

Acknowledgements

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words

Psychosis – the price *Homo sapiens* pays for language

Tim Crow

Age- and sex-dependent uniformity across populations of the psychotic continuum reflects ontogeny of the *cerebral torque*. This sapiens-specific evolutionary innovation identified four compartments of association cortex as the language circuit: perceived speech > meaning > thought > speech production. Symptoms (due to directional asynchronies of callosal myelination) represent 'leakages' – negative anterior, positive posterior, linguistic to left, affective to right. The *speciation event* occurred 160KYA in the Y copy (*PCDHY*) of the *ProtocadherinXY* homologous gene pair with subsequent sequence change in *PCDHX*. Thus, language, *H. sapiens* & predisposition to psychosis resulted from a single chance event in a male, selected by females.

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