

BCNI Principal Investigator Profile

Name: Dr Eva Szegezdi

Current position: Lecturer, NUI Galway

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Role in BCNI : Principal Investigator



Background career information

Dr. Szegezdi received her PhD in medical science in 2000 studying cell death signalling at the University of Debrecen, Hungary. She then joined the Cell Stress and Apoptosis Research laboratory led by Prof. Afshin Samali at the National University of Ireland, Galway in 2001 to study stress-induced cell death in heart and pancreatic cells. From 2005, as a senior researcher in the Cell Stress and Apoptosis Research laboratory, she became involved in death receptor signal transduction in cancer and in engineering proteins in order to increase tumour cell death. Subsequently she received a Science Foundation Ireland Starting Investigator Research Award and an Irish Cancer Society Research Fellow award in 2010 and established her research group focusing on systems level study of the regulation of death receptors 4 and 5 signal transduction in cancer. She took up an academic position in the Discipline of Biochemistry, National University of Ireland, Galway in 2011 where she is now a lecturer and head of the TRAIL Research Laboratory, Apoptosis Research Centre, National University of Ireland, Galway

Research and Clinical Interests:

Current projects in her laboratory focus on systems level analysis of signal transduction wiring of cancer cells to predict tumour drug response using omics and machine learning methods. She is particularly interested in the tumour-microenvironment communication in leukaemia and understanding how the microenvironment drives the resistance of blood cancers to chemotherapy drugs.

Eva Szegezdi also acts as the head of the recently established National Blood Cancer Biobank and a principal investigator within Blood Cancer Network Ireland.