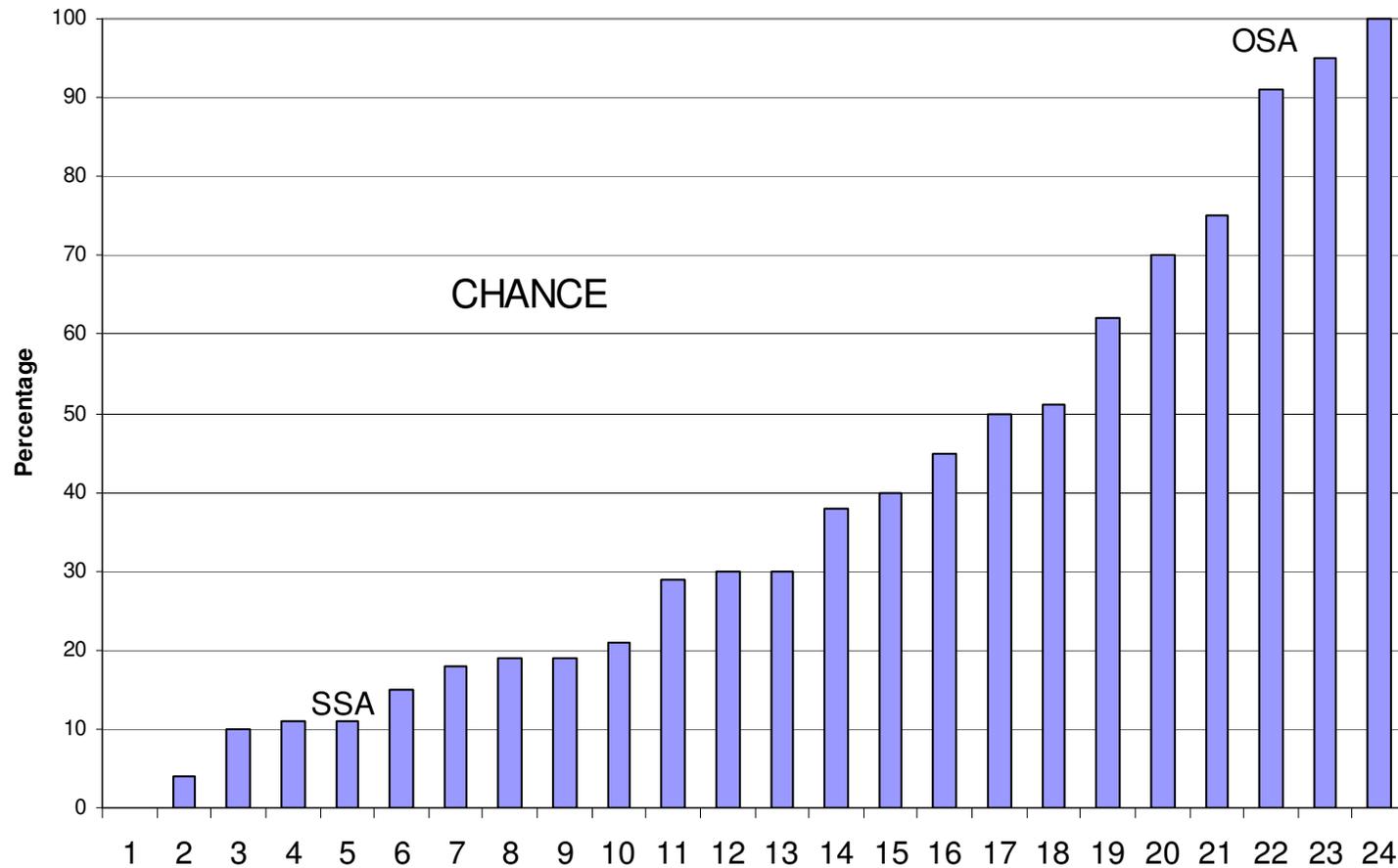
- **This is probably the lowest twin concordance for any behavioral trait ever measured**



- 
- We say that *identical twins are usually not concordant for SSA.*

(That is, if one identical twin is SSA the other twin is usually NOT)

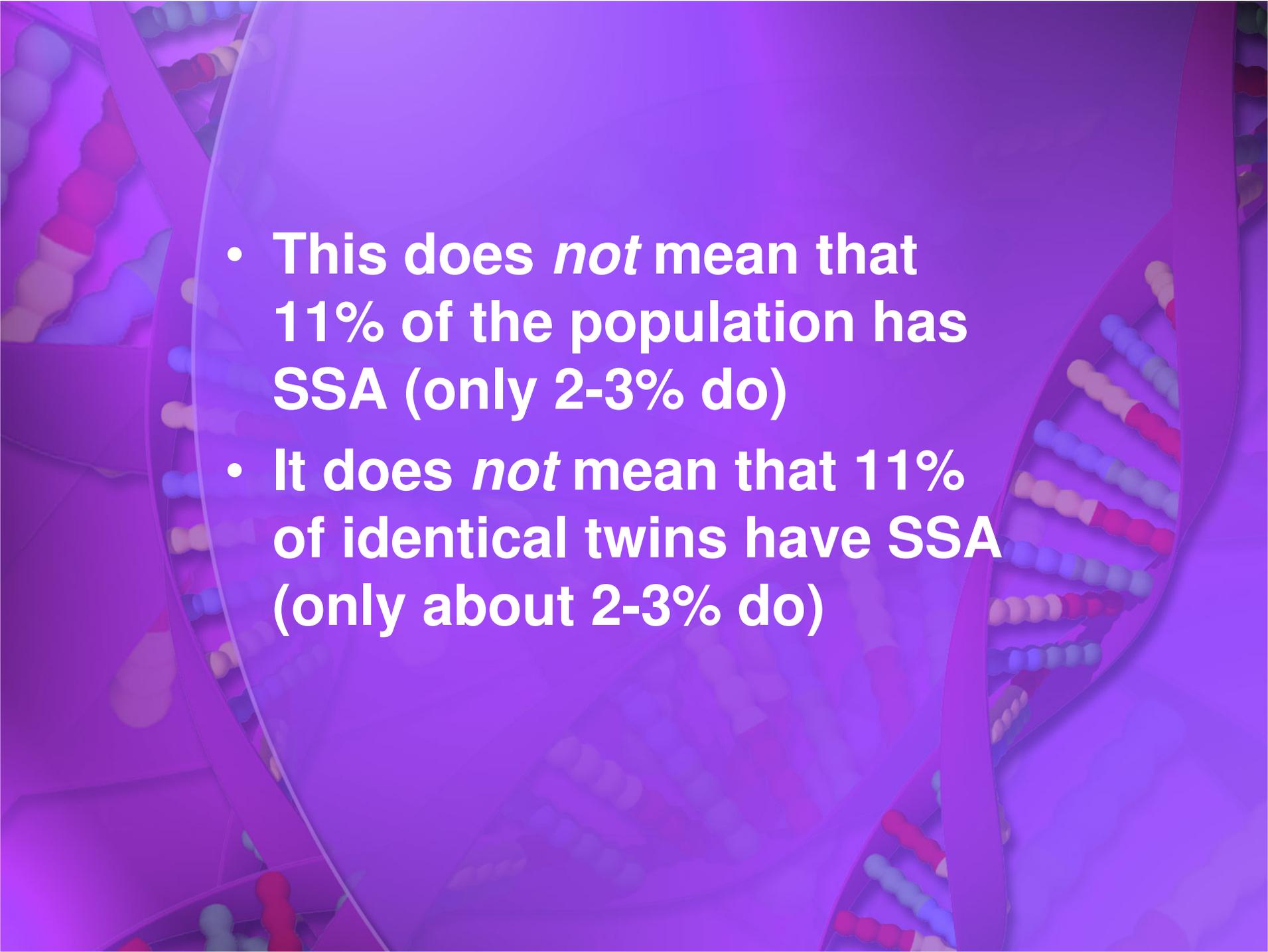
Genetics + Unbringing

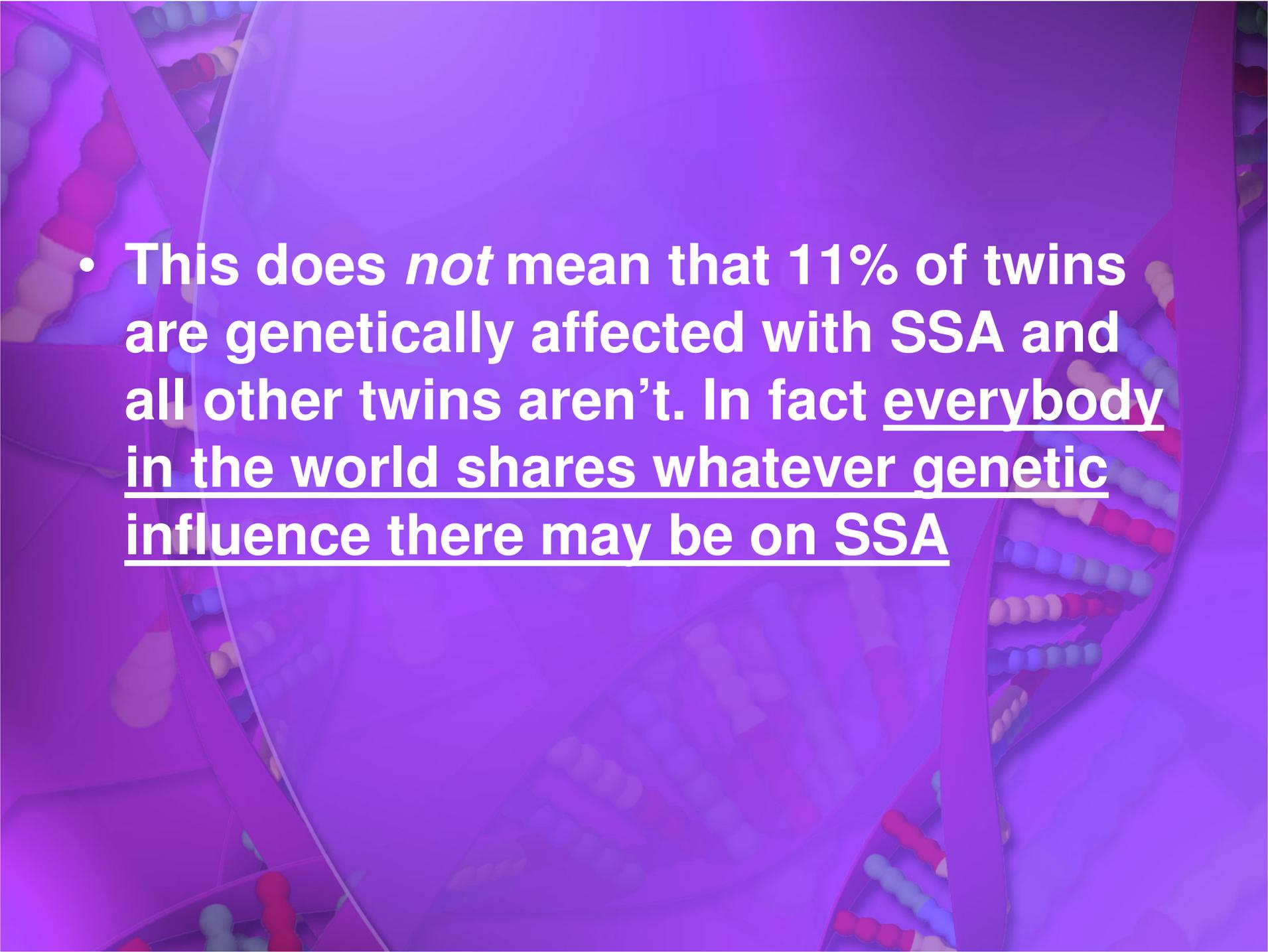


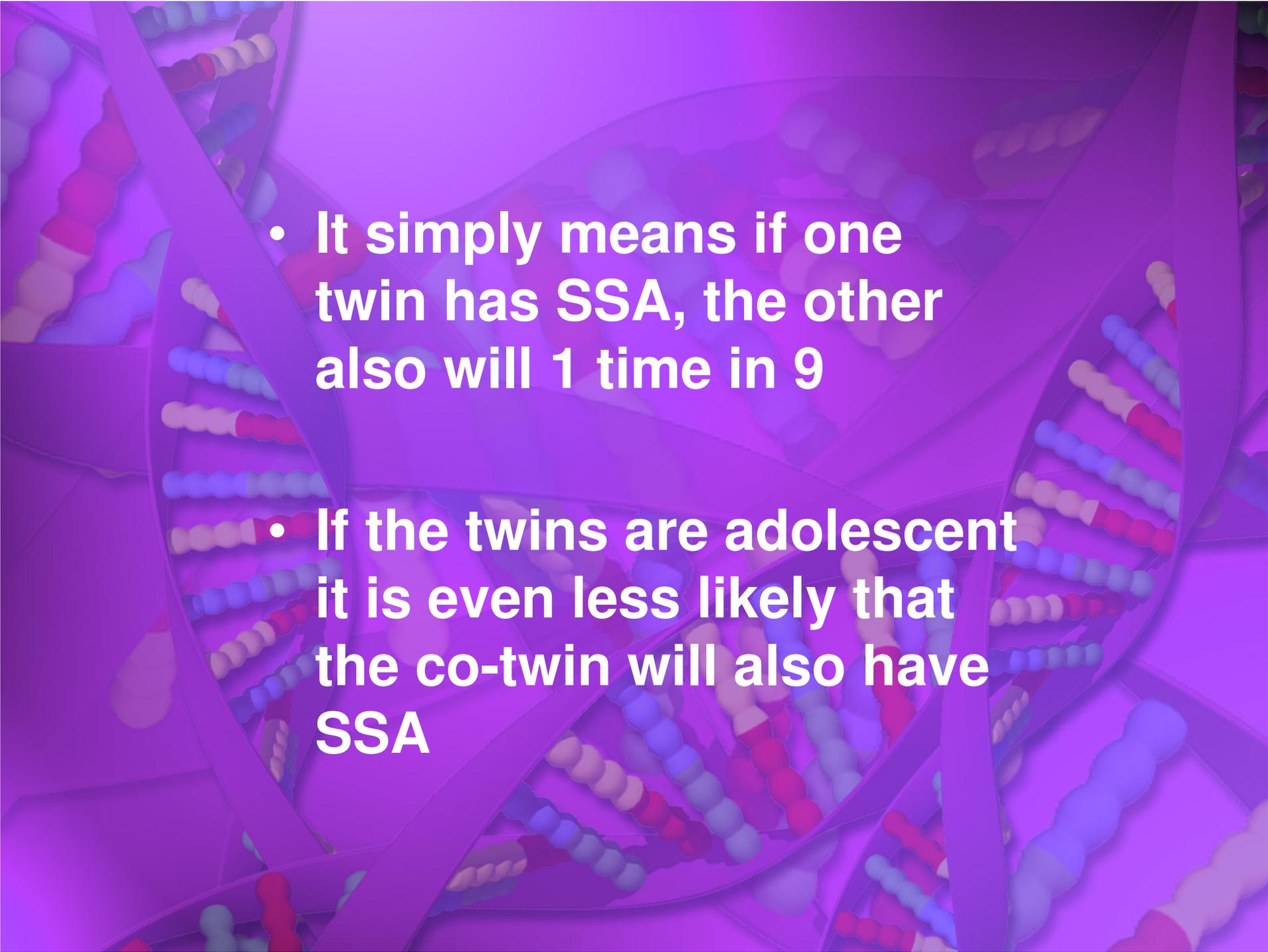
1 Lung Cancer, 2 Criminality, 3 Stroke, 4 Breast Cancer, 5 Same Sex Attraction, 6 Leukemia, 7 Malformation, 8 Alzheimer's, 9 Ulcerative Colitis, 10 Rheumatoid Arthritis, 11 Alcoholism, 12 Schizophrenia, 13 Depression, 14 Suicide attempt, 15 Diabetes type I, 16 Divorce, 17 Crohn's disease, 18 Asthma, 19 Hypertension, 20 Co twin is best friend, 21 Diabetes type II, 22 Autism, 23 Opposite Sex Attraction, 24 Phenylketonuria

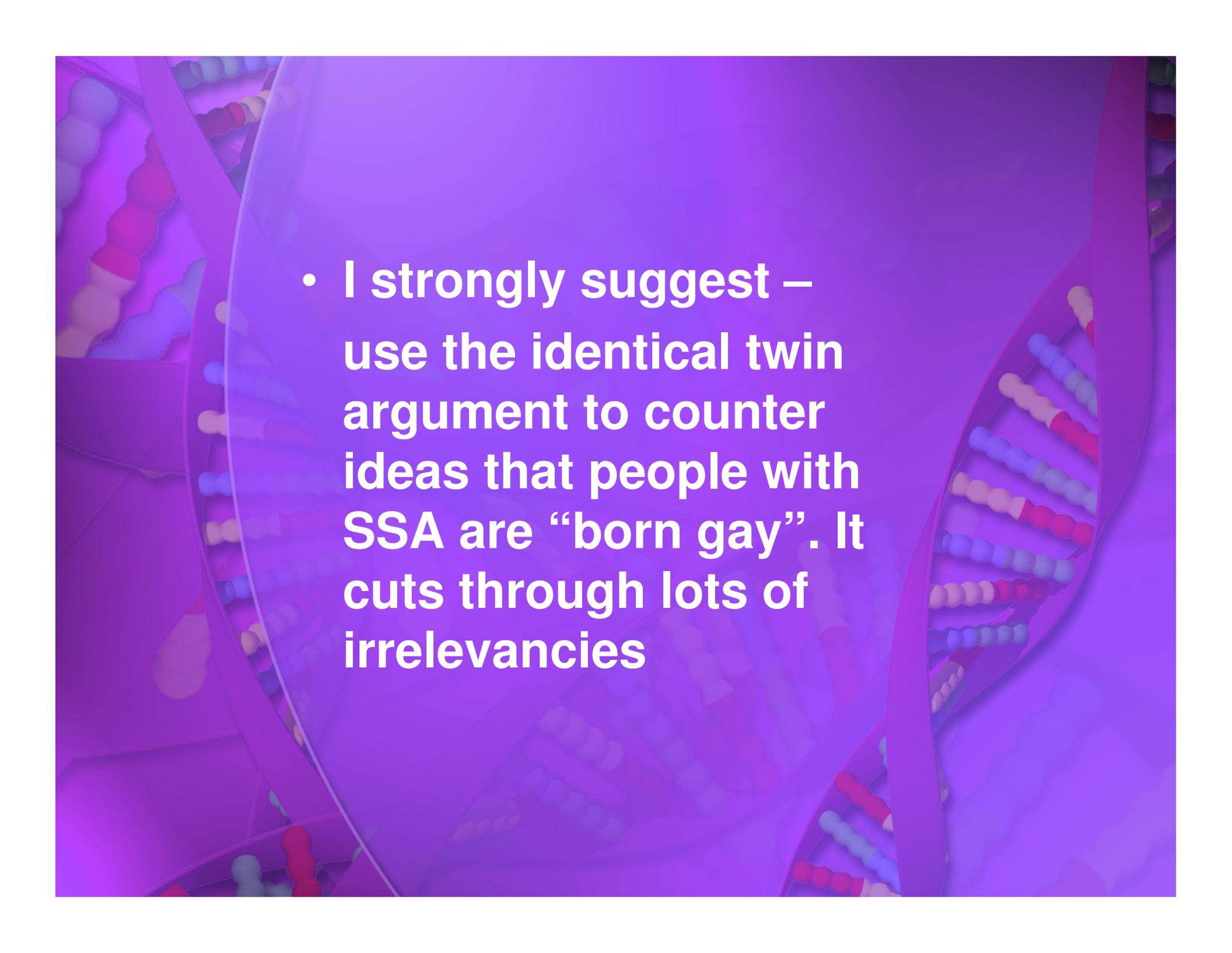
- **OSA has a high contribution from upbringing and genes**
- **SSA is mostly chance!**

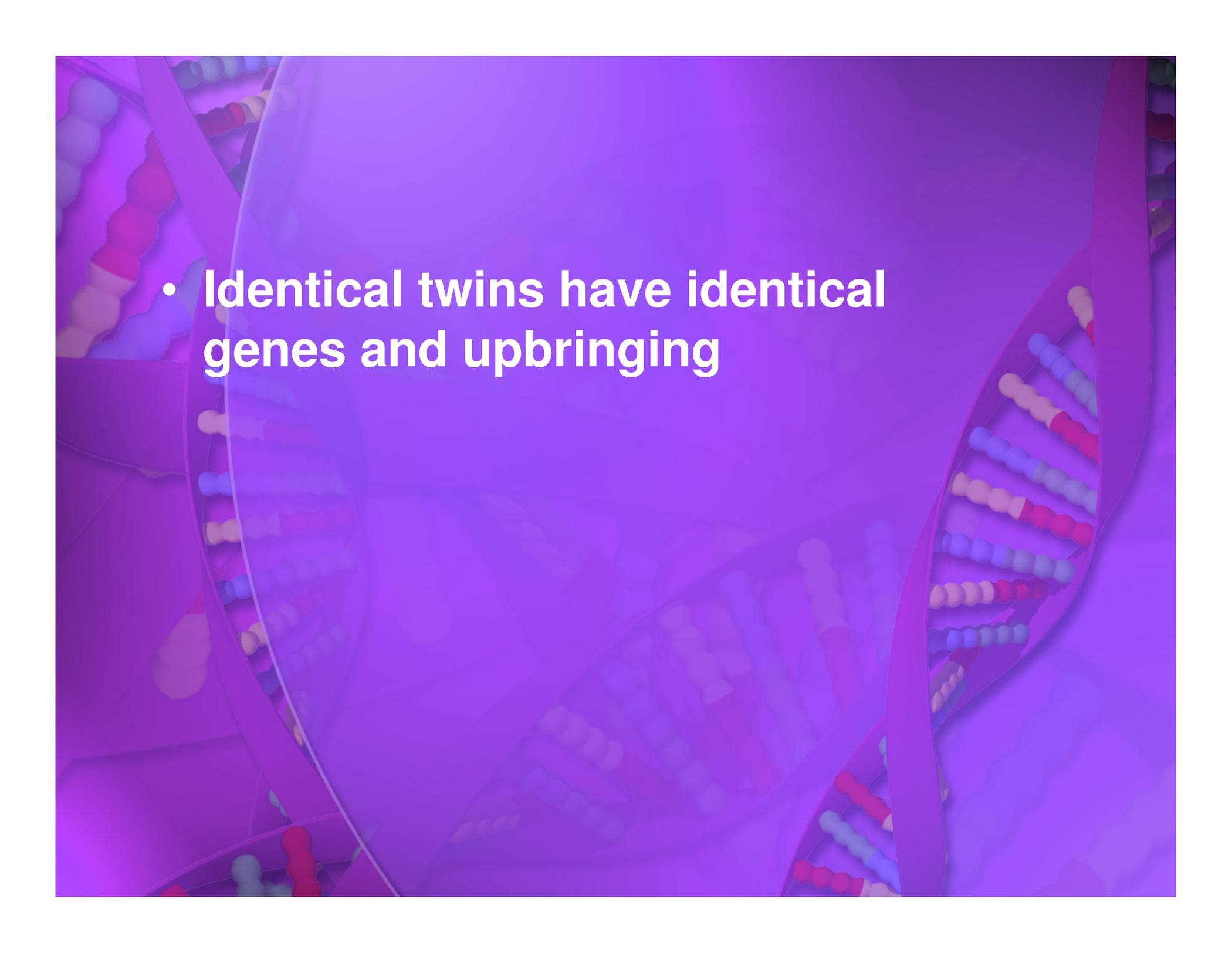


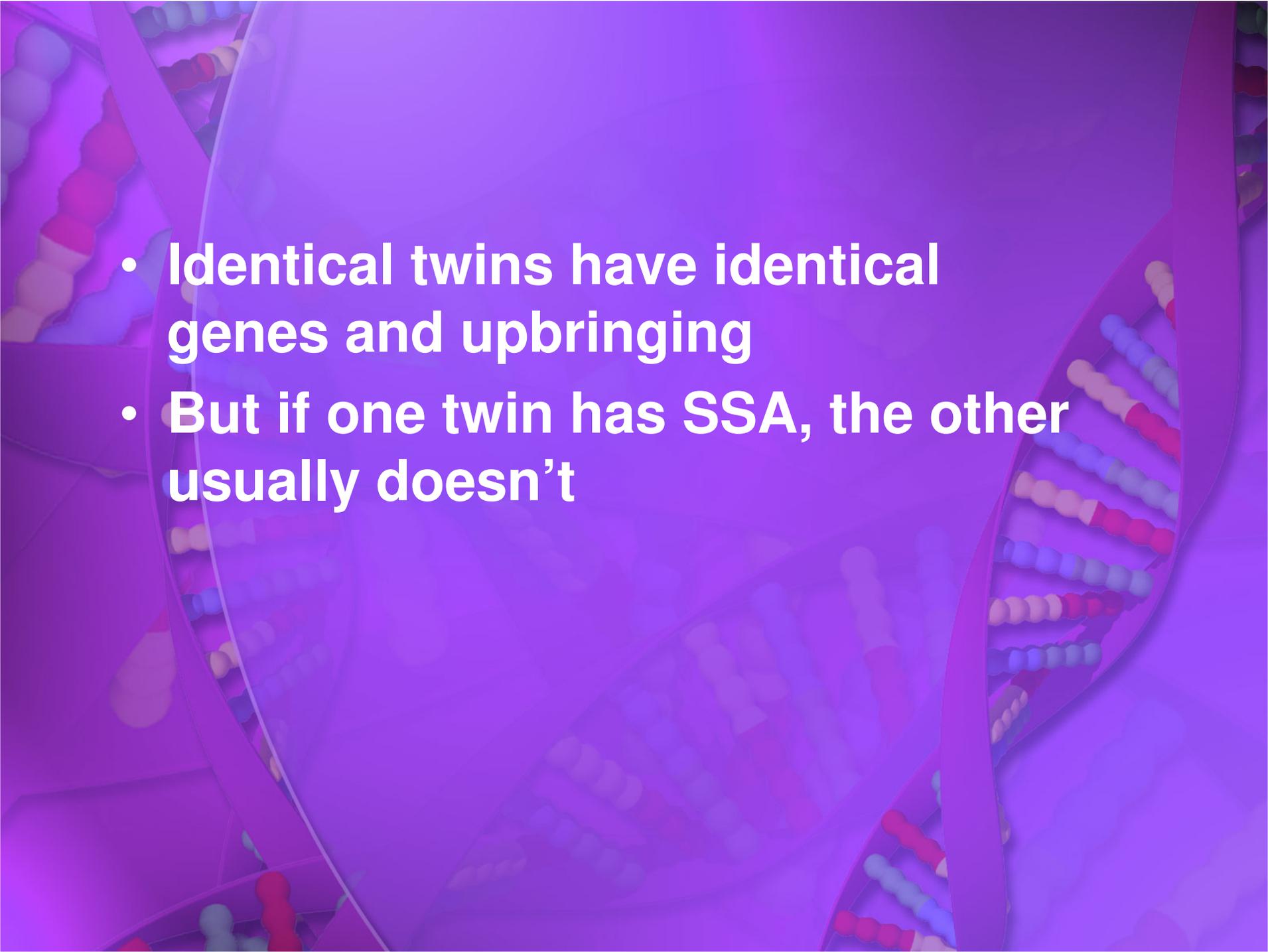
- 
- This does *not* mean that 11% of the population has SSA (only 2-3% do)
 - It does *not* mean that 11% of identical twins have SSA (only about 2-3% do)

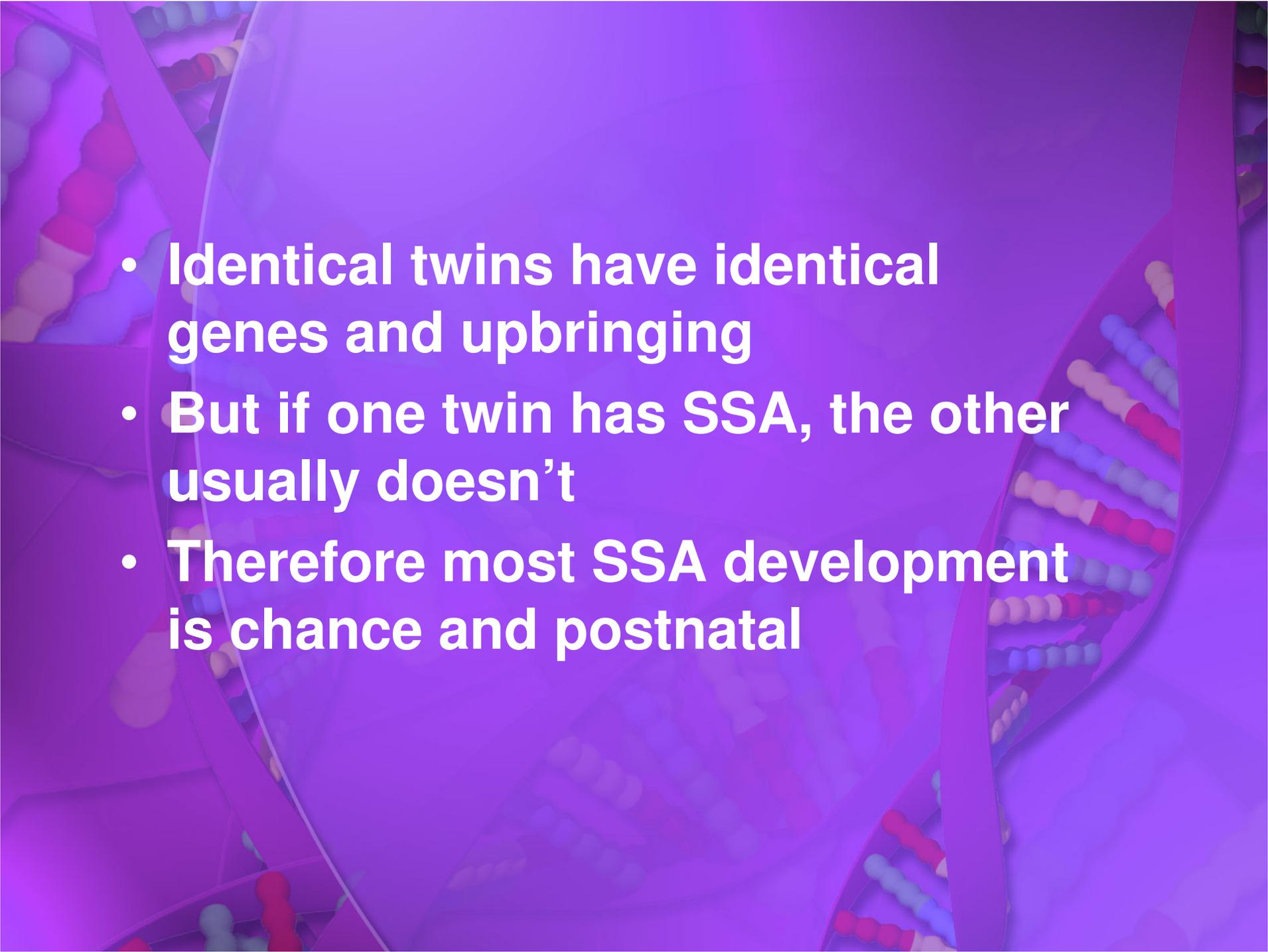
- 
- This does *not* mean that 11% of twins are genetically affected with SSA and all other twins aren't. In fact everybody in the world shares whatever genetic influence there may be on SSA

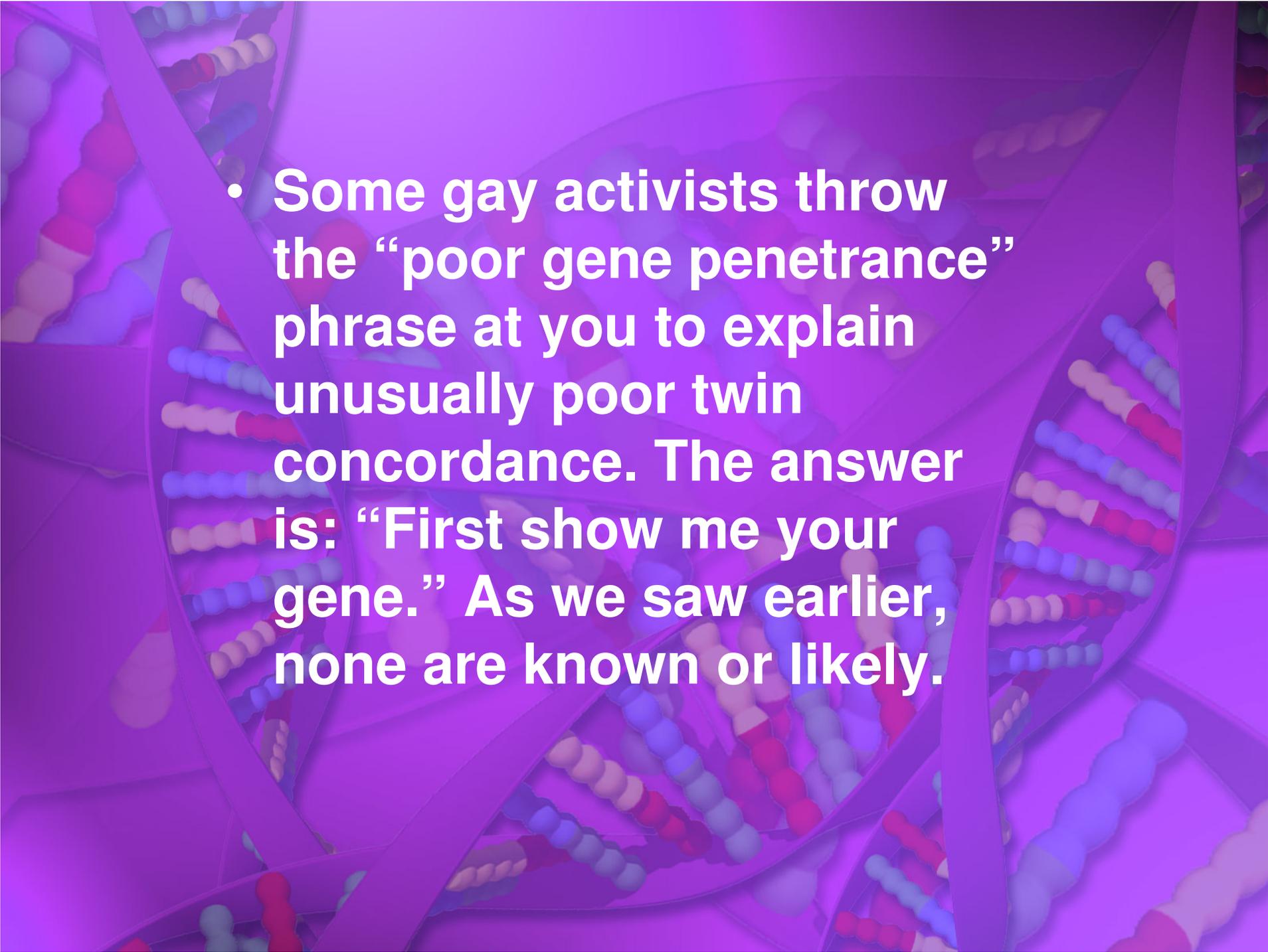
- 
- It simply means if one twin has SSA, the other also will 1 time in 9
 - If the twins are adolescent it is even less likely that the co-twin will also have SSA

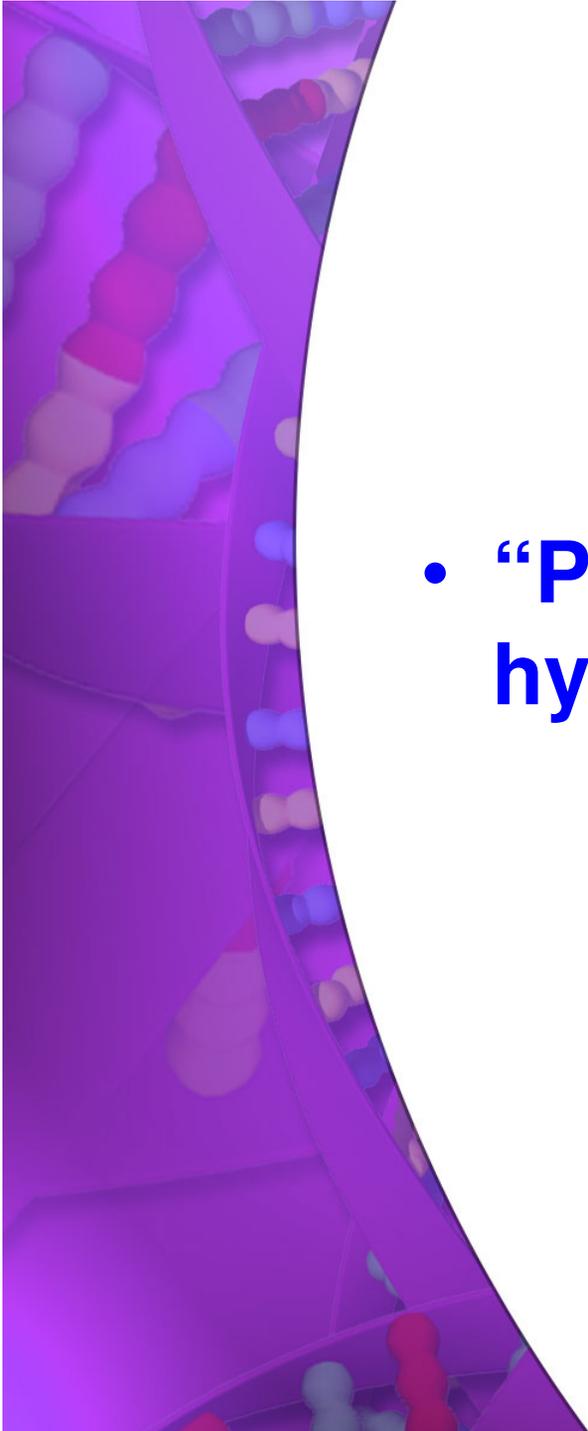
- 
- I strongly suggest – use the identical twin argument to counter ideas that people with SSA are “born gay”. It cuts through lots of irrelevancies

- 
- **Identical twins have identical genes and upbringing**

- 
- **Identical twins have identical genes and upbringing**
 - **But if one twin has SSA, the other usually doesn't**

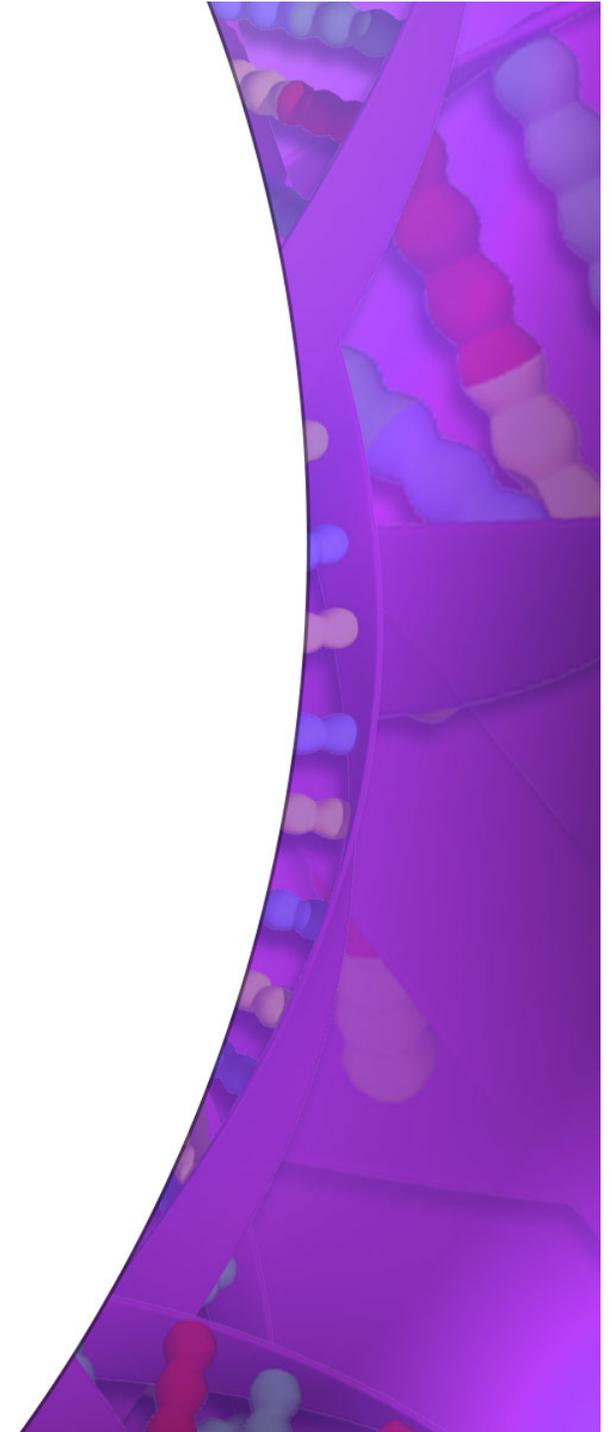
- 
- **Identical twins have identical genes and upbringing**
 - **But if one twin has SSA, the other usually doesn't**
 - **Therefore most SSA development is chance and postnatal**

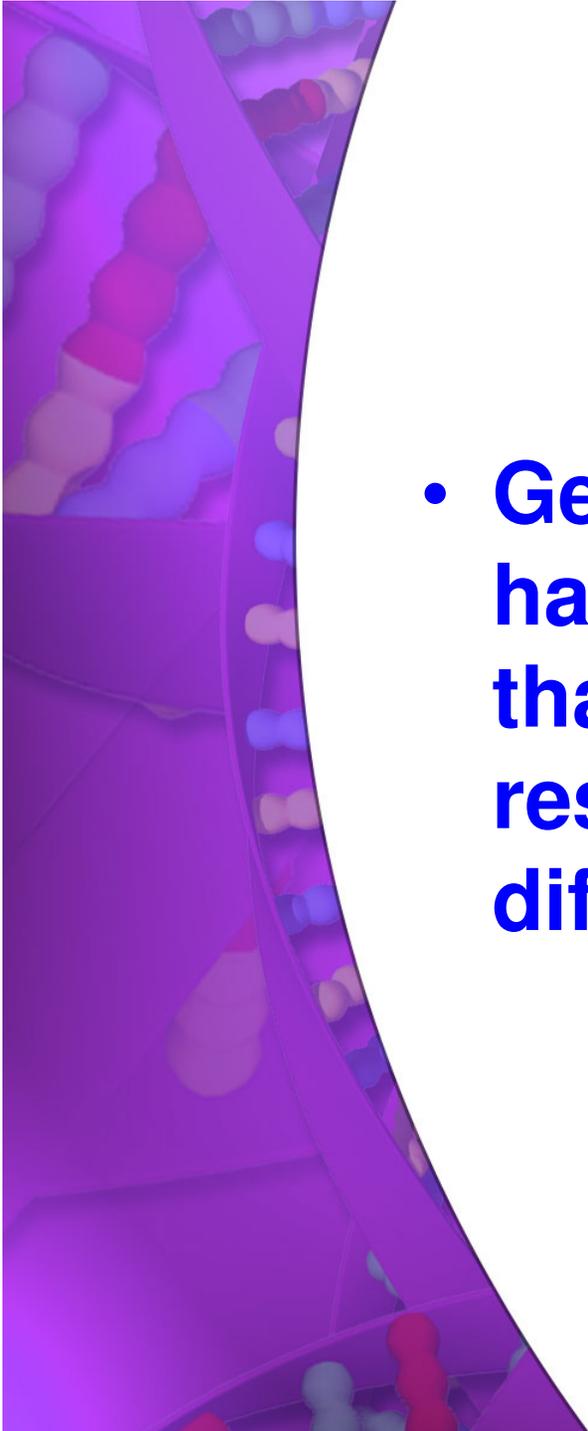
- 
- Some gay activists throw the “poor gene penetrance” phrase at you to explain unusually poor twin concordance. The answer is: “First show me your gene.” As we saw earlier, none are known or likely.



- **“Poor gene penetrance” piles hypothesis on hypothesis**

- **You could say:
“Come back
when a gene is
found, and then
we’ll argue about
penetrance.”**

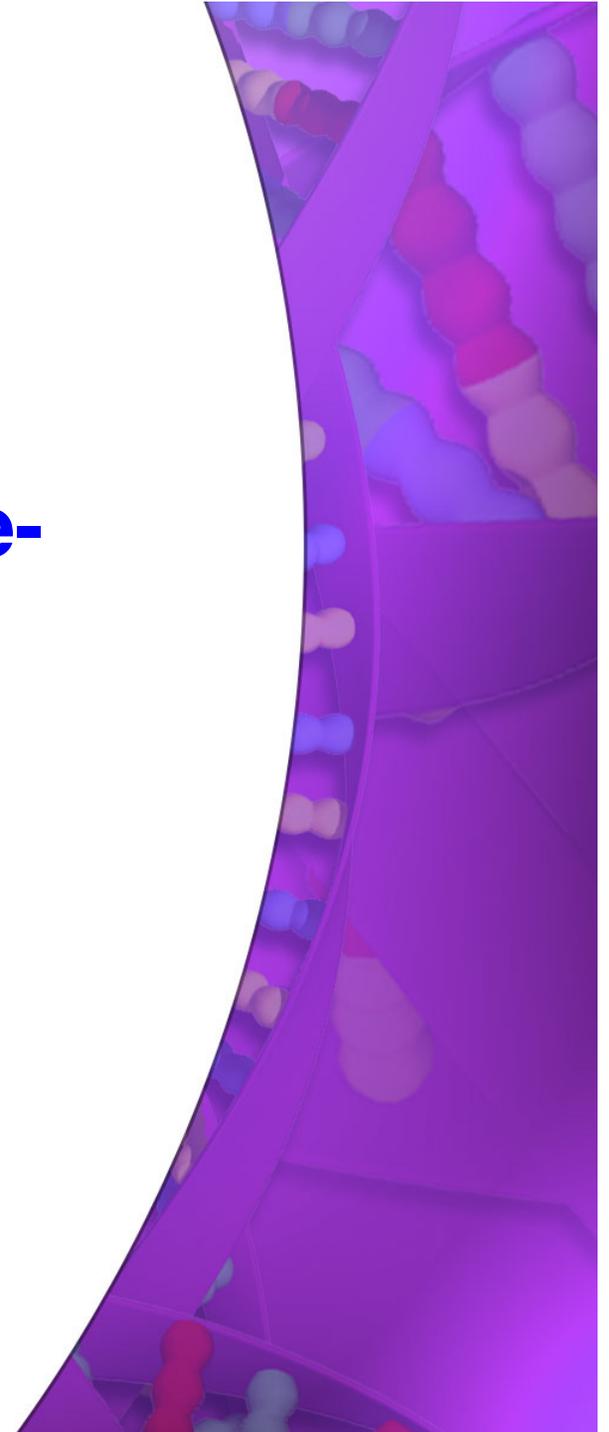




- **Genetics and Upbringing have a more modest effect than expected. That is why researchers have had such difficulty in the past**

- **So – to answer the age-old question – is SSA nature or nurture?**

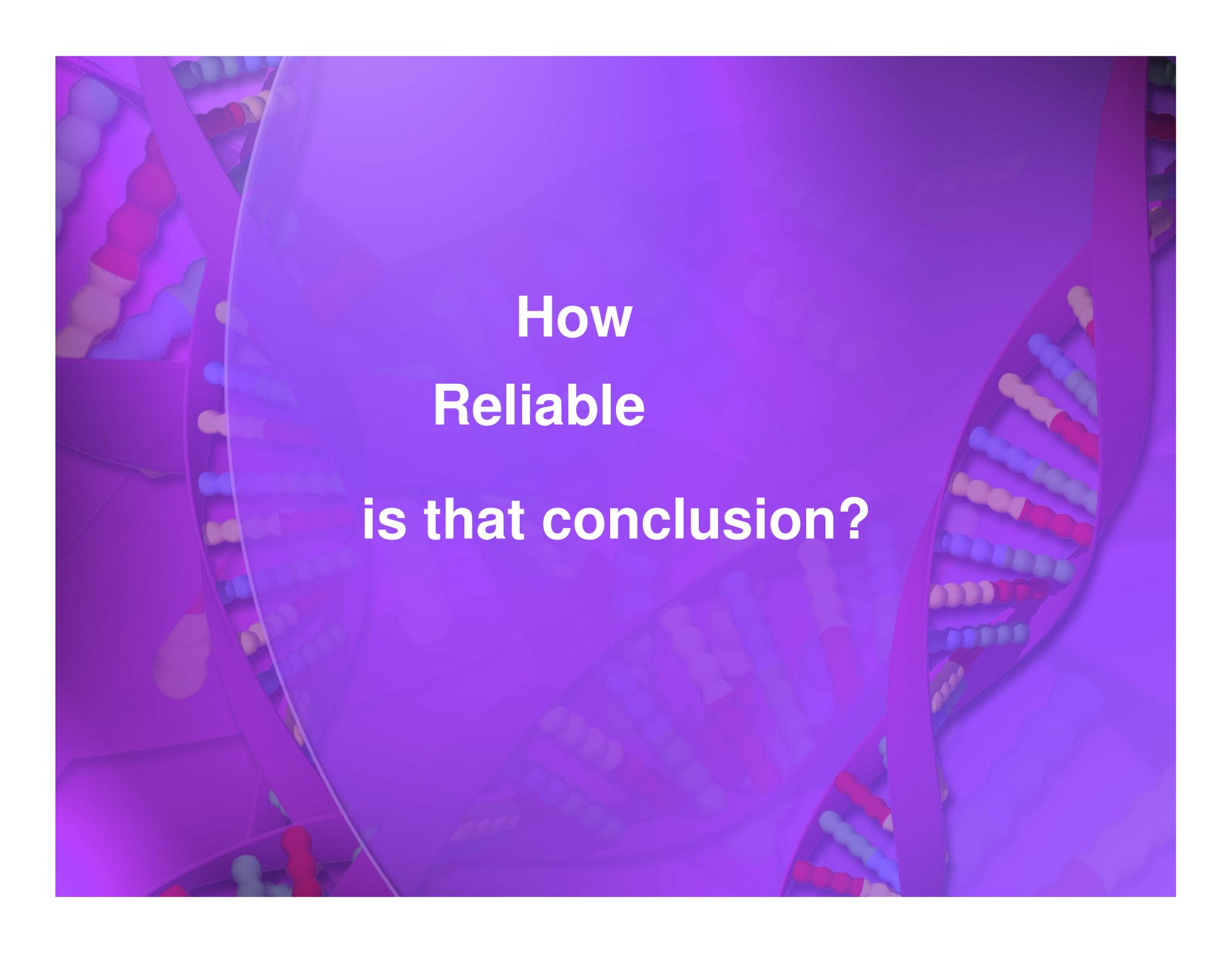
The answer is:



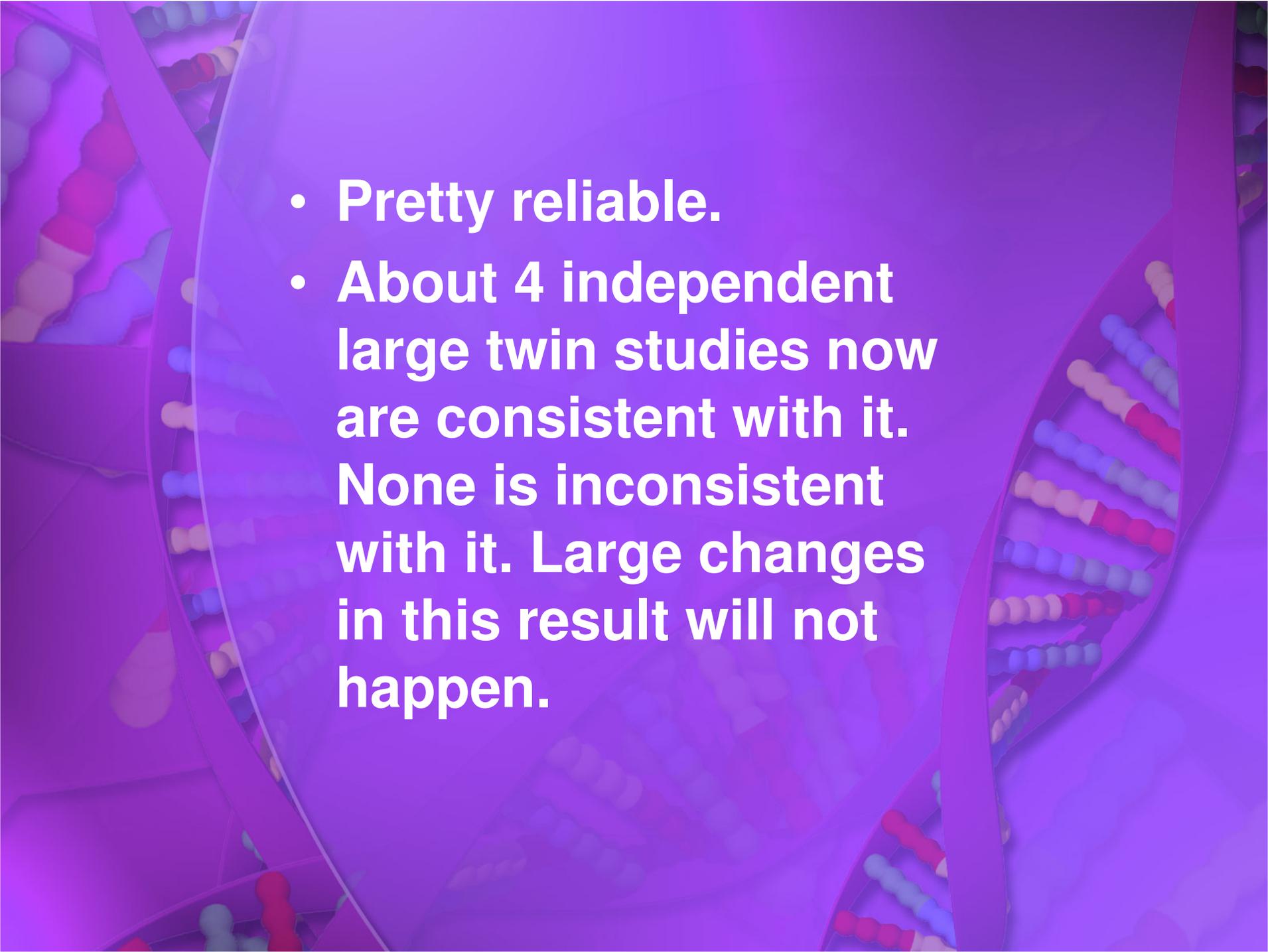


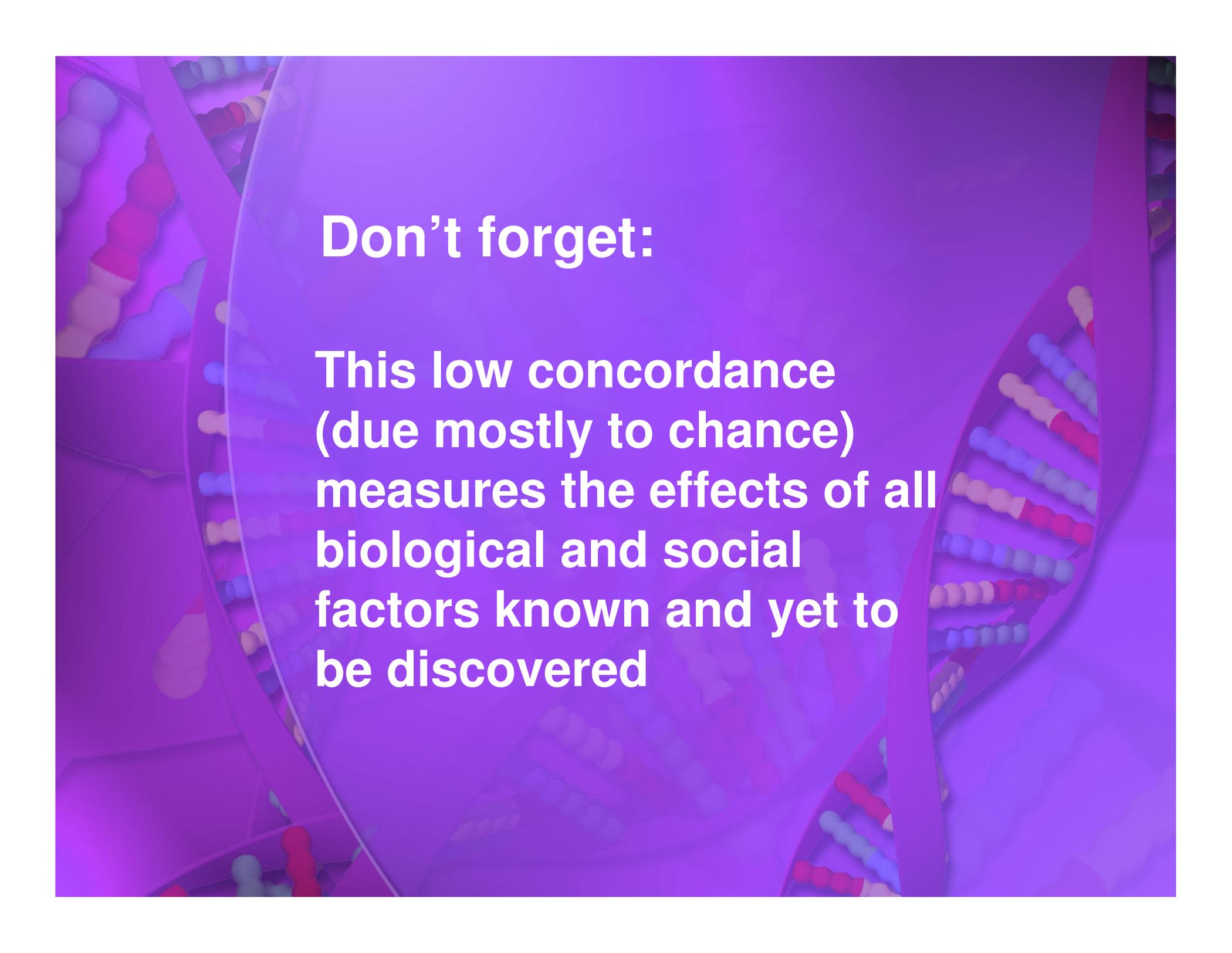
NEITHER

– it is mostly
chance!



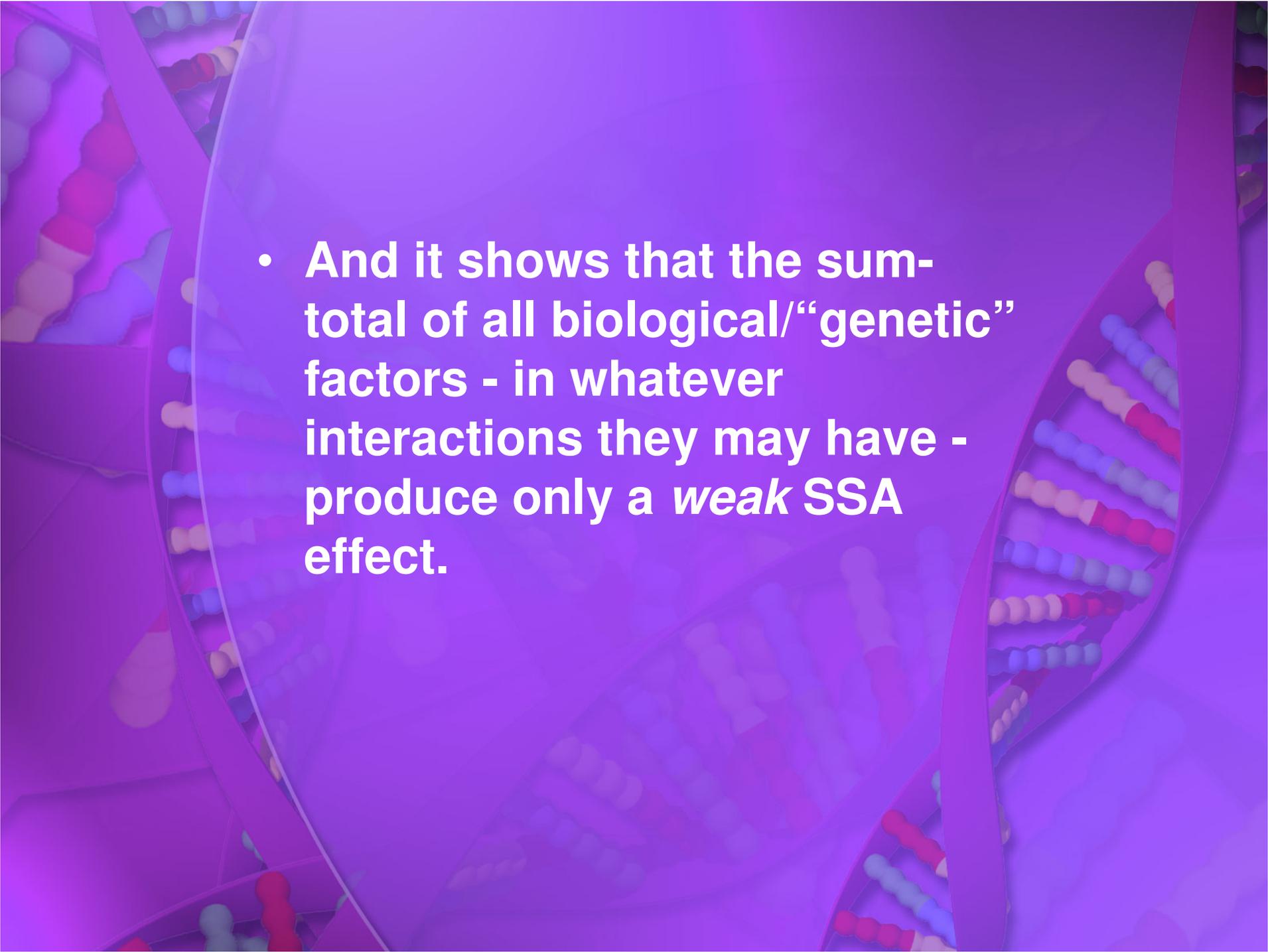
**How
Reliable
is that conclusion?**

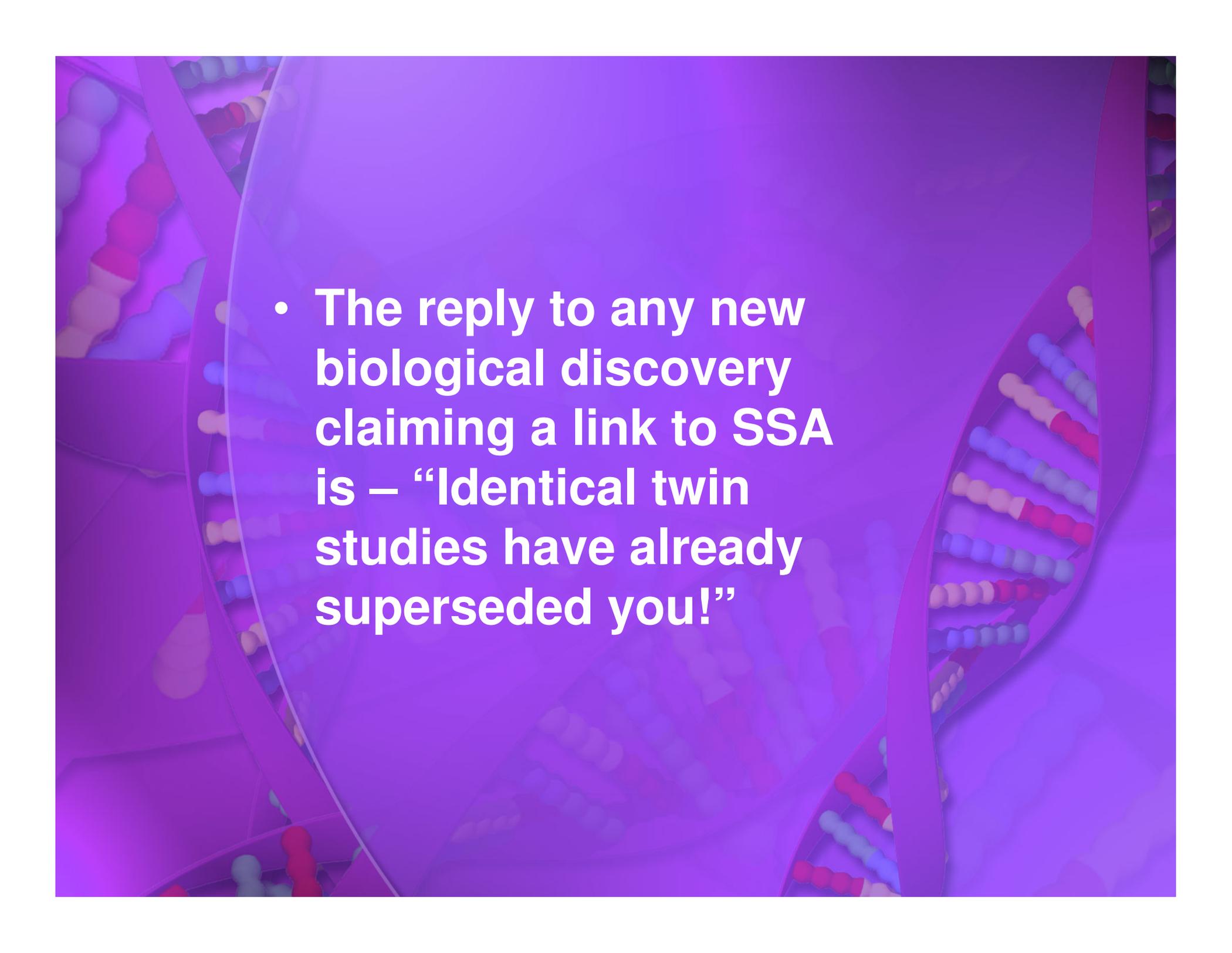
- 
- **Pretty reliable.**
 - **About 4 independent large twin studies now are consistent with it. None is inconsistent with it. Large changes in this result will not happen.**



Don't forget:

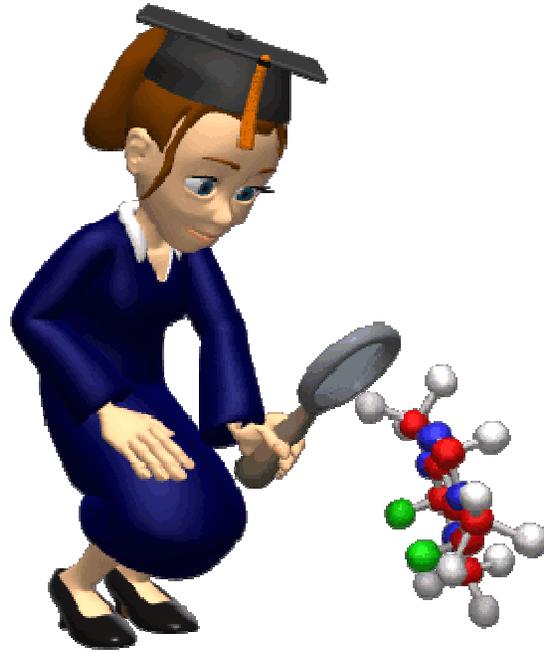
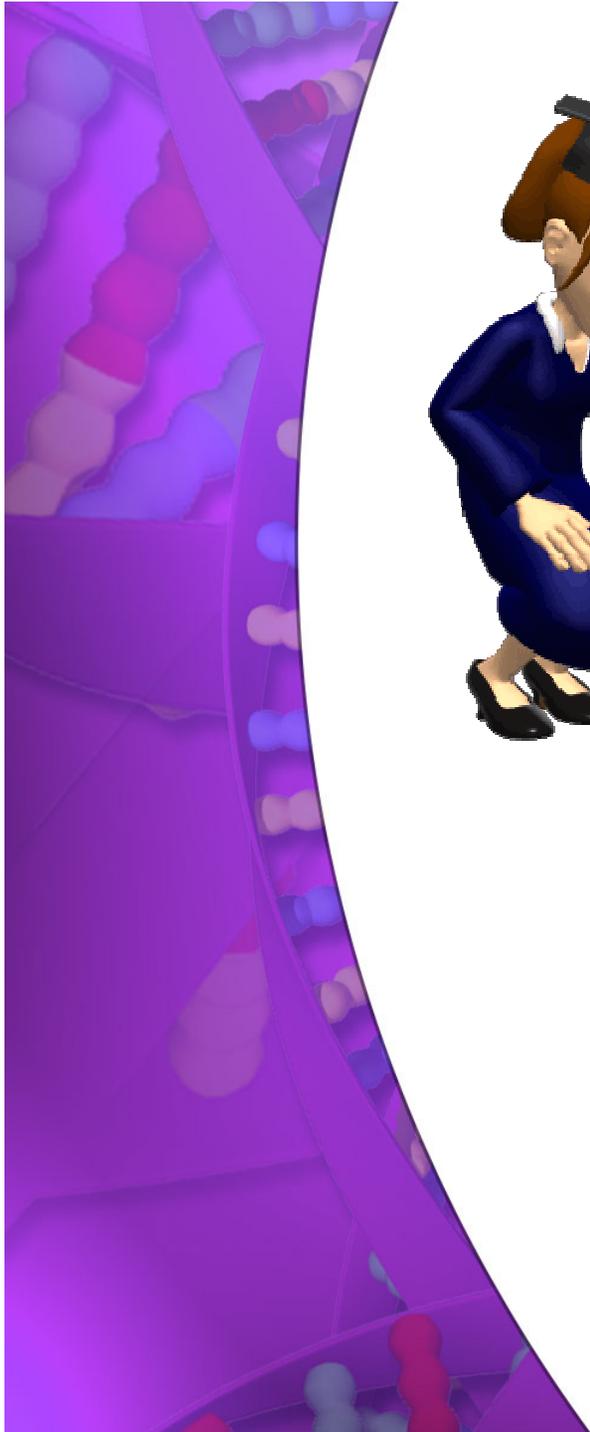
**This low concordance
(due mostly to chance)
measures the effects of all
biological and social
factors known and yet to
be discovered**

- 
- **And it shows that the sum-total of all biological/“genetic” factors - in whatever interactions they may have - produce only a *weak* SSA effect.**

- 
- **The reply to any new biological discovery claiming a link to SSA is – “Identical twin studies have already superseded you!”**

- 
- **Consider yourselves all future-proofed!!**

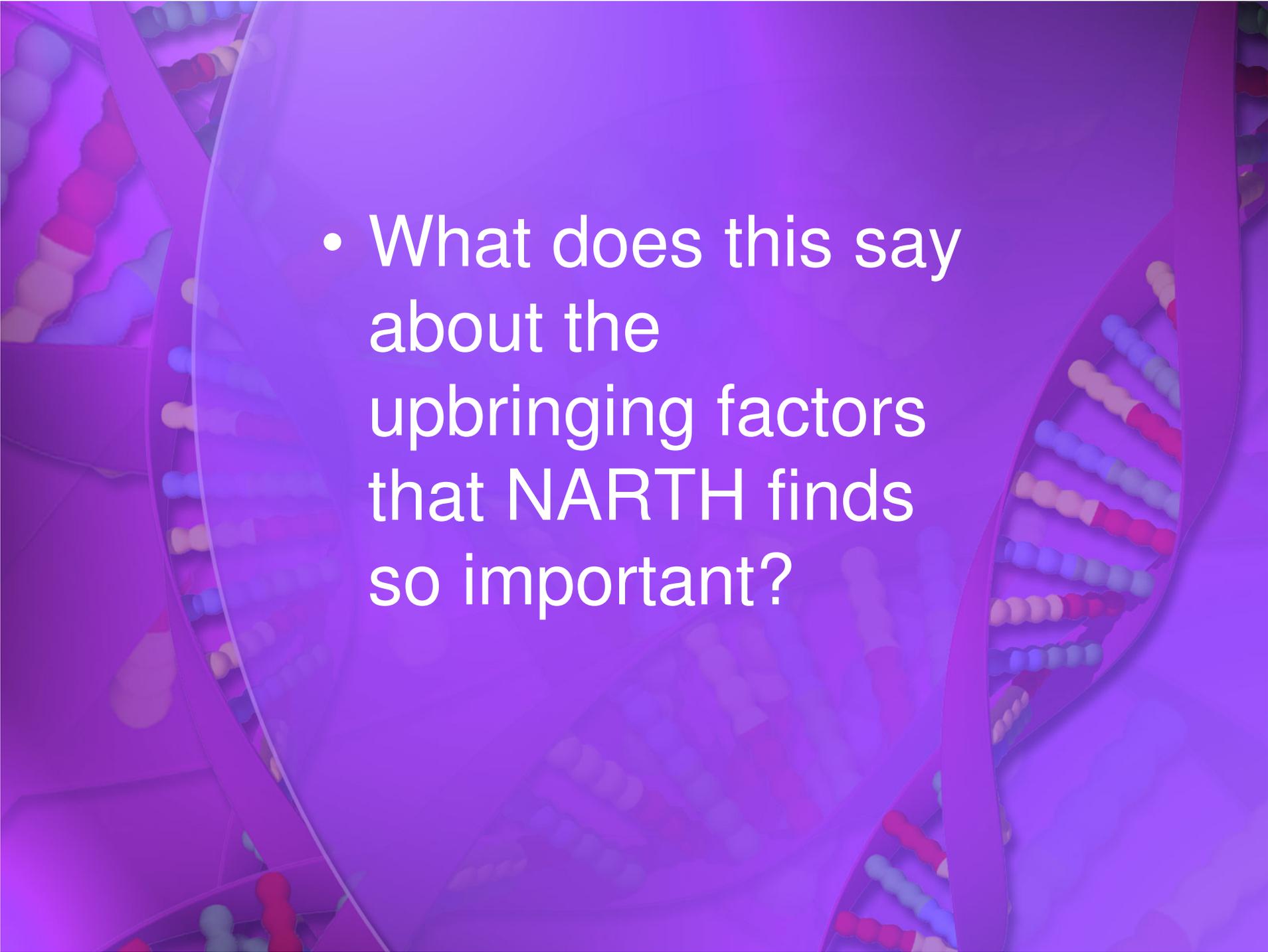


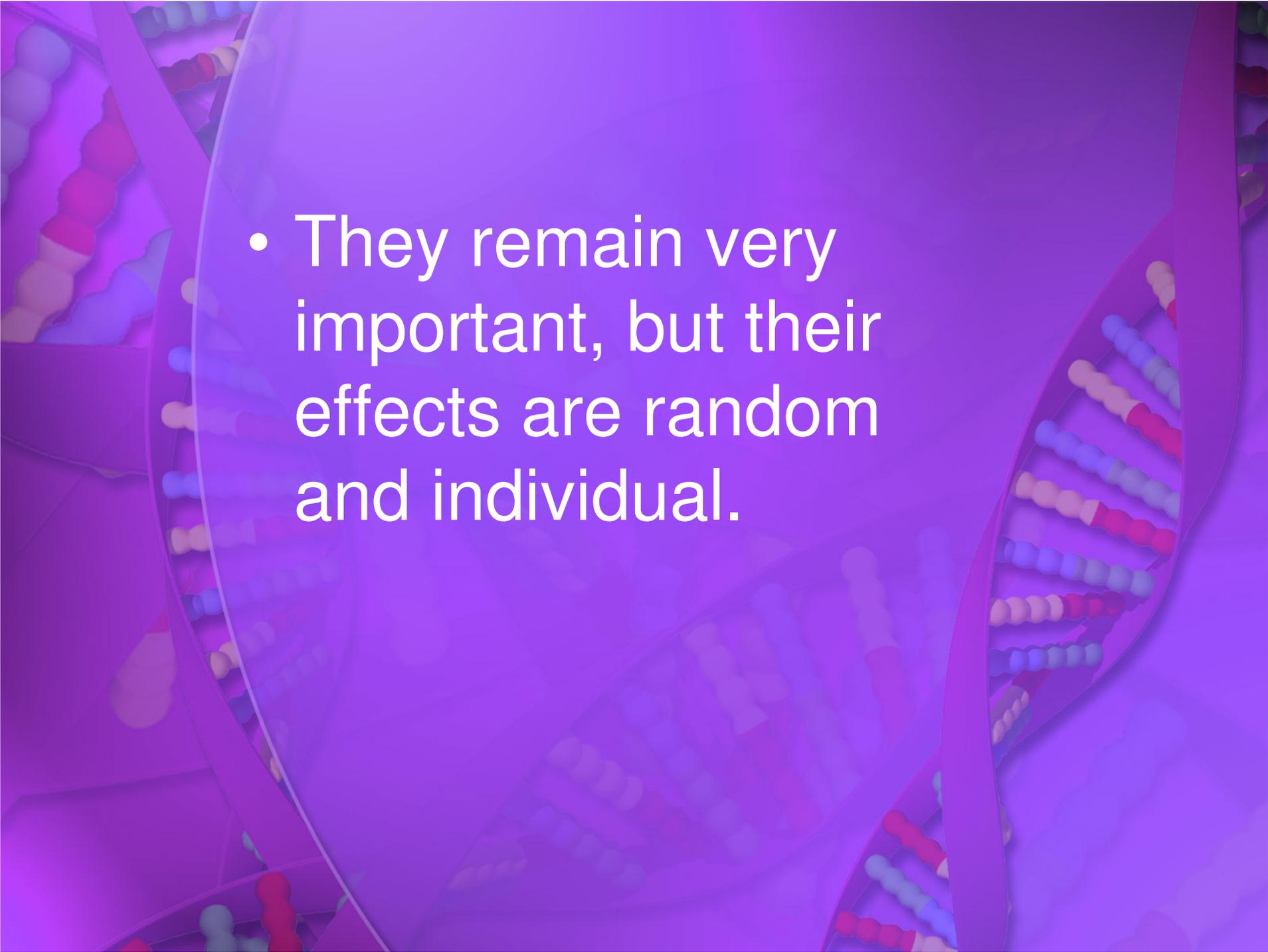


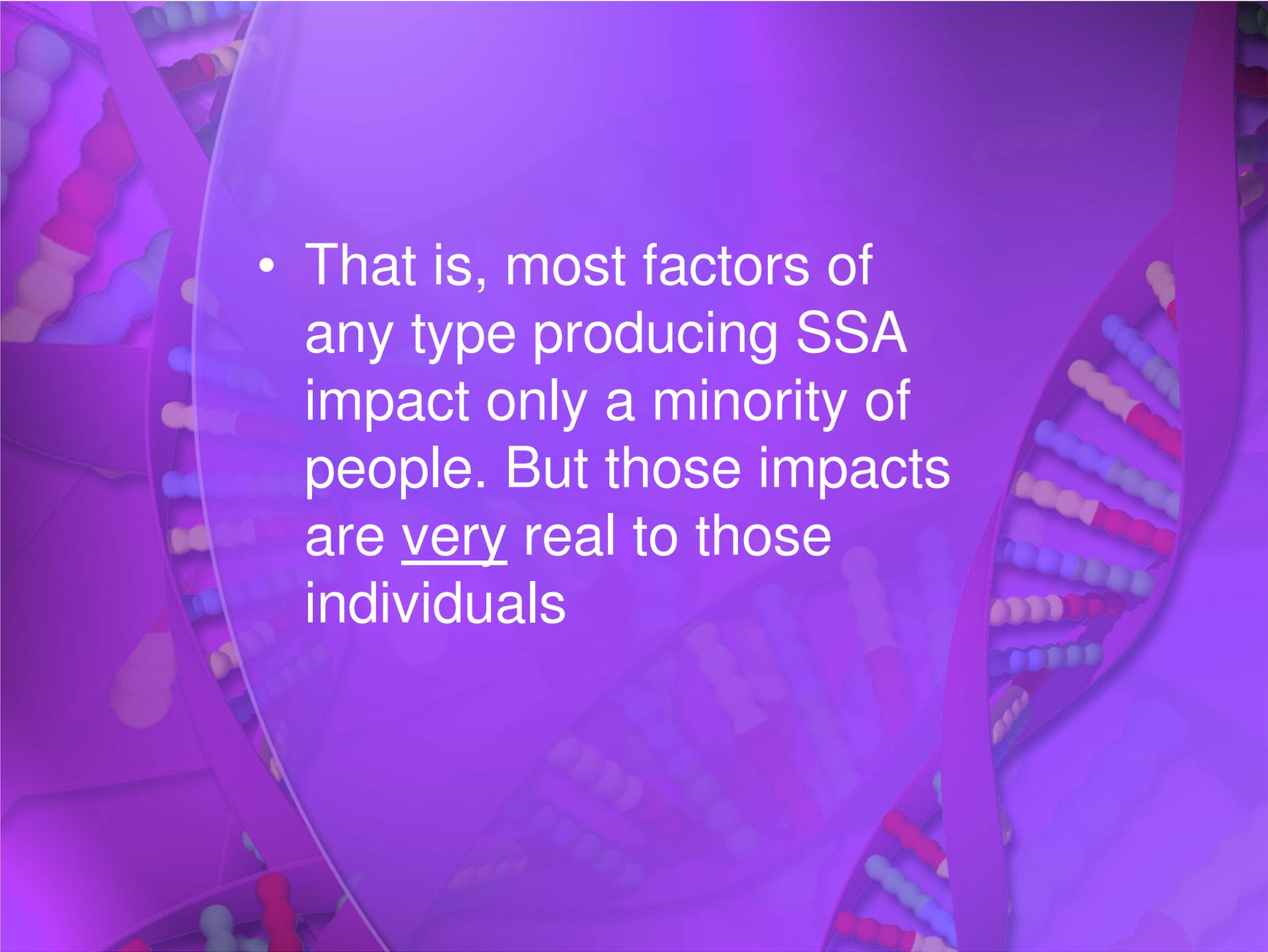
Any claimed biological influence, in any future research, will have only a weak & indirect effect on SSA development



- But

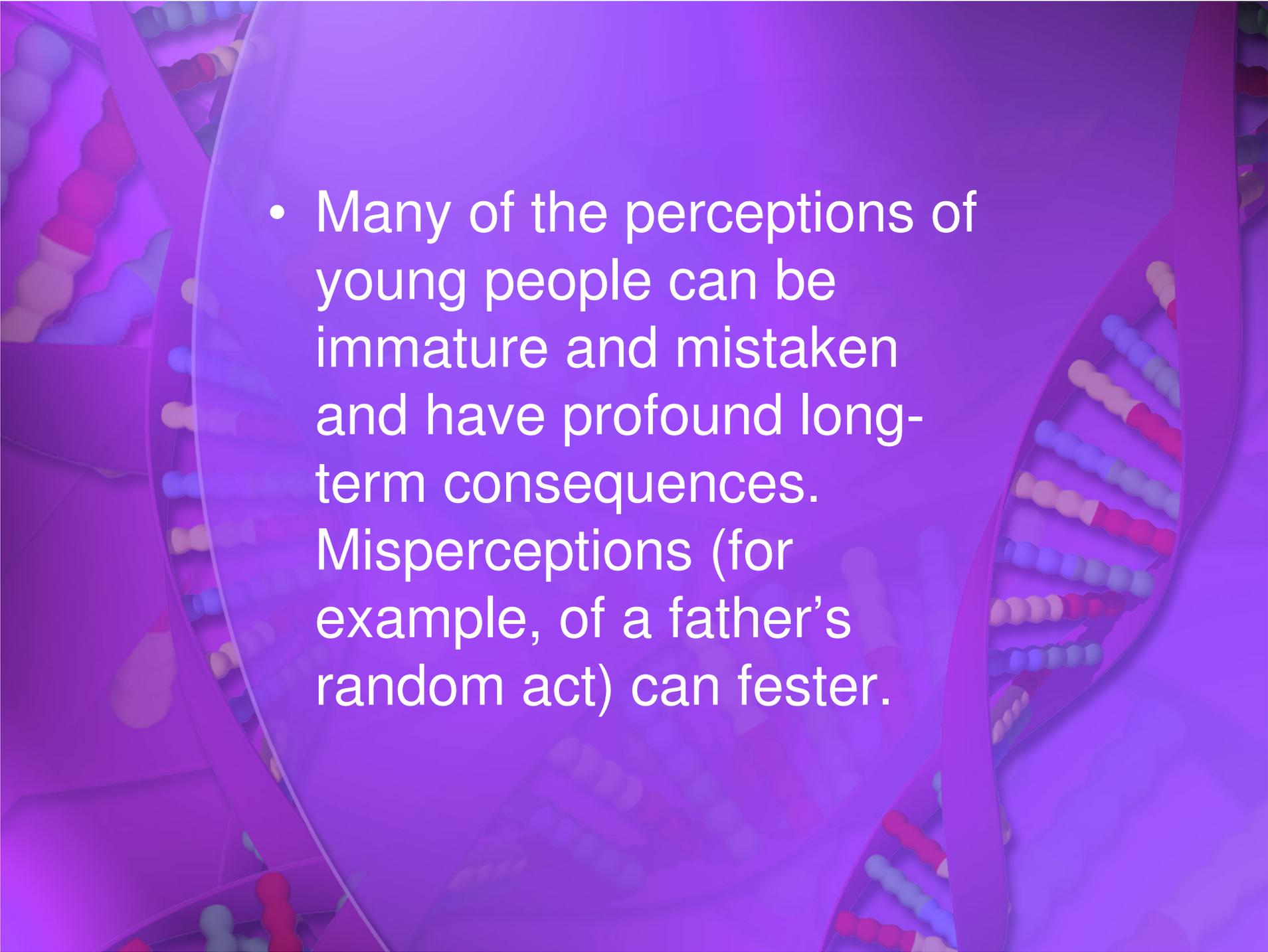
- 
- What does this say about the upbringing factors that NARTH finds so important?

- 
- They remain very important, but their effects are random and individual.

- 
- That is, most factors of any type producing SSA impact only a minority of people. But those impacts are very real to those individuals

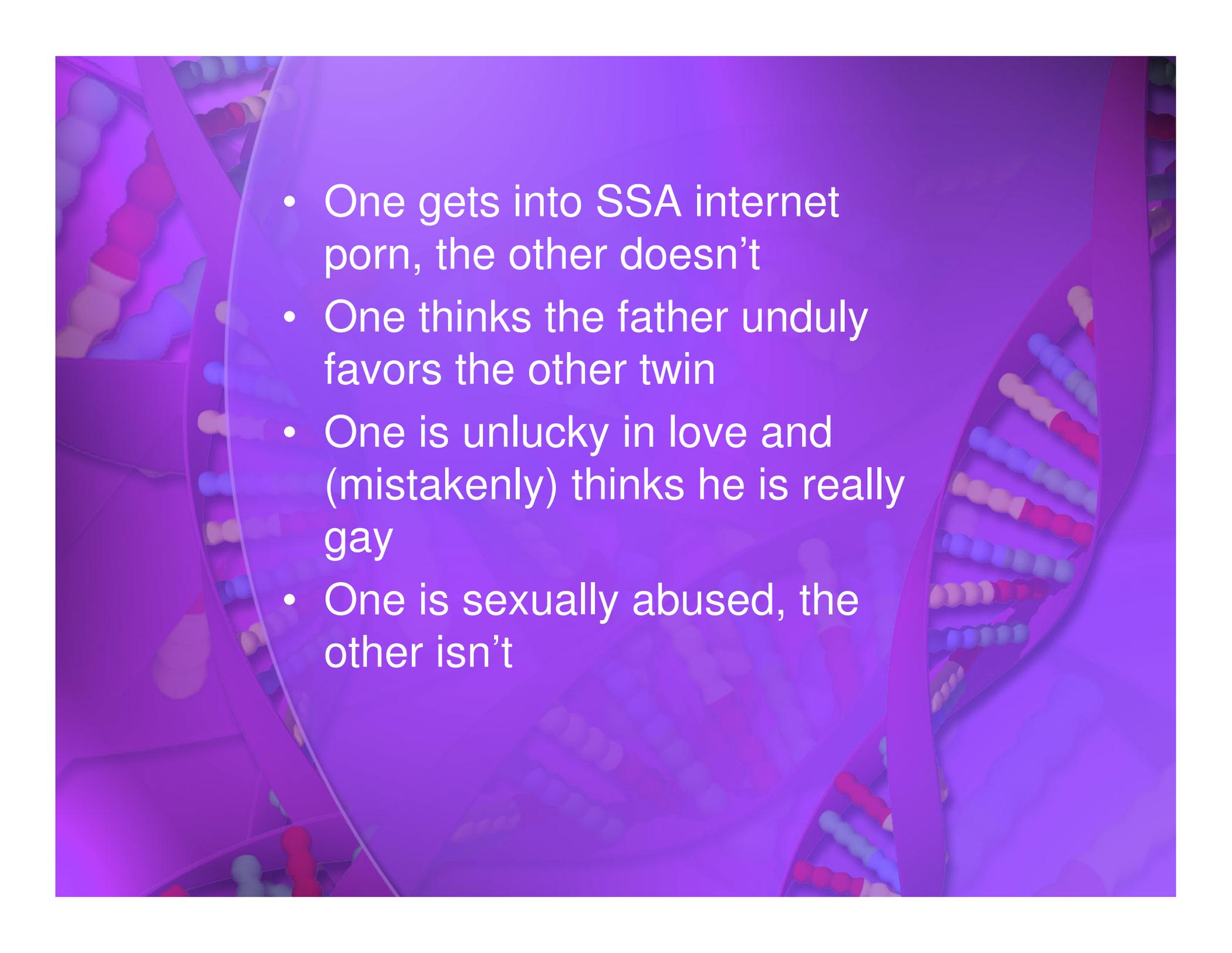


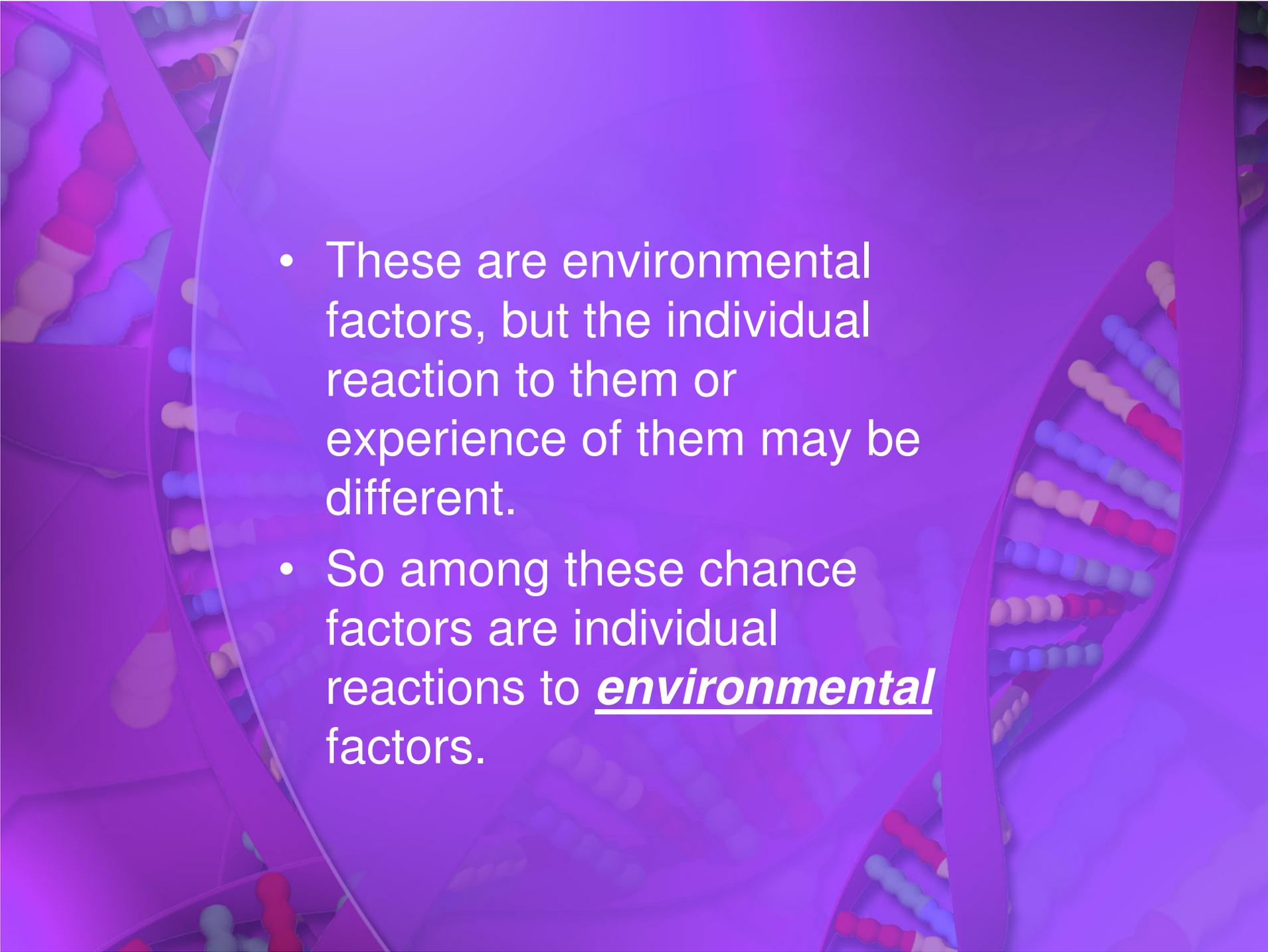
- Bailey interviewed identical twins discordant for SSA. He found they had perceived the same family situations differently! Even identical twins did not react completely identically

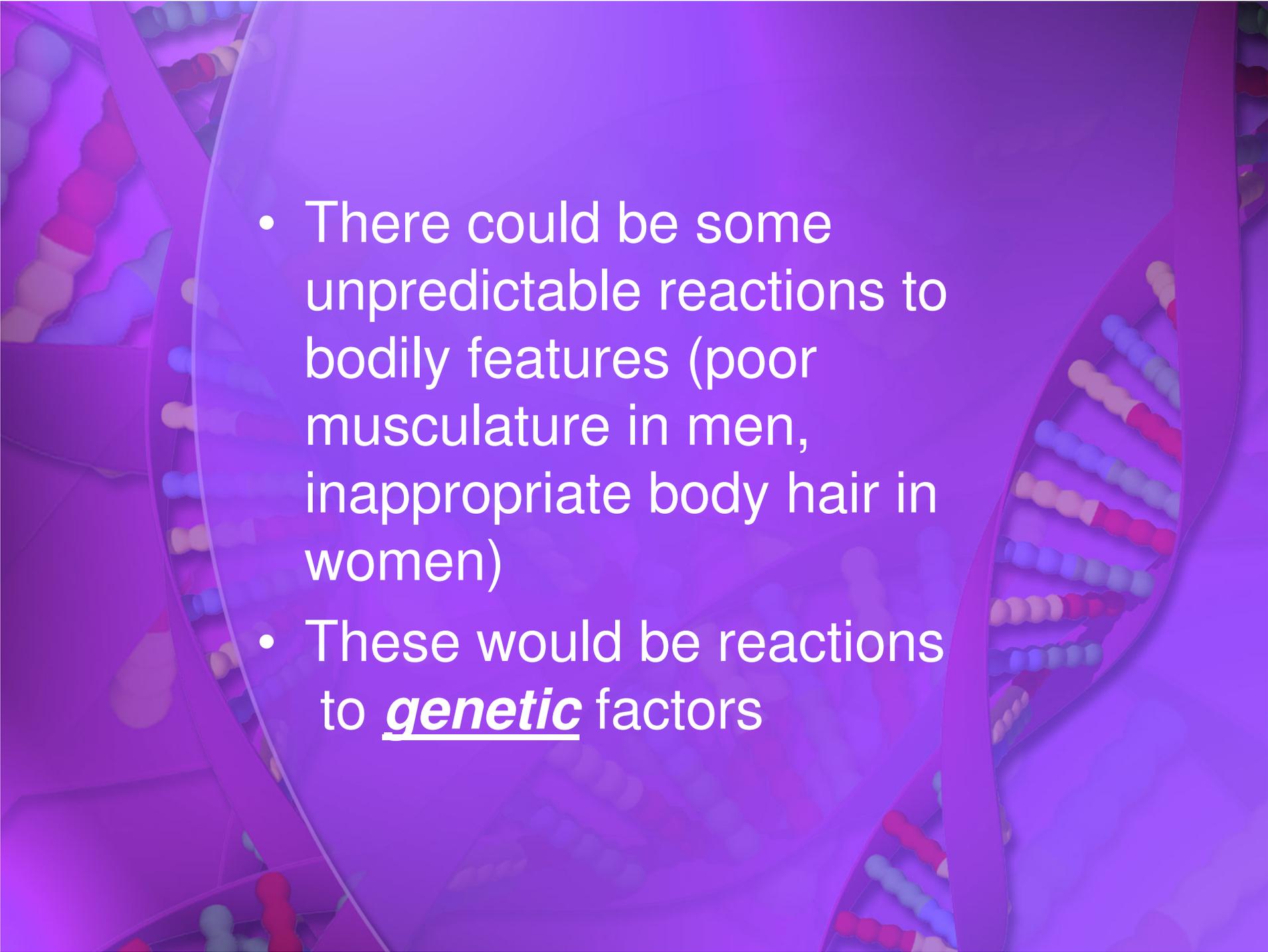
- 
- Many of the perceptions of young people can be immature and mistaken and have profound long-term consequences. Misperceptions (for example, of a father's random act) can fester.

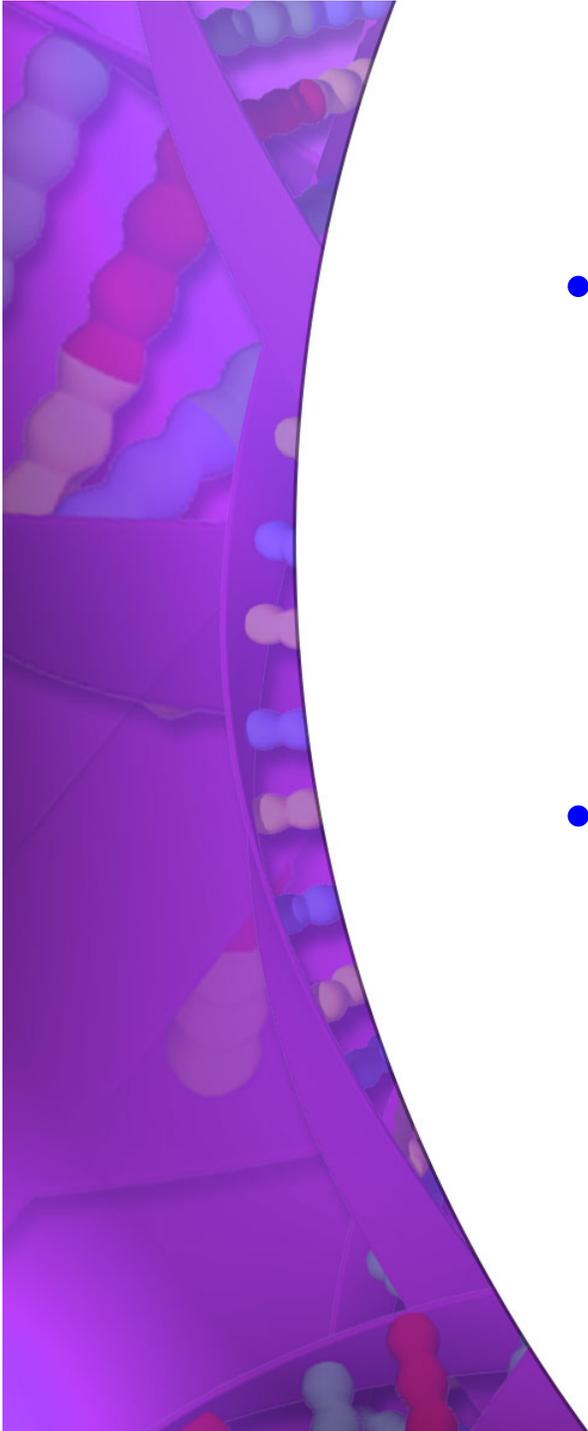
- What are random factors that could be different for identical twins?



- 
- One gets into SSA internet porn, the other doesn't
 - One thinks the father unduly favors the other twin
 - One is unlucky in love and (mistakenly) thinks he is really gay
 - One is sexually abused, the other isn't

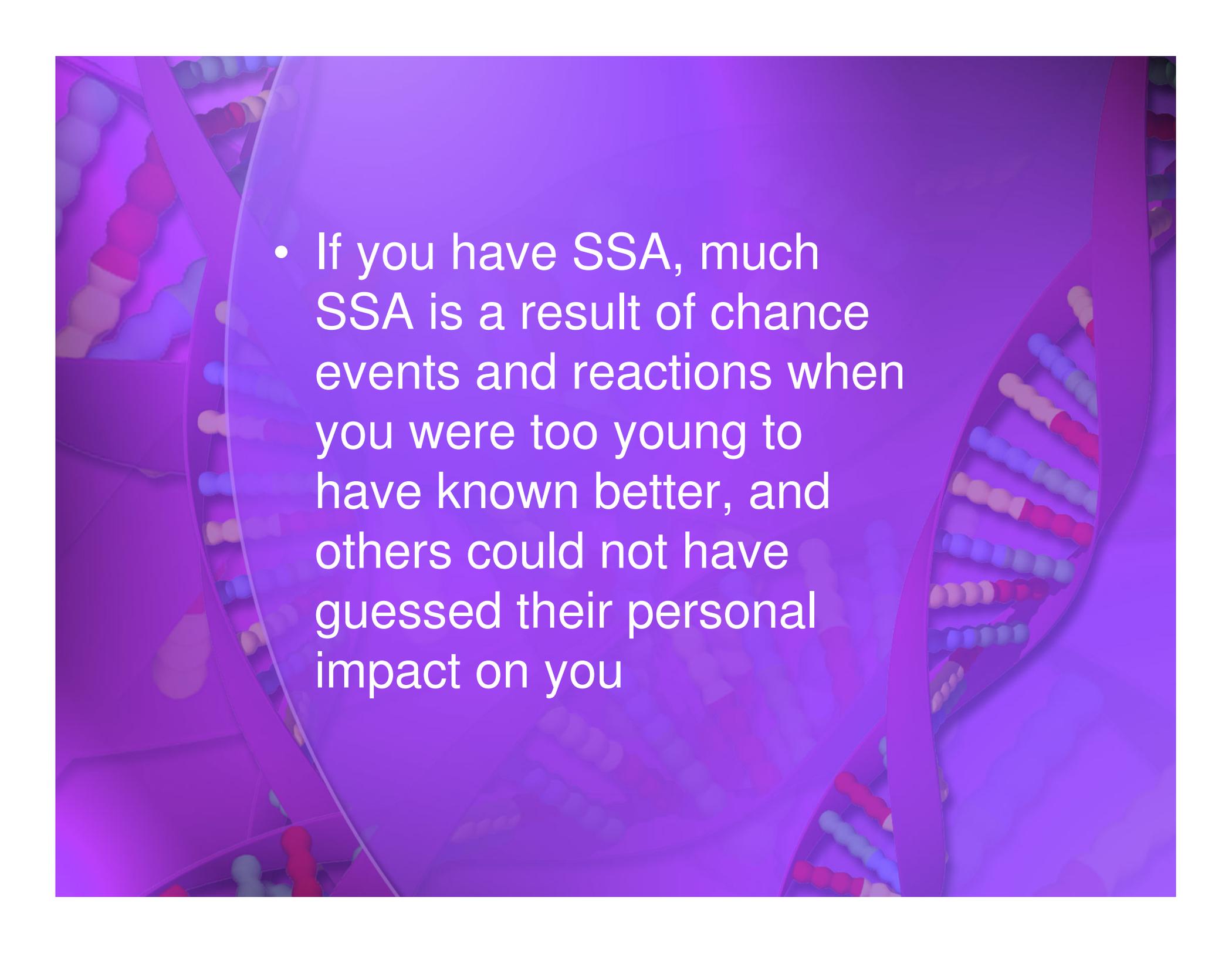
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- These are environmental factors, but the individual reaction to them or experience of them may be different.
 - So among these chance factors are individual reactions to *environmental* factors.

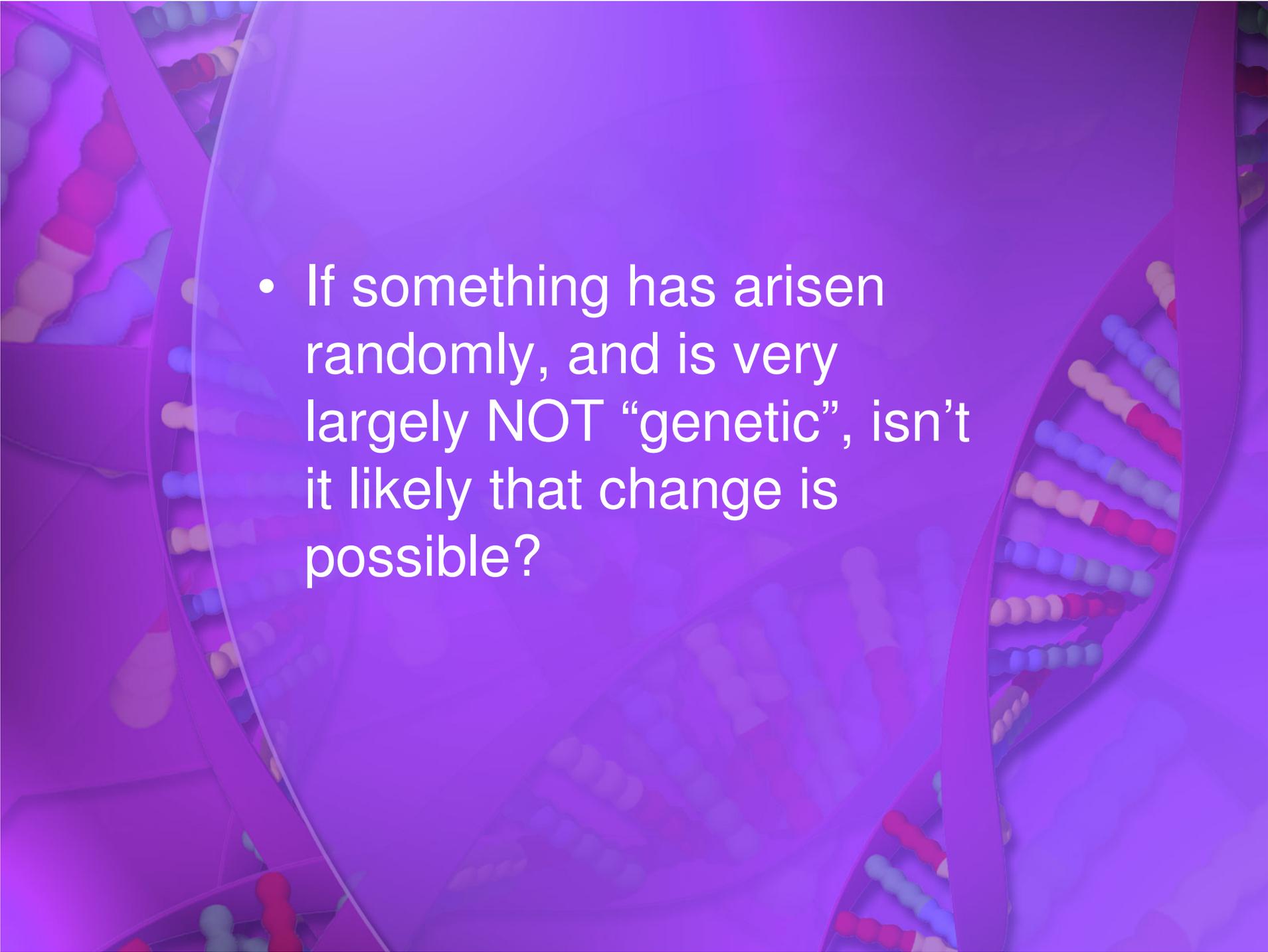
- 
- There could be some unpredictable reactions to bodily features (poor musculature in men, inappropriate body hair in women)
 - These would be reactions to *genetic* factors



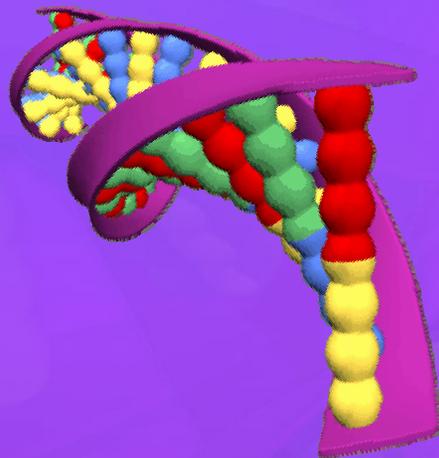
- NARTH is right to say many social factors are important in the development of SSA – indeed they may be critical.
- But the sociology says that most people brush off those factors – while a few deeply affected by them go on to develop SSA

- 
- One consequence:
Parents, you are
mostly not directly
responsible!

- 
- If you have SSA, much SSA is a result of chance events and reactions when you were too young to have known better, and others could not have guessed their personal impact on you

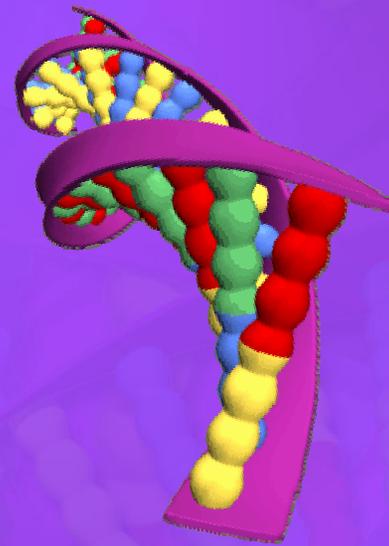
- 
- If something has arisen randomly, and is very largely NOT “genetic”, isn’t it likely that change is possible?

Born Gay?



Born Gay?

NO !!



Born Gay?

NO!!

*And you can
continue on in
that confidence!!*

