

## **Research Interest**

Elucidating the cellular and synaptic mechanisms by which drugs of abuse such as cocaine and ethanol regulate ion channels function in the mesolimbic dopamine system.

## **Research Projects**

Regulation of NMDA receptor function by cocaine.

Interaction of G proteins coupled receptors (GPCRs) with ion channels and their role in drug addiction.

Role of Src tyrosine kinases in the regulation of ion channels

Dissociation of drug-cue associations by inhibition of PKM zeta

Role of GABAA receptor in cocaine sensitization

## **Collaborations**

Prof. Esty Shohami, Department of Pharmacology

Prof. Ron Kohen, Department of Pharmaceutics

Prof. Baruch Minke, Department of Physiology

Dr. Gal Yadid, Bar-Ilan University

Dr. Abraham Zangen, Weizmann Institute