**Request for Participation in the Melody and Motion Study**

**Background and Purpose**

This is a study to advance our knowledge of the relationship between body motion and melody. This experiment will compare and analyze free hand motion tracings with respect to melodic contours in different kinds of music.

The understanding of body motion corresponding to pitch is less well understood as compared to the synchronisation to rhythm. This experiment will be analyzed in a way that will help us understand the proximate relationships between different types of melodic contours, and will help elucidate if a cross cultural model of melody is possible to conceive.

**What does participation in the project imply?**

You will participate in a 20 minute long motion capture experiment with musical stimuli as explained below.

In this experiment, you will hear 64 short musical phrases. Each phrase lasts for about 3 seconds. Each phrase will be played to you twice, with a short pause of 1.5 seconds before each repetition. There will be a pause of 2 second between each pair. You will see a countdown before each new pair.

*Imagine that you could create sound by moving your hands in the air. For each repetition of the phrase, you are required to move your hand as if you are creating the melody yourself through that movement.*

You will be required to perform this action at the second repetition of each melodic phrase. For 32 of the 64 short melodies, you will be using one of your hands to freely perform the motion. For the remaining 32, you will be using a baton as a tool for performing the motion. You will be notified by the experimenter about the small break after 32 stimuli, during which time you will be provided the baton for completing the remaining 32 melodies in the experiment. You will have 6 trial melodies during which you can experience the experiment. The experiment in total will take less than 20 minutes.

Your movements will be captured using an optical motion capture system and we will also record video for reference. For this, you will be required to wear a black suit which we will provide, and some reflective markers on your body. You will then sit in a lab with 6 infra-red motion capture cameras. The music will be played from two speakers on either side of you. If you have questions, if anything makes you uncomfortable, or you wish to pause for anything, please let the experimenter know.

**What will happen to the information about you?**

Your participation in this study will remain confidential, and your identity will not be stored with your data. Your responses will be assigned a code number, and the list connecting your name with this number will be kept in a secure server and destroyed once all the data have been collected and analyzed. Participants are not identifiable from the motion capture data. After taking reference for motion capture

The study has been notified to the Data Protection Official for Research, NSD - Norwegian Centre for Research Data.

**Voluntary participation**

Your participation in this study is completely voluntary, and you may withdraw at any time. You may withdraw by informing the researcher that you no longer wish to participate (no questions will be asked).

**To Contact:** You can contact me at tejaswinee.kelkar@imv.uio.no. You can also contact my supervisor on a.r.jensenius@imv.uio.no.

**Agreement:**

The nature and purpose of this research have been sufficiently explained and I agree to participate in this study. I understand that I am free to withdraw at any time without incurring any penalty.

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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