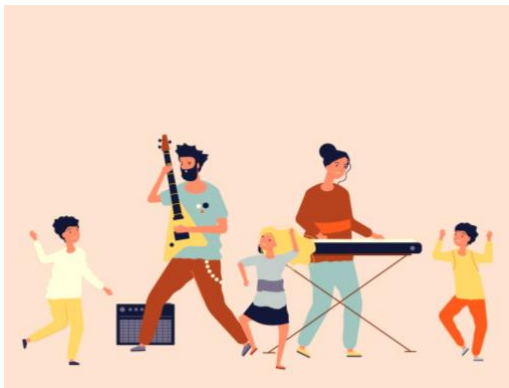


Participate in Research

Moving to the beat: Examining the effects of auditory rhythm on motor coordination in children



Principal Investigator:
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Vecteezy.com

CONTACT INFORMATION:

To ask questions or to sign up, please contact

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Do you want to help us improve treatment strategies for children with motor difficulties?
Consider participating in our research study.

What is this study about?

We want to understand how young brains react to sounds and if auditory rhythms can help children coordinate their movements. We hope that our findings will help inform music-based interventions for children with movement difficulties.

Who can participate?

- Children with developmental coordination disorder / dyspraxia or movement difficulties (7-11 years old)
- Typically developing children with no formal music training (7-11 years old)
- Typically developing children who received at least two years of music training (7-11 years old)
- All eligible participants should:
 - Be right-handed
 - Have no known history of hearing difficulties, and/or neurological, psychiatric, or cognitive disorders

What's involved?

- You will attend two sessions (each up to 1.5 hours) at Holland Bloorview Kids Rehabilitation Hospital
- You will be asked to listen to and tap to auditory beats while wearing an EEG-fNIRS cap with sensors that will measure your brain activity. We will put gel on your head under each sensor.

Potential Benefits?

- Your participation will help us understand the brain processes underlying auditory-motor abilities in children and develop new treatments for children with movement disorders.

Potential Risks?

- The cap may leave pressure marks on your scalp which will be gone within an hour. You will need to wash your hair to remove the gel.

You will receive a small token of appreciation to thank you for your time.