

New neurological studies released about what's happening in your brain when you gamble

Submitted by: Super Casino

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By analysing the brains of volunteers involved in a competitive game scientists are exploring whether decisions made whilst gambling are influenced by your genetic make-up. So what's your brain doing whilst you are playing online SuperCasino games?

According to a Californian study that claims strategic betting behaviour is biological, gamblers are born and not made.

The study was to help observe 12 different genes that regulate dopamine in the prefrontal cortex or the in the striatum.

Scientists conducted the study involving one person betting, via computer with an anonymous opponent. From reviewing brain imaging studies of when people compete against each other scientists have actually been able to prove that they are actually engaging in two distinct types of learning processes.

One process is reinforcement learning, which is learning from the consequences of your own actions. The other is belief learning, where people try to make a mental model of the other players, in order to anticipate and respond to their actions.

The study concluded: belief learning was associated with variation in three genes which affect dopamine in the medial prefrontal cortex and reinforcement learning was associated with variation in two genes which affect dopamine in the striatum.

This therefore implies that if you have a variation of genetics with high dopamine levels, affecting your belief learning and your reinforcement learning equally, you are more likely to be a talented gambler.

A spokesperson for SuperCasino (<http://live.supercasino.com/>) stated: 'This is a very interesting study which could help explain why we have so many talented customers, and why gambling has been so popular for generations. With online gambling becoming increasingly popular it is fascinating to understand the different learning processes our customers go through every time they play our online games (<http://live.supercasino.com/>).

'SuperCasino has a never ending variety of online games which you can test your belief and reinforcement learning, and if you win you can thank Mum and Dad for giving you the genes to do so.'

With live roulette games broadcast on Channel 5 and Sky channel 862, SuperCasino is the longest running and most popular online TV casino in the world. Famous for providing a realistic gaming experience online, Supercasino.com offers games to suit a variety of tastes, including roulette, blackjack, card games, table and video poker as well as a selection of slots and arcade games.

Daniel Solomou
Super Casino

02078199114