

Auditory Neuroscience Laboratory

www.brainvolts.northwestern.edu

Discovering early markers of language development by studying brain activity, listening, and learning



Welcome to our science family!



Thank you for participating in our study, we loved having you in the lab!

We hope your child enjoyed working with our researchers. If any of their friends would like to participate, please let them know about the project!

Your child's participation in this project contributes to our knowledge of how children learn. This is a very important avenue for research, with the potential to advance funding for educational programs during early childhood.

As scientists, we're deeply committed to sharing our findings to inform social policy, science, and education. We work with community organizations from local (schools, music programs) to national levels, including the President's Council on the Arts. Our work is published in major impact peer-reviewed journals and receives national and international press.

Thank you so much for your time and effort... Our success is due entirely to your wonderful children!

The Biotots research team

Researcher Spotlight:



Nina Kraus, Ph.D.
Professor, Principal Investigator

Nina Kraus, PhD, Hugh Knowles professor, (communication sciences; neurobiology and physiology; otolaryngology) directs the Auditory Neuroscience Laboratory at Northwestern University.

Dr. Kraus investigates biological bases of speech and music. She studies learning-associated brain plasticity throughout the lifetime in normal, expert, and clinical populations.

Dr. Kraus is a pioneering thinker who bridges multiple disciplines (aging, development, literacy, music, and learning), and roots her research in translational science.

CALLING ALL 3 AND 4 YEAR OLDS!

If you know of a family who might be interested in our project, feel free to pass along our contact information!

Please call or email: (847) 491-2457 biototsresearch@gmail.com



Recent news from the Auditory Neuroscience Laboratory

- Pre-school music classes strengthen brain circuits for language learning
- The brain is sensitive to sound patterns that are important for language
- Rhythm bolsters brain pathways for music and reading
- The adult brain profits from music experience, even after lessons have stopped
- Computer-based training improves communication skills in older adults



To learn more about our work, visit our website:

www.brainvolts.northwestern.edu

start under "slideshows" to learn about our current projects

Auditory Neuroscience Laboratory

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