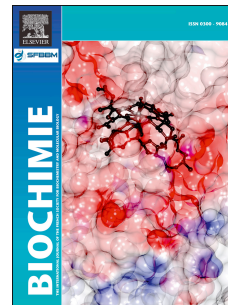


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The metabolic basis for developmental disorders due to defective folate transport

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Medical Center, Brooklyn, NY, USA 11203**Key words:** folate receptor; autoantibodies, developmental disorders, autism,**Support:** funding for this work was provided by Autism Speaks grant #8202**Conflict of interest statement:** Two of the authors (JMS and EVQ) are inventors on a US patent for the detection of FR α autoantibodies issued to the Research Foundation of the State University of New York, USA**Highlights:**

- Adequate folate status is important during pregnancy and neurological development in children
- Disturbances of folate metabolism can be caused by genetic abnormalities or autoantibodies to FR α
- Deficiency of folate in the brain can lead to developmental disorders
- Identification of those at risk and supplementation with folinic acid may be beneficial in these disorders.

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