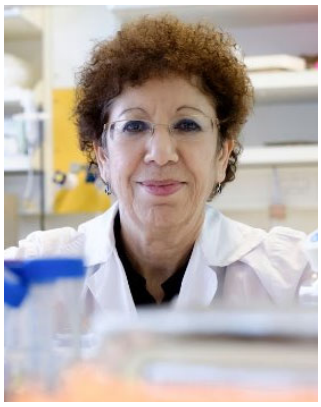
Der Wissenschaftsfonds.

# Doctoral College
# Metabolic & Cardiovascular Disease

Med Uni Graz · UNI GRAZ · TU Graz · Graz University of Technology

# THE MITOCHONDRIAL PROTEIN VDAC1 AS A NEW TARGET: FROM CONCEPTS TO CANCER, NEURODEGENERATIVE, DIABETES, AND AUTOIMMUNE DISEASES THERAPIES

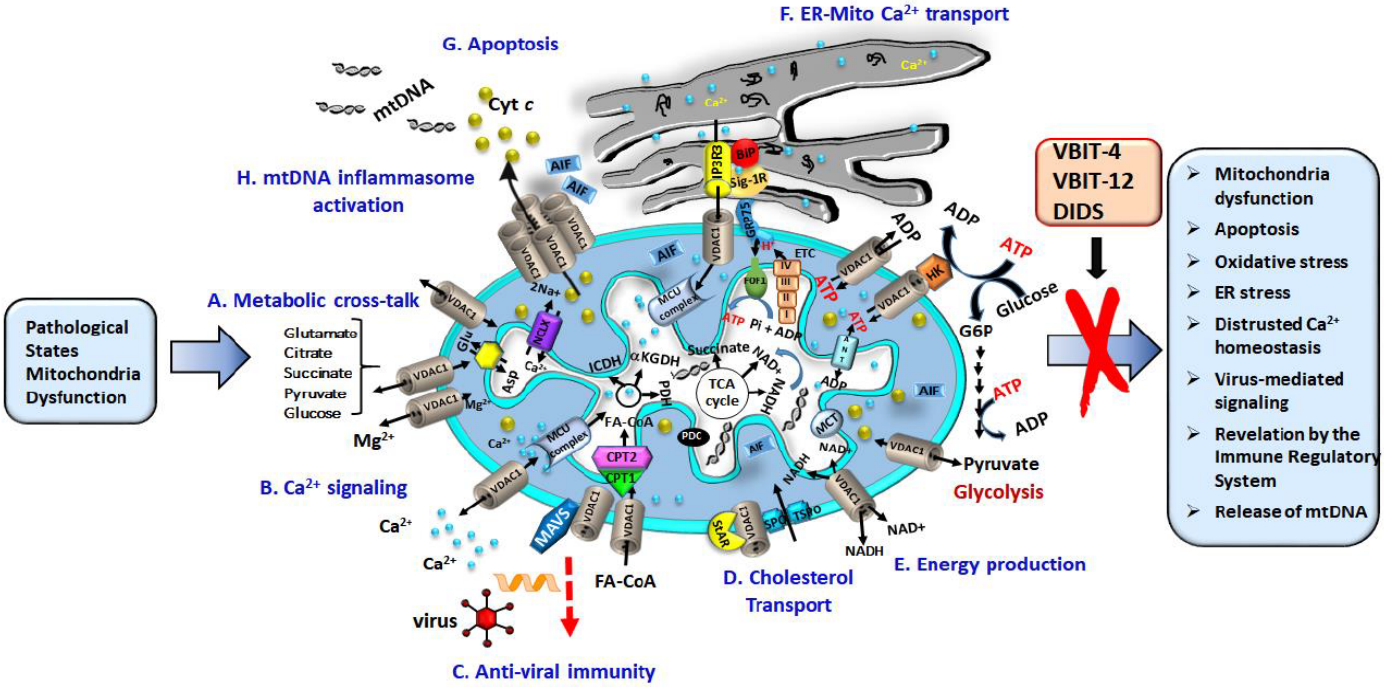
**GUEST LECTURE by**



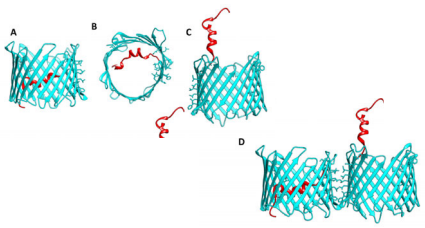
## Prof. Varda Shoshan-Barmatz, PhD

**Department of Life Sciences,**
**Ben-Gurion University of the Negev, Beer-Sheva, Israel**
**Tuesday, 14.03.2023, 15:00**

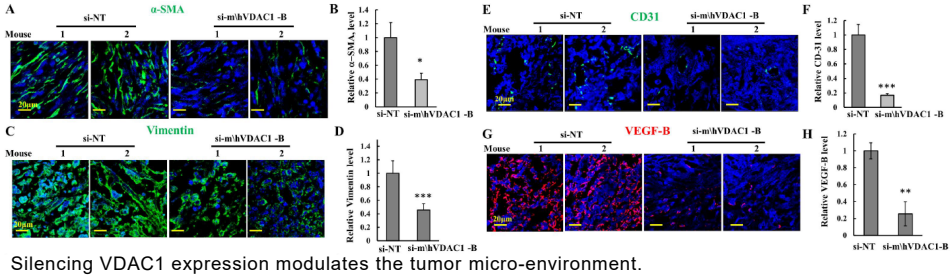
**MC1.F.05.016 (SR Pathology 01, MED Campus, tract F, 5th floor), MUG**




Voltage-dependent anion channel 1 (VDAC1) as a multi-functional channel meditates metabolites, nucleotides, and $Ca^{2+}$ transport, controlling energy production, endoplasmic reticulum (ER)-mitochondria cross-talk, and apoptosis. Shoshan-Barmatz *et al.* (2020) Biomolecules 10(11):1485



Three-dimensional structure of VDAC1 and its dimeric structure. Shoshan-Barmatz *et al.* (2018) Cell Calcium 69:81-100




Silencing VDAC1 expression modulates the tumor micro-environment. Pandey *et al.* (2022) Biomolecules 12:895