

# Terry Fox Fund for Cancer Research

## Project Grant Summary 2010

SN	Project title	Authors	Layman Title
1	Role of Galectin-1 and Galectin-3 in Breast carcinoma chemoresistance	Suhail Al-Salam (PI), MiodragLukic, Mohammed Bashir, Mohammed Jallodi	Overcoming resistance to drug for cancer treatment
2	Transformation of the naturally occurring frog skin peptides ascaphin-8 and XT-7 into potent, non-toxic anti-cancer agents	J. Michael Conlon (PI) Samir Attoub, Eman Ahmed,	Modification of substances found in the skin secretion of frogs into strong, non toxicanti cancer drugs.
3	Co-packaging and Recombination among Genetically Distinct Retroviruses: Implications for the Development of Retroviral Vectors for Gene Therapy	Tahir Rizvi (PI) SuriyaJahanAktar,	Capability of genetically mixed retroviruses for gene based cancer therapy.
4	Effects of Frondoside A on tumour cell survival and invasion in vitro and the growth of breast tumor xenografts in athymic mice	Samir Attoub (PI) Thomas Adrian, Jan Mester, RabahIratni, Mahmoud Sultan, Khuloud Arafat	Treatment of breast cancer growth and spread with a preparation from sea cucumber.
5	Impacts of genetic instability on tumor progression and resistance to cytotoxic treatment: Role of P53, WNT signaling and their interaction with anti-apoptotic factors	Wael M. Abdel-Rahman (PI), Salem Chouaib, PeiviPeltomaki	The effects of various genetic factors on cancer progression and the development of resistance to drug treatment for cancer.
6	Alterations in mitochondrial bioenergetics and glutathione metabolism by NSAIDs (non-steroidal anti-inflammatory drugs): implications in cancer prevention and treatment.	Haider Raza (PI), Annie John	Role of anti-inflammatory drugs (e.g. aspirin) in preventing cancer cell growth.
7	Inactivation of myeloid-derived suppressor cells as a novel target for enhancing cancer immunotherapy	Basel al-Ramadi (PI), Maria J. Fernandez-Cabezudo, Salem Chouaib, Hussain El- Hsasna, Ghada Bashir,	A new strategy to aid the body's immune defences to tumors by inhibiting a type of white blood cell that protects the tumours.