Michal N. Goldstein
Curriculum Vitae

Personal Information

AFFILIATIONS: Department of Music and Performing Arts Professions
Music Technology Program
Music and Audio Research Laboratory
Center for Language, Music and Emotion (CLaME)
New York University

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PRONOUNS: she/her

Education

2019 -	PhD in Music Technology, NEW YORK UNIVERSITY Advisors: Prof. Mary Farbood, Dr. Pablo Ripollés
2016 - 2018	MA in Musicology and Cognitive Sciences, THE HEBREW UNIVERSITY OF JERUSALEM Advisors: Prof. Roni Grant, Prof. Ayelet Landau
2013 - 2016	BA in Psychology and Musicology, THE HEBREW UNIVERSITY OF JERUSALEM double major, Magna Cum Laude

Research Positions

CURRENT -	**Music and Audio Research Laboratory** (PhD candidate) New York University
JULY 2018 - AUG 2019	**Israel Nelken's Lab** (Research assistant) *Laboratory of Auditory Neurophysiology* The Hebrew University of Jerusalem
NOV 2015 - AUG 2019	**Landau Lab** (Graduate student) *Brain, Attention & Time laboratory* The Hebrew University of Jerusalem
OCT 2016 - AUG 2019	**Roni Granot's Lab** (Graduate student) *Music Cognition laboratory* The Hebrew University of Jerusalem
JUNE 2014 - OCT 2019	**Roni Granot's Lab** (Research assistant) *Music Cognition laboratory* The Hebrew University of Jerusalem

CONFERENCE TALKS & POSTERS

2023 | Exploring Melodic Contour Using Machine-Learning Tools
Conference for Musical Discussions by Early-Career Researchers
Talk

2022 | Exploring Melodic Contour: A Clustering Approach
International Conference for Systematic Musicology (SysMus)
Talk

2021 | CHILLER: a Computer Human Interface for the Live Labeling of Emotional Responses
New Interfaces for Musical Expression (NIME)
Poster

CHILLER: a Computer Human Interface for the Live Labeling of Emotional Responses
International Conference on Music Perception and Cognition (ESCOM/ICMPC)
Poster

An Empirical Investigation Into the Cognitive and Physical Influences of Bass and Syncopation
International Conference on Music Perception and Cognition (ESCOM/ICMPC)
Poster

2018 | Perception of size of musical intervals
The Jerusalem Brain Community Brain & Beer event
Invited Talk

Perceiving Musical Intervals: a test case for categorical perception
International Conference on Music Perception and Cognition (ESCOM/ICMPC)
Talk (long paper)

Pitch Height Affects Perception of Musical Intervals
The Jerusalem Brain Community Annual Retreat
Poster

Pitch Height Affects Perception of Musical Intervals
The Israeli Conference on Cognition Research
Poster

2017 | Perceiving Musical Intervals: a test case for categorical perception
Music, Language and Cognition summer school 2017
Talk

Perceiving Musical Intervals: a test case for categorical perception
The Jerusalem Brain Community Annual Retreat 2017
Selected for "Poster Blitz" presentation

Perceiving Musical Intervals: a test case for categorical perception
The Israeli Conference on Cognition Research
Poster

Funding & Awards

2019 -	New York University, Steinhardt Doctoral Fellowship (MUTD-PHD)
2019	Department of Musicology, Hebrew University Graduate Studies Grant
2018	The Jerusalem Brain Community Travel Grant MA honors program of the Mandel school for Advanced Studies in the Humanities
2017	MA honors program of the Mandel school for Advanced Studies in the Humanities Department of Musicology, Hebrew University Graduate Studies Grant Department of Musicology, Hebrew University Travel Grant
2016	MA honors program of the Mandel school for Advanced Studies in the Humanities Department of Musicology, Hebrew University Graduate Studies Grant

Teaching Experience

Music Theory

Keyboard Harmony A
Department of Musicology, Hebrew University
Fall 2016 - Spring 2018
Adjunct Professor

Keyboard Harmony B
Department of Musicology, Hebrew University
Fall 2016 - Spring 2018
Adjunct Professor

Preparatory Course for Entrance Exams
Department of Musicology, Hebrew University
Summer 2017
Adjunct Professor

Music Cognition

Concerto for Music and the Brain
Department of Musicology, Hebrew University
Spring 2017, Spring 2018
Teaching Assistant

Student Advisement

Hands-on Intro to Research course
Department of Cognitive Sciences, Hebrew University
Spring 2017
Undergrad student supervision

Hands-on Intro to Research course
Department of Psychology, Hebrew University
Fall 2017
Undergrad student supervision

Skills & Qualifications

PROGRAMMING LANGUAGES:	Python, Swift, C, R, Matlab
COMPUTER PROGRAMS & ENVIRONMENTS:	JASP, PRAAT, Audacity, Sonic Visualizer, Solidworks, Psychopy Adobe Illustrator, Indesign & Animate, JupyterLab, GitHub, LaTex, PyCharm, XCode
DATA AQUICISION & ANALYSIS:	Music Information Retrieval Digital Signal Processing, Machine Learning (Scikit-learn, TensorFlow) Statistical Analysis Methods (including linear models, categorical and continuous data, regression, ANOVA) Auditory psychophysics, EEG, MEG Behavioral experiments
DATA VISUALISATION:	Python, Rstudio, Matlab

Publications

Pelofi, C., **Goldstein, M**, Bevilacqua, D., McPhee, M., Abrams, E., & Ripollés, P. (2021). CHILLER: a Computer Human Interface for the Live Labeling of Emotional Responses. *International Conference on New Interfaces for Musical Expression.* https://nime.pubpub.org/pub/kdahf9fq/release/1

Goldstein, M, Granot, R., Ripolles, P., & Farbood, M. M. (in press). Exploring melodic contour: A clustering approach. *Music Perception.* https://osf.io/pkfwx