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From *eyeless* to neurological diseases

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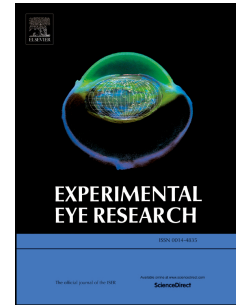
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**Highlights:**

- Mutations in genes important for eye development are involved in neuronal processes
- Mutations in *Pax6* affect neurogenesis
- Mutations in *Pitx3* are involved in Parkinson's disease
- Mutations *Cryb1/Crybb2* contribute to schizophrenia-like behavior

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