

Columbia University Human Subjects Protocol Data Sheet

Protocol: IRB-AAAC4468(Y1M00) **Protocol Status:** Approved

Effective Date: 03/05/2007
Expiration Date: 03/04/2009

Originating Department: ELECTRICAL ENGINEERING (168)
Submitting To: Morningside
Title: Music Labeling Game
Sponsor Protocol Version#:
Abbreviated title: Music Labeling Game
IRB of record: Columbia University Morningside
IRB number used by the IRB of record:

Affiliated Institutions: -Standard Columbia Submission
Protocol Begin Date: 02/22/2007
Protocol End Date: 02/22/2008

Exempt Declaration

Educational Testing, Survey or Observational Research - 46.101(b)2 Our game consists of a web-based survey in which people describe music that they hear. Human subjects are identified only by a username of their choosing. Disclosing a subject's descriptions of music does not place the subject at risk of any liability and is not damaging to the subject's financial standing, employability, or reputation.

Personnel Staff

| <u>Name/Phone</u> | <u>Role</u> | <u>COI-Date</u> | <u>Courses</u> | <u>Dept</u> | <u>Edit/ View</u> | <u>Procedure Experience</u> |
|--|------------------------|-----------------|-----------------------------------|-------------|-------------------|-----------------------------|
| *Daniel Ellis, (de171) (212) 854-8928 Assistant Professor | Principal Investigator | 03/23/2007 | 1. MS Human Subjects - 03/21/2002 | 168 | Edit | |
| Michael Mandel, (mim2105) 347-881-6165 | Co-Investigator | 02/08/2007 | 1. MS Human Subjects - 02/07/2007 | 168 | Edit | |
| | Initiator | | | | Edit | |

Research

Research procedures: Interview/Survey/Questionnaire

Research facilities: Columbia School or Department

Research question(s):

- By playing a web-based game, users will be able to provide us with useful descriptions of musical excerpts

Scientific abstract: This study is meant to determine how people describe specific musical excerpts. The study takes the form of a game that users play in which



they describe 10-second clips of popular songs with words and phrases. The users accumulate points by agreeing with other users on a word or phrase that describes a particular clip. The scoring is designed to encourage original, yet relevant descriptions of the music. The usernames of the users with the most points are displayed on a leader board, encouraging further participation. The data collected from this study will be used to train and test automated algorithms for describing and recommending music to people.

Lay abstract: Subjects will be asked to listen to 10-second clips of songs and describe them using words and phrases that they think others would also use for the same clip. By combining the responses of many users, we will be able to train computer models that will be able to apply similar labels to music. We will also be able to use the data to identify common trends in labeling and compare different clips to one another.

Funding

| <u>Funding Type</u> | <u>Source</u> | <u>Source Identifier</u> | <u>Rascal Proposal</u> |
|---------------------|---------------|--------------------------|------------------------|
|---------------------|---------------|--------------------------|------------------------|

Unfunded

Subjects

| | | | |
|---------------------------|--|------|--|
| Total Number of Subjects: | | 1000 | |
|---------------------------|--|------|--|

| | | | |
|---|--|---|--|
| Columbia University/NY Presbyterian Hospital Outpatient Subjects: | | 0 | |
|---|--|---|--|

| | | | |
|--|--|---|--|
| Columbia University/NY Presbyterian Hospital Inpatient Subjects: | | 0 | |
|--|--|---|--|

| <u>Population Gender</u> | <u>Population Age</u> | <u>Population Ethnicity</u> |
|--------------------------|--------------------------------------|-----------------------------|
| Non Specific | 100% 18-65 | 100% Non Specific |
| Recruitment Media: | Person to Person Email Website | 100% |

Subject justification: We will recruit subjects through an email to the "auditory" and "music-ir" email lists. These lists contain researchers in music and audio signal processing as well as others interested in the field. Since they are mainly professional lists, the recipients will almost certainly be over 18. While these lists have many international subscribers, there will most likely be a bias towards those populations that tend to become engineering researchers, namely males and caucasians.

Subject compensation: There will be no compensation for subjects

Compensation justification: Participating in the game should be fun enough to keep people playing it



Consent form waiver/alteration request:

Recruitment url:

Attached Documents

| <u>Document Identifier</u> | <u>File Name</u> | <u>Active</u> | <u>Archived</u> | <u>Date Attached</u> |
|--------------------------------------|--------------------------------|---------------|-----------------|----------------------|
| IRB Reviewer Form - Staff pre-review | AAAC4468.jp gg.022107.doc | Y | N | 02/21/2007 |
| Recruitment email | email_announcement.txt | Y | N | 02/26/2007 |
| welcome text | welcome_page.txt | Y | N | 02/27/2007 |
| registration page | registration.txt | Y | N | 02/27/2007 |
| Stamped Recruitment Email | Stamped email_announcement.rtf | Y | N | 04/13/2007 |
| Stamped Welcome Text | Stamped welcome_page.rtf | Y | N | 04/13/2007 |
| Stamped Registration Page | Stamped registration.rtf | Y | N | 04/13/2007 |

Approval Personnel

Electronic Signature: Daniel Ellis (168) - Principal Investigator

Date: 02/27/2007

Electronic Signature: Michael Mandel (168) - Co-Investigator

Date: 02/08/2007

