Call: Res. For the Benefit of SMEs
Deadline: 28/03/2008

**Project title:** Cloning of cancer related CD antigens in zebrafish

**Acronym:** ZFCD

Main research areas: The proposed project is aiming to develop immunological tools for the application of this model species in cancer research by cloning and testing CD antigens in zebrafish. Protein sequences of angiogenesis and tumor progression related CD antigens derived from human and mammalian databases will be used for comparative screening and for the cloning of zebrafish cDNA. CD promoters will be cloned and vector plasmids will be constructed containing GFP cDNA. Homozygous transgenic zebrafish lines will be established on the basis of GFP expression. Protein expression knockdown of CDs using antisense morpholino oligonucleotides will be applied to examine their functional importance.

Key words: cancer, CD antigens, cloning, zebrafish

Partners already involved: BIOTECONT Ltd. (Hungary), XXX Ltd. (Romania), University of Pecs (Hungary), University of Birmingham (Great Britain)

Role of required partner: Participation of SMEs is required from the following fields: histopathology, immunology, cancer research, pharmaceutical industry

Country of required partner: EU member countries

Expertise required
histopathology, immunology, cancer research, pharmaceutical drug development

**Contact Person:**

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