



האוניברסיטה העברית בירושלים The Hebrew University of Jerusalem

Prof. Batsheva Kerem is a Prof. of Genetics in the Life Sciences Institute, Hebrew University, Jerusalem Israel.

Biographical Profile

Prof. Batsheva Kerem received her B.Sc. in Biology with distinction from the Hebrew University (1979) and her Ph.D. (1986). Her postdoctoral training was undertaken at the Hospital for Sick Children, Toronto, Canada. In 1990, she returned to the Hebrew University of Jerusalem as a senior lecturer and as an associate professor (1998). From 2003, she was appointed full professor.

Prof. Kerem's was part of the group that cloned the gene causing Cystic Fibrosis (CF). She established the genetics center for CF research. Along the years her research in this field focuses on understanding the molecular basis for CF caused by nonsense and splicing mutations. Recently, Prof. Kerem established a startup company, SpliSense, aimed to develop novel therapies based on antisense oligonucleotides for patients suffering from CF and other pulmonary diseases.

In parallel Prof. Kerem's research group is studying the molecular basis of genomic instability in early stages of cancer development. Among their discoveries is the effect of cancer genes on the nucleotide pool in early stages of cancer development and the importance of the 3D architecture of the genome in maintaining genome stability.

At the Hebrew University, Prof. Kerem established and chaired the National Genomic Knowledge Center at the Institute of Life Sciences (1997-2014), she served as the Head of Department of Genetics (2004-2006) and as the Head of the Authority for research students (from 2007-2011) and the university's president advisor for promotion of women in science (2013-2020).



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Prof. Kerem received numerous prizes, including the Joels Senior Lectureship for Excellence in Science (1996), The Teva Prize for Excellence in Human Genome (1993), the Julodan Prize for Contribution to Medicine (1993). Prof. Kerem was granted the Abisch-Frenkel Prize for Excellence in Life Sciences in 2003 and lastly, **she was granted the Emet Prize in 2008.**

Prof. Kerem is a member of the European Molecular Biology Organization (EMBO). She serves on the editorial board of the *European Journal of Human Genetics*, *EMBO Reports* and *Trends in Genetics* and is a member of the European Research Council (ERC) for advanced scientists.

Prof. Kerem has published over 140 papers.