**Table S1.** Multiple linear regressions (standardized beta coefficients) for sex, resting-state functional connectivity (rsFC) of the right amygdala with the right MOG and the right SFG, and their interactions (IA), as predictors of social behavior.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Sex | rsFC [right Amy –right MOG] | rsFC [right Amy – right SFG] | IA rsFC [right Amy –right MOG] – sex | IA rsFC [right Amy – right SFG] - sex | R2 | *p* |
| Neuroticism | 0.249\* | 0.245 | -0.233 | -0.98 | 0.105 | 0.111 | n.s. |
| Extraversion | 0.107 | -0.126 | 0.144 | 0.091 | -0.215 | 0.037 | n.s. |
| Openness | 0.305\* | -0.001 | 0.109 | 0.203 | -0.153 | 0.150 | 0.029\* |
| Agreeableness | 0.381\* | -0.053 | 0.136 | 0.039 | 0.008 | 0.171 | 0.014\* |
| Conscientiousness | 0.136 | -0.038 | 0.048 | -0.014 | 0.078 | 0.035 | n.s. |
| Masculinity | -0.029 | -0.141 | 0.098 | 0.221 | -0.165 | 0.042 | n.s. |
| Femininity | 0.207 | 0.084 | -0.058 | -0.012 | -0.040 | 0.054 | n.s. |
| Androgyny | 0.163 | 0.266 | -0.135 | -0.292\* | 0.098 | 0.087 | n.s. |

Note: Determination coefficients (R2) and significance (*p*) indicate the goodness-of-fit for the regression model. \*p<.05. n.s.=not significant.

**Table S2.** Multiple linear regressions (standardized beta coefficients) for testosterone (testo), resting-state functional connectivity (rsFC) of the right amygdala with the right MOG and the right SFG, and their interactions (IA), as predictors of social behavior (NEO-FFI, BSRI).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Testosterone | rsFC [right Amy –right MOG] | rsFC [right Amy – right SFG] | IA rsFC [right Amy –right MOG] – testo | IA rsFC [right Amy – right SFG] - testo | R2 | *p* |
| Neuroticism | 0.006 | 0.186 | -0.114 | -0.042 | -0.054 | 0.047 | n.s. |
| Extraversion | -0.193 | 0.011 | -0.061 | 0.011 | 0.040 | 0.036 | n.s. |
| Openness | -0.256\* | 0.220 | -0.066  | 0.009 | 0.087 | 0.084 | n.s. |
| Agreeableness | -0.385\* | 0.083 | 0.095 | 0.077 | -0.006 | 0.169 | 0.015\* |
| Conscientiousness | -0.202 | 0.003 | 0.086 | 0.012 | -0.011 | 0.053 | n.s. |
| Masculinity | -0.177 | 0.069 | -0.101 | -0.1386 | 0.167 | 0.058 | n.s. |
| Femininity | 3.613 | 5.998 | 5.420 | 19.323 | 15.153 | 0.030 | n.s. |
| Androgyny | 0.085 | 0.051 | 0.008 | 0.144 | -0.129 | 0.039 | n.s. |

Note: Determination coefficients (R2) and significance (*p*) indicate the goodness-of-fit for the regression model. \*p<.05. n.s.=not significant.