

The University of South Carolina

A Step Toward.... Characterizing Friendships

And Other Relationships in Autistic Adolescents

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Social connection is crucial for promoting well-being



While many autistic adolescents struggle to form and maintain relationships, several report positive relationships that aid in their well-being



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What do these positive relationships look like?

How can we leverage these relationships to increase well-being in the autistic adolescent population?



The B-RAD Lab Pipeline

For Understanding Relationships in Autistic Adolescents

Investigating how real-time social interactions between romantic partners influences the brain

3

Using the brain to understand basic social attentional features that aid in social connection

2

Improving our understanding of social connection, relationships, and well-being

Combining all of these techniques to better understand how relationships aid in autistic adolescents' well-being*

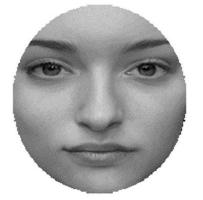
4

*Near future

Using the brain to understand basic social attentional features that aid in social connection







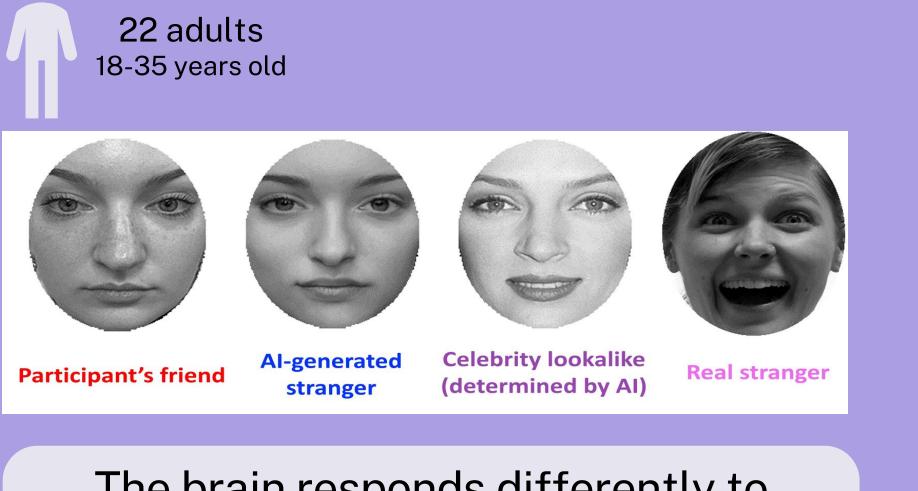
Participant's friend

Al-generated stranger **Celebrity lookalike** (determined by AI)

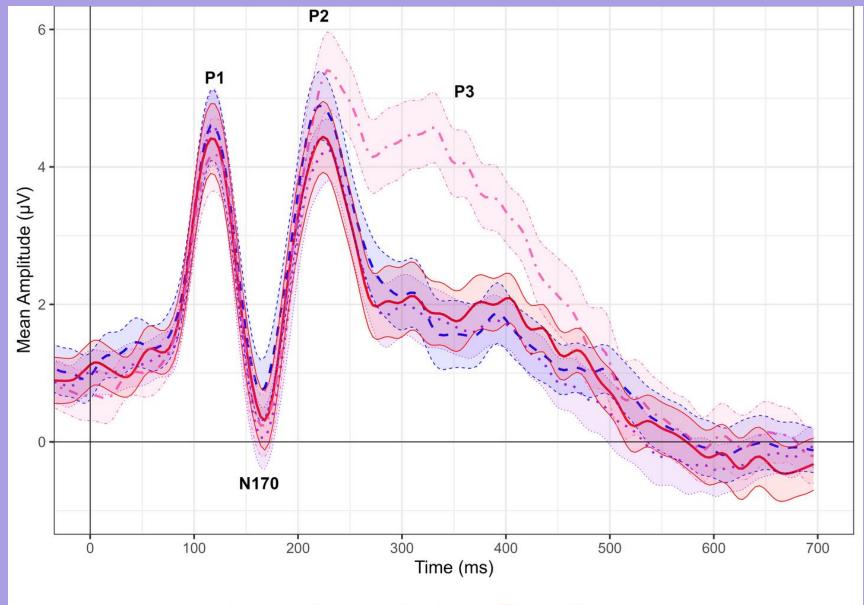


Real stranger

Using the brain to understand basic social attentional features that aid in social connection

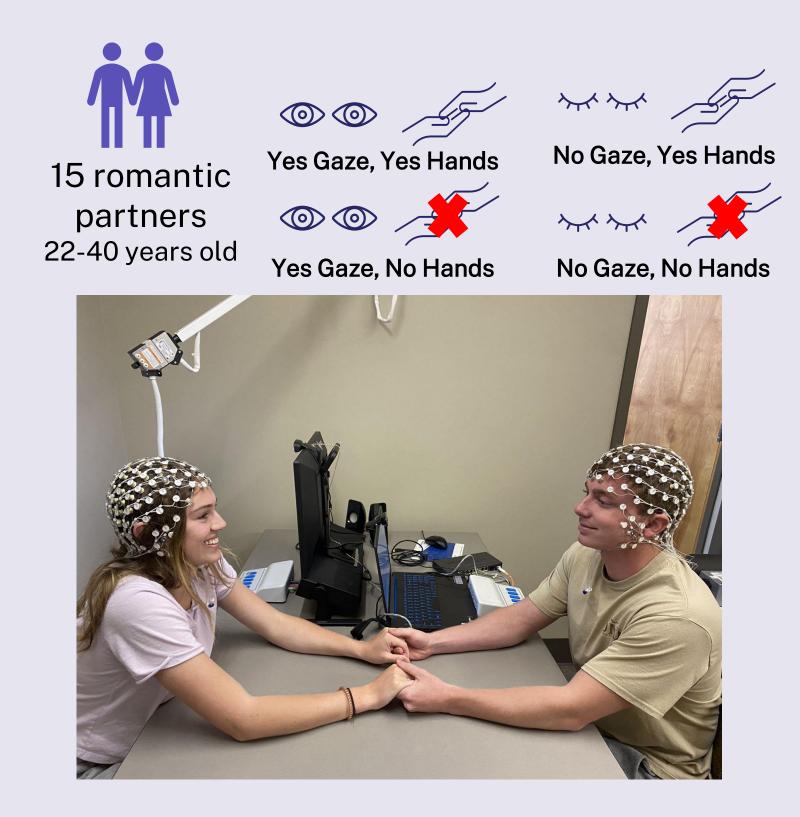


The brain responds differently to familiarity and might be able to distinguish between AI generated faces.

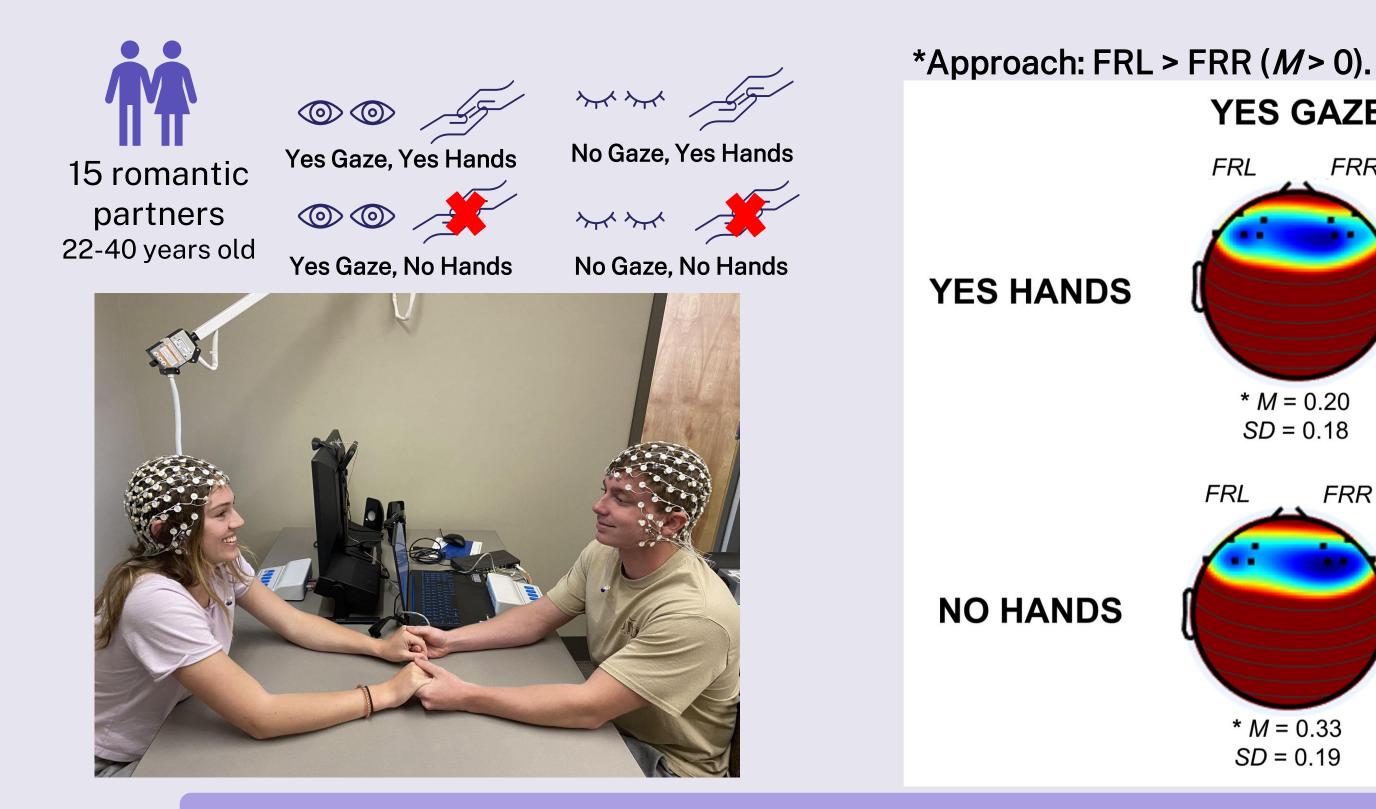


Condition 📰 Celebrity 🚍 Al Stranger 🗏 Friend 🧮 Real Stranger

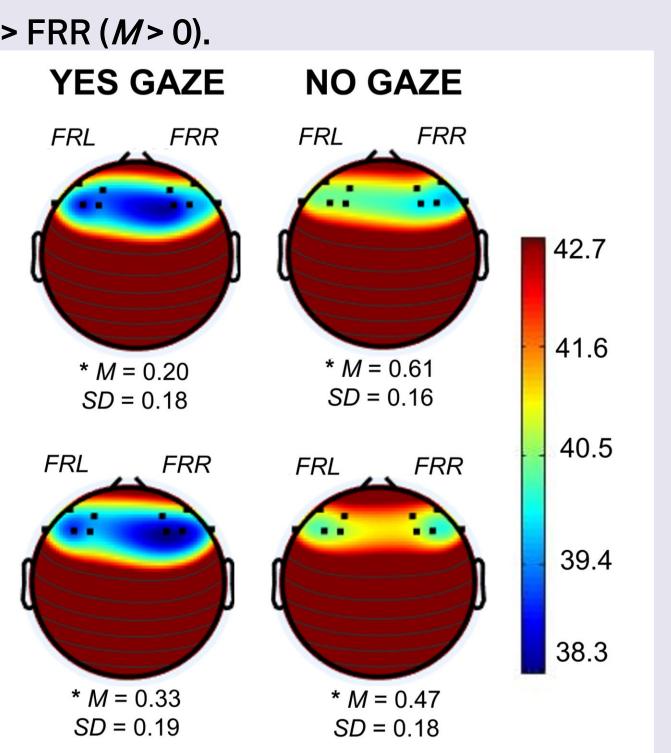
Investigating how real-time social interactions between romantic partners influences the brain



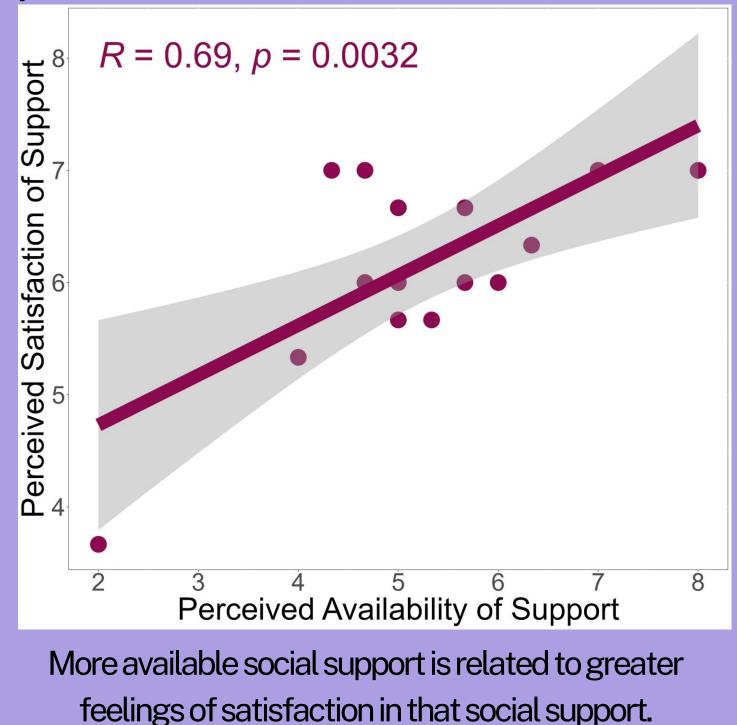
Investigating how real-time social interactions between romantic partners influences the brain



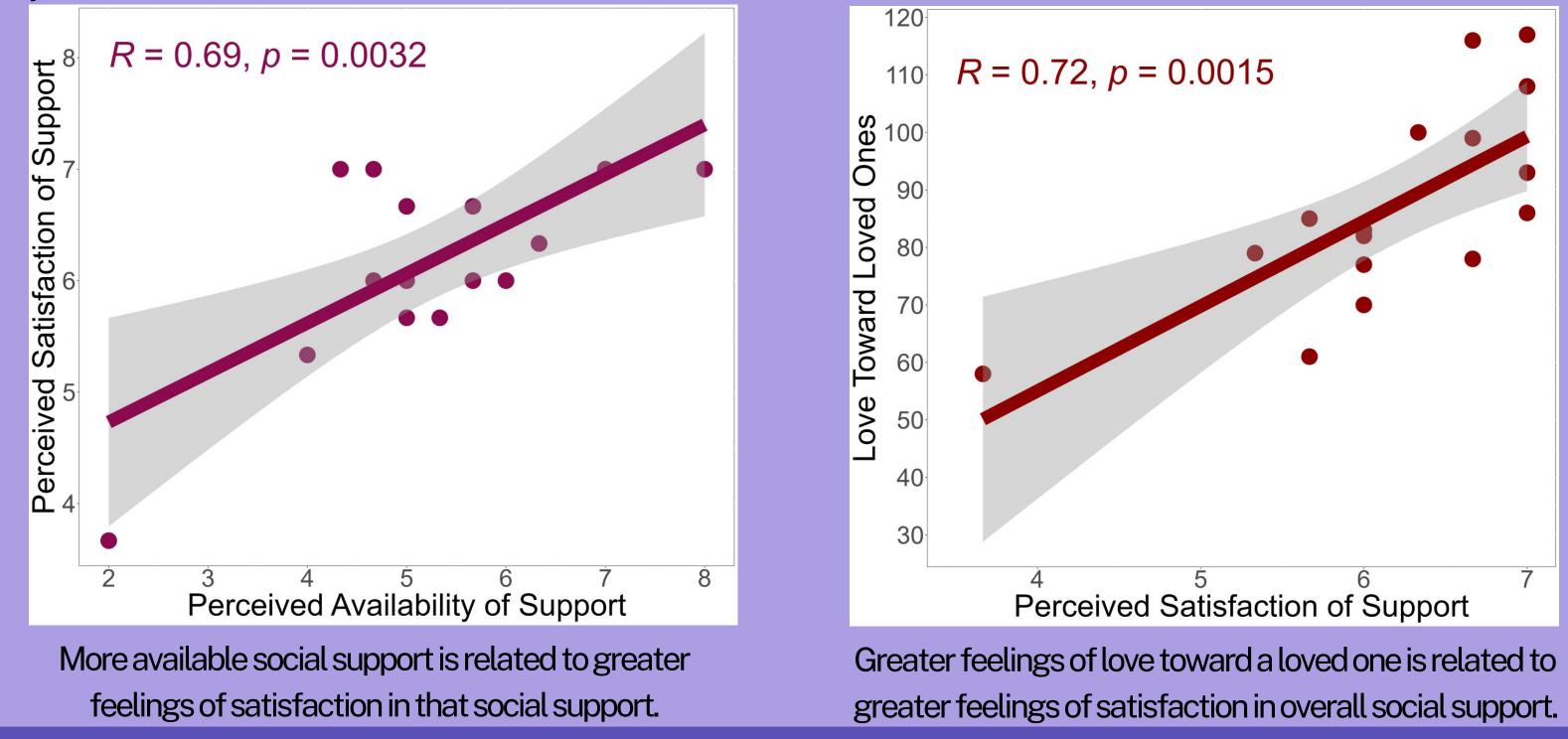
Neural signatures of approach vary based on non-verbal communication.



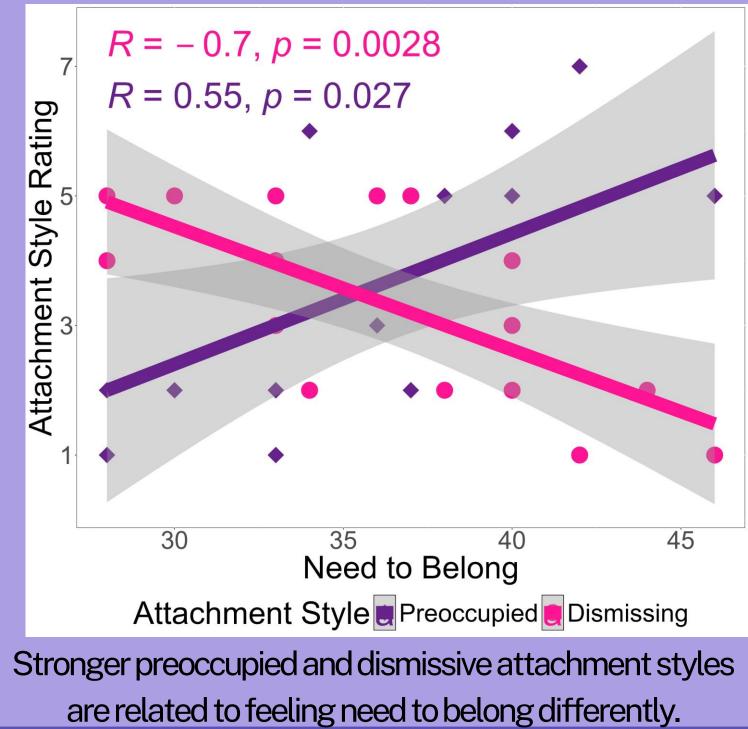
Improving our understanding of how social connection, relationships, and well-being are related



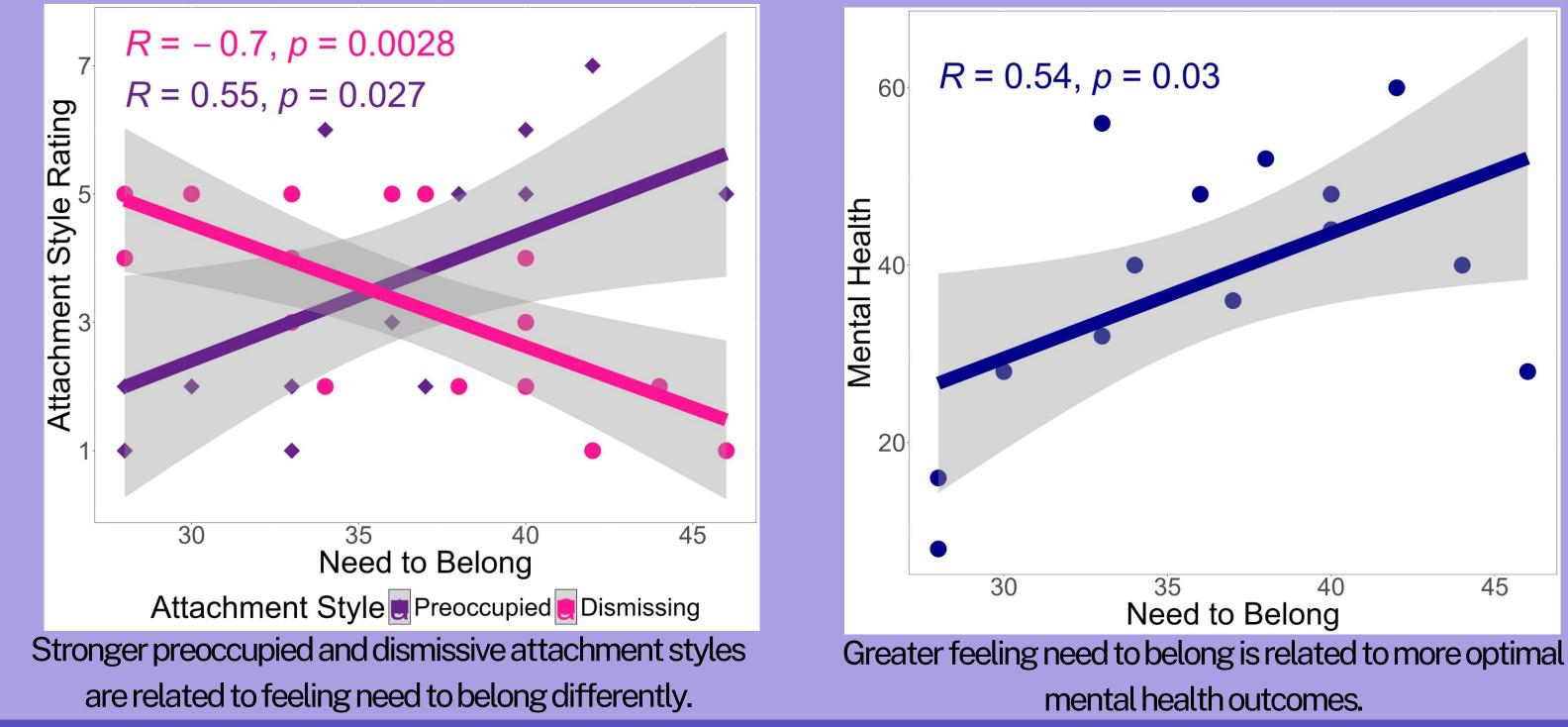
Improving our understanding of how social connection, relationships, and well-being are related



Improving our understanding of how social connection, relationships, and well-being



Improving our understanding of how social connection, relationships, and well-being



Combining all of these techniques to better





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Thank





Ezra Wingard, USC



Rebecca Revilla



Bhavani Tuppale

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you very much!



Maggie Johnson, USC Mengya Xia & Caleb Coates (Not pictured), ASU



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