

The Weizmann Institute of Science hosts The Jerusalem Academy of Music and Dance Performances by Dancers, Musicians and Scientists

15 June 2023	20:00	The David Lopatie Conference Centre Weizmann Institute of Science Rehovot
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This program is the result of a joint research and creative project between the Jerusalem Academy of Music and Dance and the Weizmann Institute of Science. Students in advanced degree programs from both institutions met to study movement and have together created an artistic program with a scientific basis.

The program was initiated and organized by Prof. Atan Gross of the Weizmann Institute, and Noam Carmeli and Dr. Vered Aviv of the Jerusalem Academy of Music and Dance.

Dark Matter

Choreographed
**Ohad Columbus, Nitzan Sapion
and Bracha Miriam Liniado**

Performed
**Nitzan Sapion, Ohad Columbus
and Bracha Miriam Liniado**

Music
**Matta - brian eno
Re:member - olafur arnalds**

Scientific guidance
Prof. Ran Budnik

Duration
8-10 minutes

This work asks: what is dark matter? We are still seeking the answer. Making up 85% of the universe, it surrounds us but remains invisible, unfelt and ungrasped. It joins, moves and enables building. We encounter this riddle through movement.

BioEmpathy

Choreographed and performed
Tomer Golan and Chen Mesil

Music
**The North Green Down \ Dakota Suite
and Emanuele Errante**

Scientific guidance
Prof. Atan Gross and Dr. Vered Aviv

Duration
8-10 minutes

This work seeks to explore empathy from human, scientific and dance perspectives. The unique cooperation from which this work grew formed a meeting point between different fields and between individuals who were strangers to each other. It led us to move in an open, attentive and sensitive manner to each other and to the new knowledge we acquired and shared. The piece was inspired by the research of Prof. Atan Gross on mitochondria. We seek to study how empathy can be a mediating factor in biological and human behavior.

Folding Protein

Choreographed and performed
Tali Reingewertz, Dror Toubul, Sigal Armoza

Contrabass
Dror Toubul

Scientific guidance
Prof. Amnon Horovitz

Duration
10-12 minutes

The subject of this work is musical-movement thought about the protein structure. It presents a dialogue with a single sequence protein that can tentatively take on a range of conformations. Using sound, movement and text on intrinsically disordered proteins, we produce by movements, the contrabass and looper.

Dressing Room

Created and presented
Aviad Arik Herman and Yael Ankr

Scientific guidance
Prof. Atan Gross

This work offers a visual interpretation and artistic expression of the unusual encounter between the world of science and the world of dance and performing arts, through costume design.

Chaos Rules

Choreographed and performed
**Halel Broner, Bracha Miriam Liniado
and Tom Harris**

Music
Halel and Shani Broner

Scientific guidance
Prof. Vered Rom-Kedar

Duration
15 minutes

This work is divided into four sections:

- Deterministic system
- Chaotic system – here the audience participates in the creative process
- Chaos in the contemporary world – together with the audience, we experiment in divided attention in daily life
- Two bodies moving in two systems and encounter one another.