

1999 – 2000

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“Do Musicians and Non-musicians Perceive Music Differently?”

\$174,000

Dr. Bigand’s study explores cognitive processes and how naïve listeners differ from musically expert listeners when processing musical structures. The study contributed to the understanding of the brain and learning and musical organizing processes. It also provides insight into the comparative musical abilities between musicians and non-musicians, supporting ideas that musical knowledge is implicit as well as achieved through formal learning. The study supports a case for adult music learners.

RESEARCH PUBLICATIONS, ETC.:

In press

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- Lalitte, P., E. Bigand, B. Poulin, S. McAdams and D. D’Adamo. “The perceptual structure of thematic materials in The Angel of Death.” *Music Perception*.
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- Poulin, B., E. Bigand, F. Madurell, S. Vieillard and S. McAdams. “Effect of instrumentation change on the recognition of musical materials.” *Music Perception*.
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- Bigand, E., S. McAdams and S. Forêt. "Divided attention in the listening of polyphonic music." *International Journal of Psychology* 35(2000): 270-278.
- Drake, C., A. Penel and E. Bigand. "Taping in time with mechanically and expressively performed music." *Music Perception* 18(2000): 1-25.
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Conference papers

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- Rhan, J., E. Bigand and B. Poulin. "Implicit learning of Indian music by Westerners." Conference on Interdisciplinary Musicology, University of Graz, Graz, Austria. 15-18 April 2004.

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- Bigand, E., D. D'Adamo and B. Poulin. "The implicit learning of a contemporary musical grammar." XIII European Society for Cognitive Psychology Conference, Palacio de Exposiciones y Congresos, Granada, Spain. 17-20 September 2003.
- Filipic, S., and E. Bigand. "Emotion and cognition in music: Which comes first?" Proceedings of the 5th Triennial Conference of the European Society for the Cognitive Sciences of Music (ESCOM5), Germany. 8-13 September 2003.
- Poulin, B., E. Bigand, P. Lalitte, R. Peereman and A. Rey. "The effect of harmonic context on lexical decision in vocal music." European Society for Cognitive Psychology of Music (ESCOM), Hanover University of Music and Drama, Hanover, Germany. 8-13 September 2003.
- Poulin, B., E. Bigand, P. Lalitte, R. Peereman and A. Rey. "Musical structure modulates semantic priming in vocal music." XIII European Society for Cognitive Psychology Conference, Palacio de Exposiciones y Congresos, Granada, Spain. 17-20 September 2003.

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