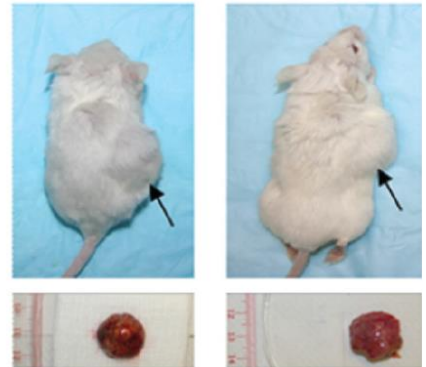
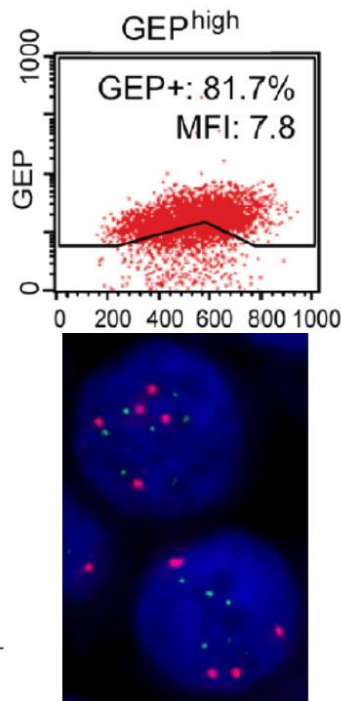


# Projects for Postgraduate Students

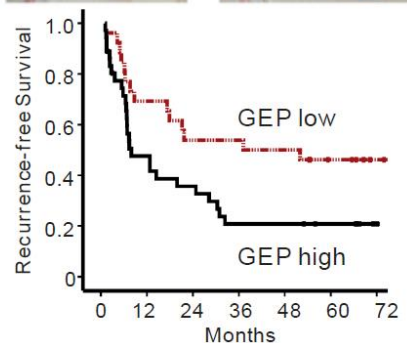
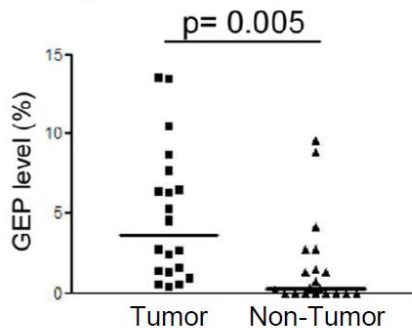
**We recruit PhD and MPhil postgraduate students in Cancer Research field:**

1. Molecular target for cancer treatment
2. Mechanism of drug resistance in human cancer
3. Cancer immunotherapy

Multifaceted functions of GEP in cancer stem cells: a few GEP positive cells able to form tumors in immuno-compromised NOD SCID mice.



## Tissue GEP levels



GEP, as cancer stem cell marker / oncofetal protein / growth factor, showed elevated expression in tumor, copy number gain and modulated cancer recurrence through stem cell signaling molecules  $\beta$ -catenin, Oct4, SOX2, Nanog and ABCB5 (*Oncotarget* 2016; *Oncoimmunology* 2015; *BMC Cancer* 2015; *Gastroenterology* 2011).

## PhD and MPhil are provided with Postgraduate Studentship (PGS)

Interested candidates please contact [stcheung@surgery.cuhk.edu.hk](mailto:stcheung@surgery.cuhk.edu.hk) or [postgrad@surgery.cuhk.edu.hk](mailto:postgrad@surgery.cuhk.edu.hk) for consideration. Applications are open year round.

### Publications (research postgraduates underlined):

1. Wong NC, Cheung PF, Yip CW, Chan KF, Ng IO, Fan ST, Cheung ST. Antibody against granulin-epithelin precursor sensitizes hepatocellular carcinoma to chemotherapeutic agents. *Molecular Cancer Therapeutics* 2014; 13: 3001-12.
2. Yip CW, Cheung PF, Leung IC, Wong NC, Cheng CK, Fan ST, Cheung ST. Granulin-epithelin precursor interacts with heparan sulfate on liver cancer cells. *Carcinogenesis* 2014; 35: 2485-94.
3. Yung MK, Lo KW, Yip CW, Chung GT, Tong CY, Cheung PF, Cheung TT, Poon RT, So S, Fan ST, Cheung ST. Copy number gain of granulin-epithelin precursor (GEP) at chromosome 17q21 associates with overexpression in human liver cancer. *BMC Cancer* 2015; 15: 264.