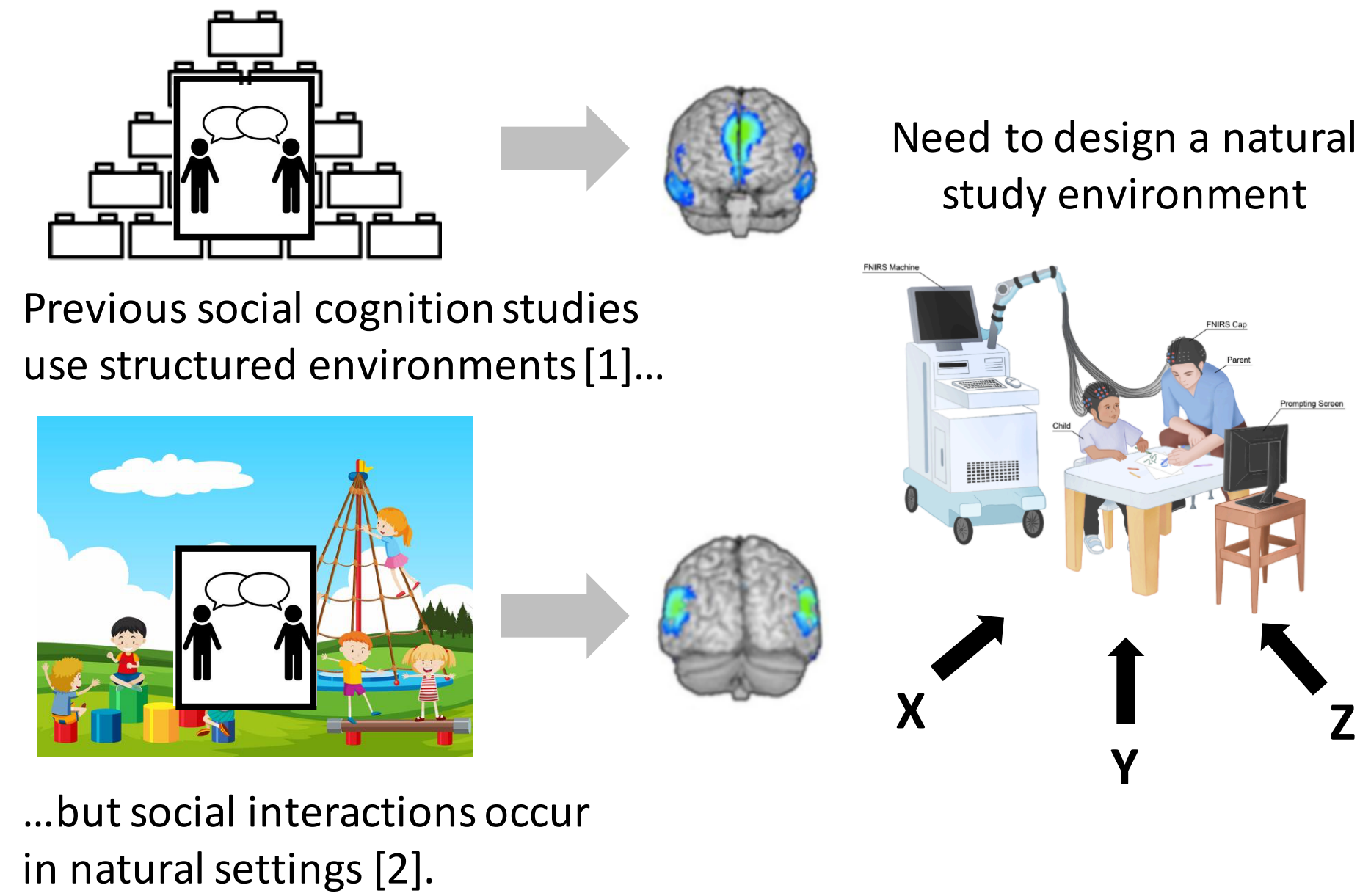


Background



A software application that enables a child's social brain function to be studied in a natural setting

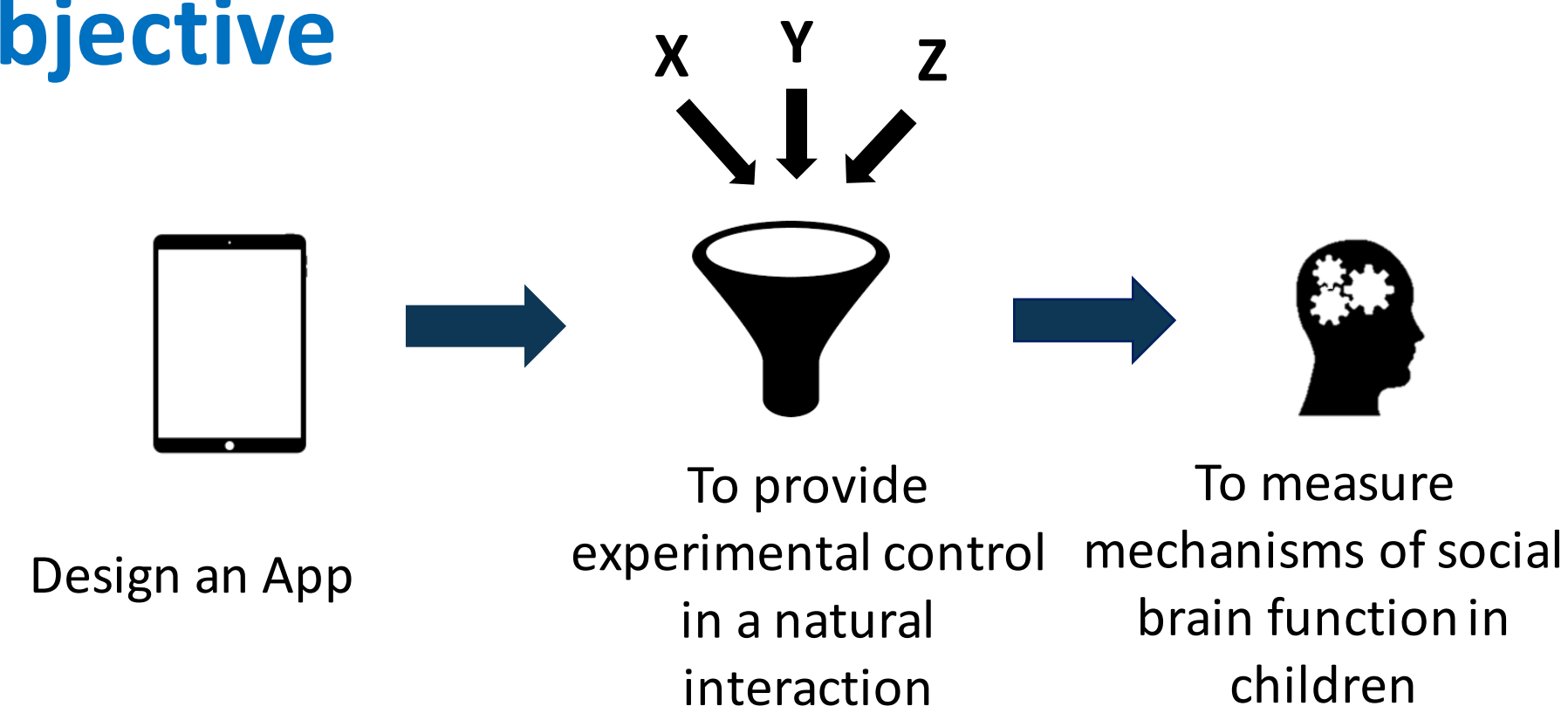
Results and Conclusion

Check out QR code for App demo!

Provides experimental control during a social interaction that emerges naturally.

- Creates a naturalistic context
 - Confounds are reduced
 - Can measure social cognition
- Add motor parameter measurements
- Secondary analysis of saved drawing

Objective



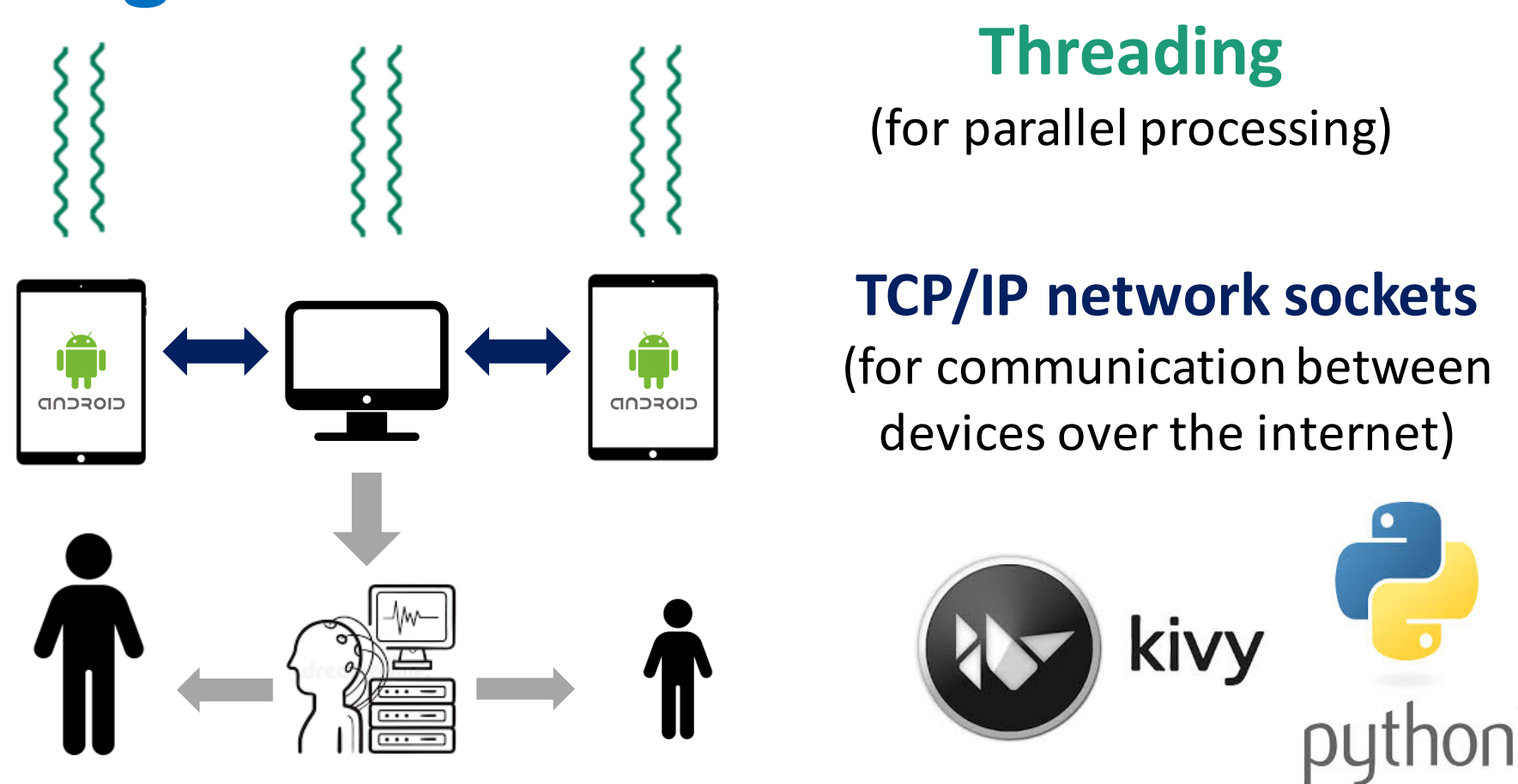
Significance to Clients and Families at Holland Bloorview

Increased understanding of underlying brain mechanism of **social cognition** in **Autism Spectrum Disorder**

Increased understanding of **child development**

Art-based therapies and studies

Design



References

[1] R. Hari, L. Henriksson, S. Malinen, and L. Parkkonen, "Centrality of Social Interaction in Human Brain Function," *Neuron*, Oct. 2015.

[2] L. Schilbach, B. Timmermans, V. Reddy, A. Costall, G. Bente, T. Schlicht, and K. Vogeley, "Toward a second-person neuroscience," *Behavioral and Brain Sciences*, pp. 393-462, 2013.

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