The structure of our social networks is increasingly being recognized as a major determinant of both mental health and general well-being. We now know that our brains process social information in highly specific ways, and that different people vary in how well they are able to reason in social situations. However, it is as yet unclear how these brain differences ultimately relate to the different roles that we assume within our broader social environment, and how these interact to influence well-being. This project will start to draw these links by using brain imaging (functional magnetic resonance imaging) and social network analysis to understand how individual differences in brain structure and function predict the roles that adolescents assume within their peer friendship groups. This exciting, multi-disciplinary project will shed new light on the neural determinants of social behaviour, and has important implications for understanding risk and resilience factors for mental illness. The candidate will receive training in brain imaging, the analysis of social networks, and economic game theory. Applicants must hold an APA or similar award. A top-up stipend of $5,000 per year ($15,000 over three years) is available for the outstanding candidate.

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**Neural predictors of social roles in adolescent friendship networks**

**PhD Student Top-Up Stipend ($5,000 per year ($15,000 over three years)**

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