



Project BASTION „From Basic to Translational Research in Oncology”

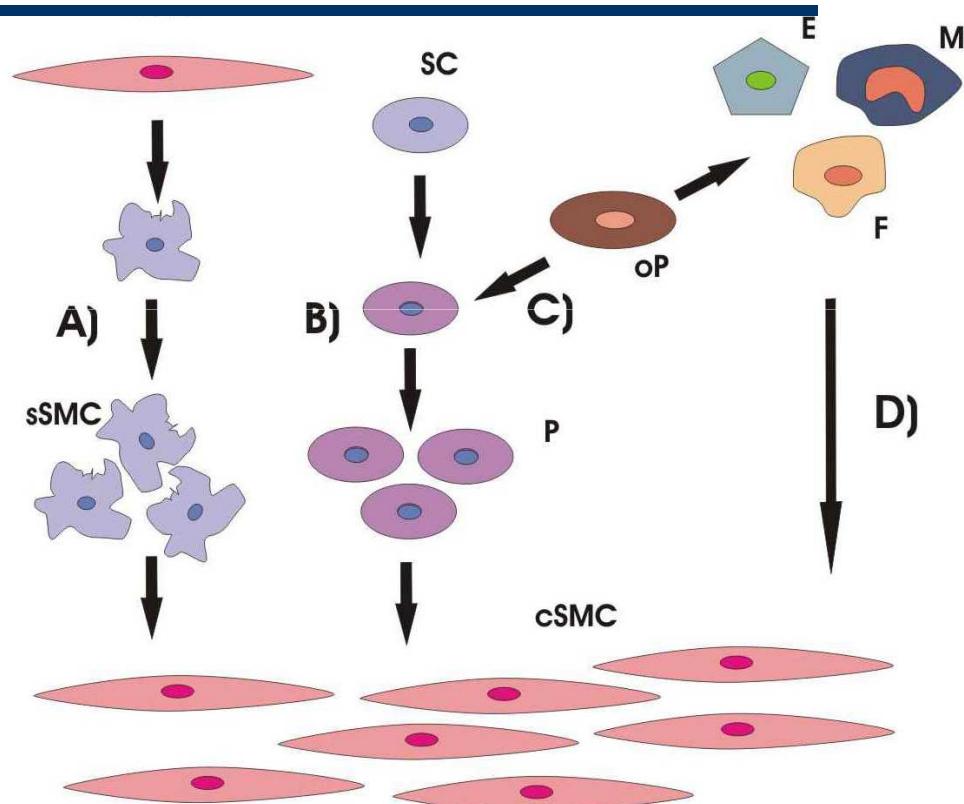
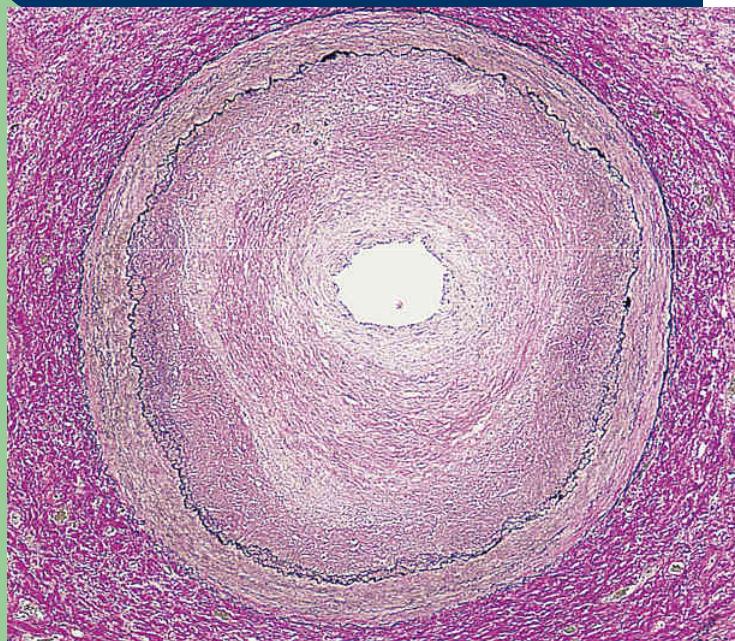
Kick-off Meeting International Advisory Board Meeting

Warsaw

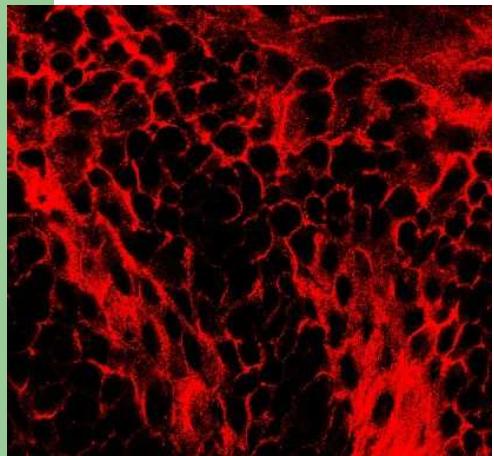
November 27th 2012



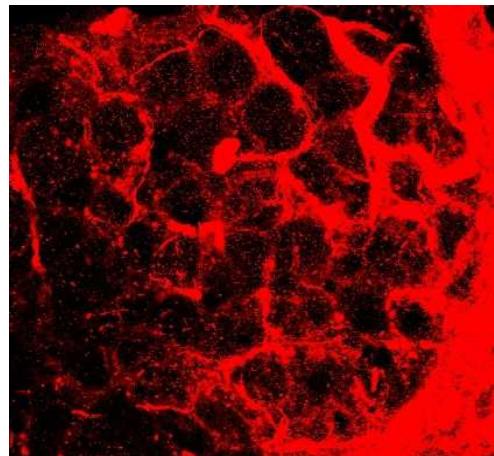
Cells in vascular wall



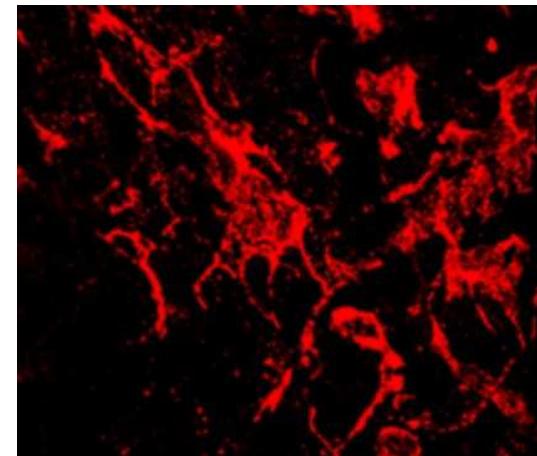
Presence of MSCs in the vascular wall of murine retina



CD44

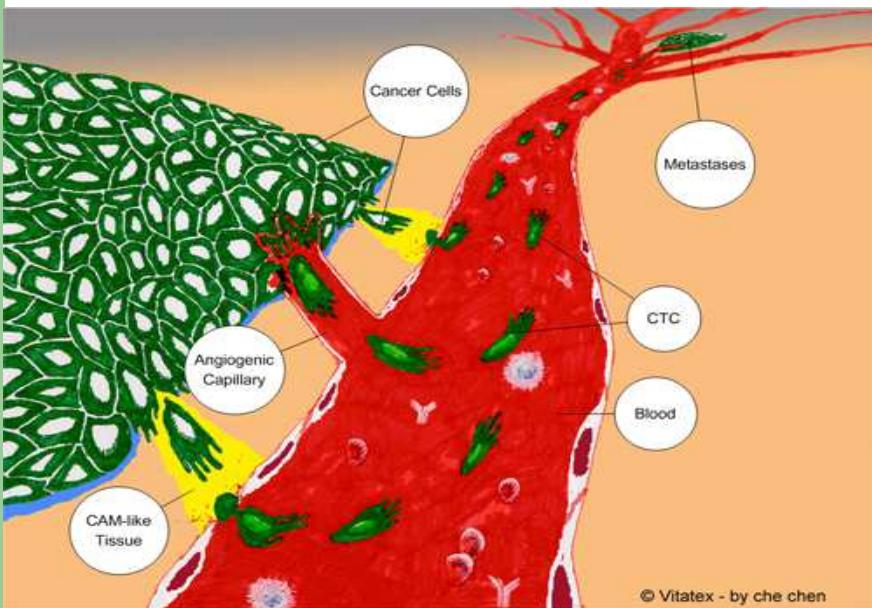


CD90



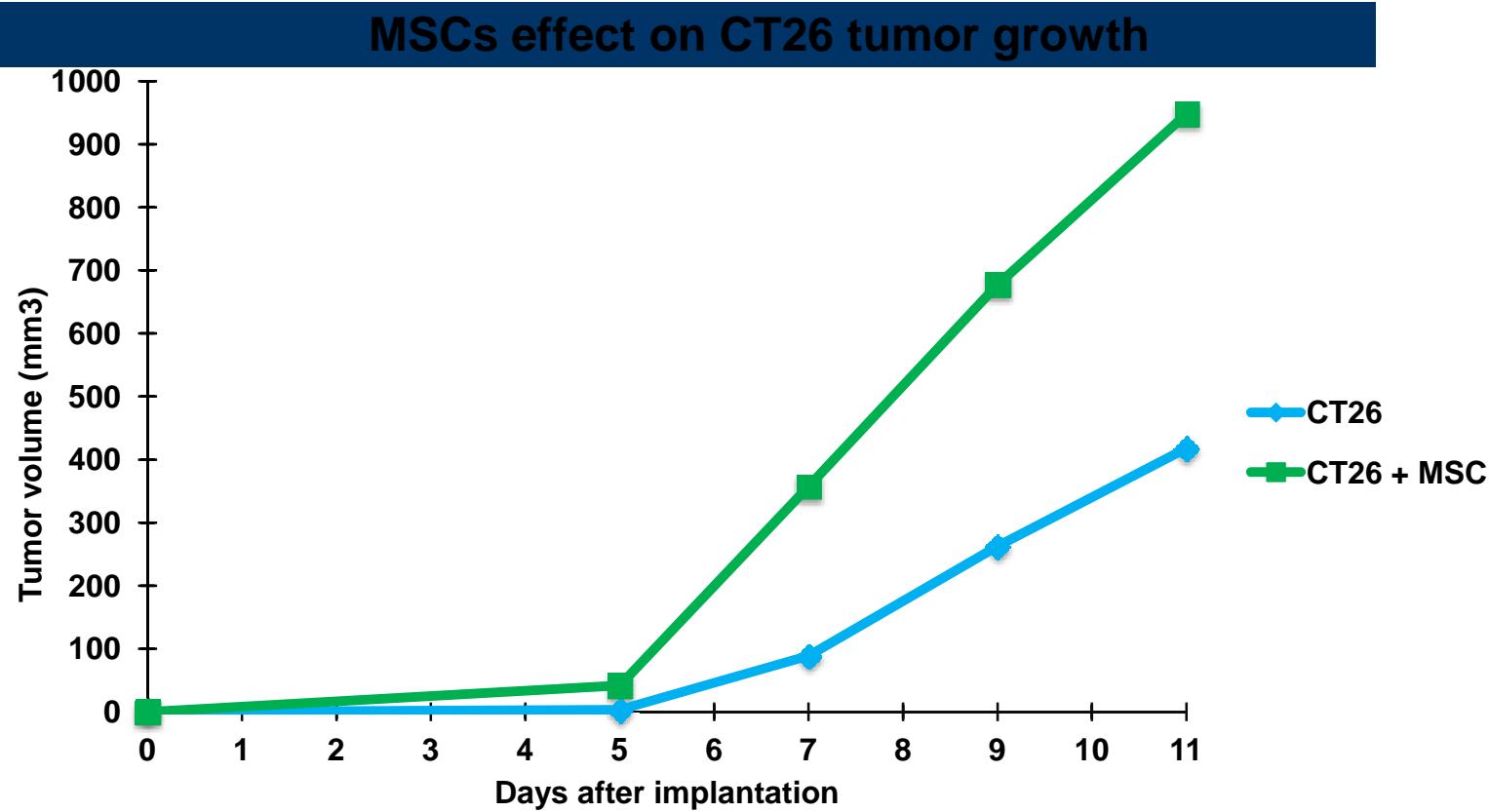
Sca-1

Circulating Tumor Cells (CTC)

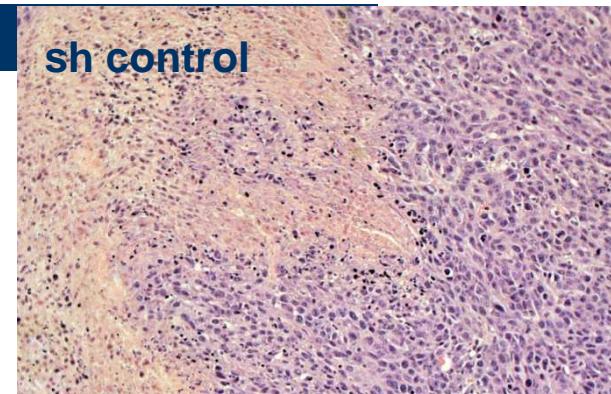
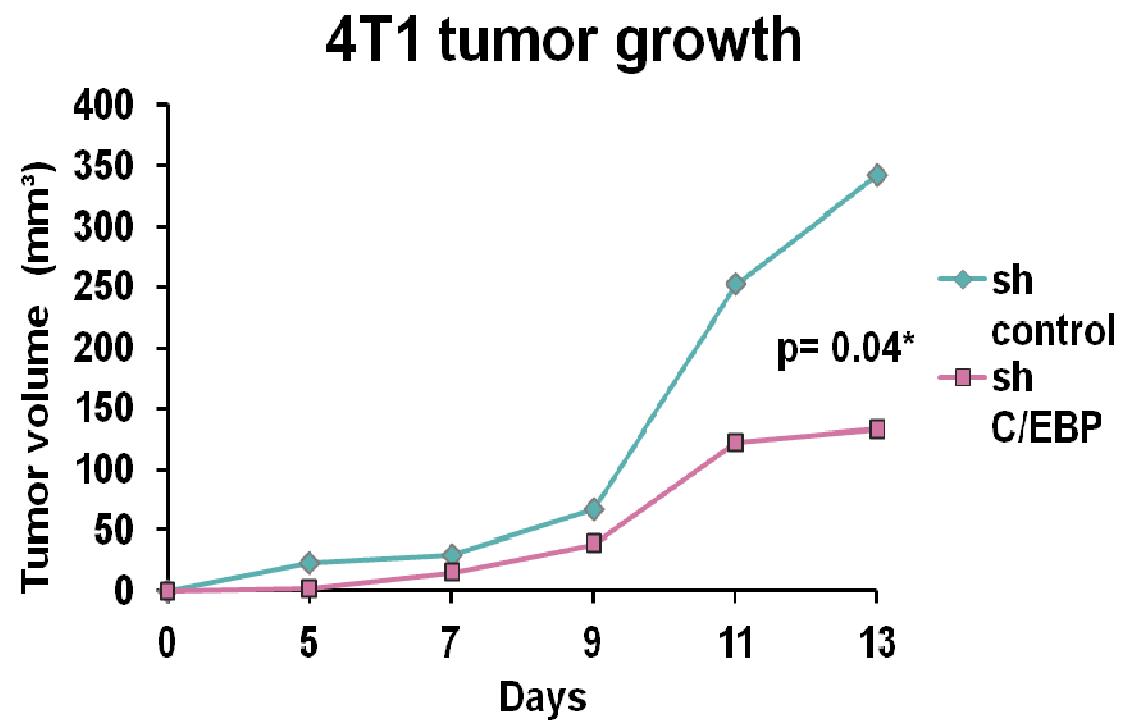


- their number is a prognostic factor for metastatic cancers
- possible factors affecting its number: tumor type, stage of the disease, vasculature, necrosis, others like **C/EBP β** or **MSCs** (mesenchymal stem cells)

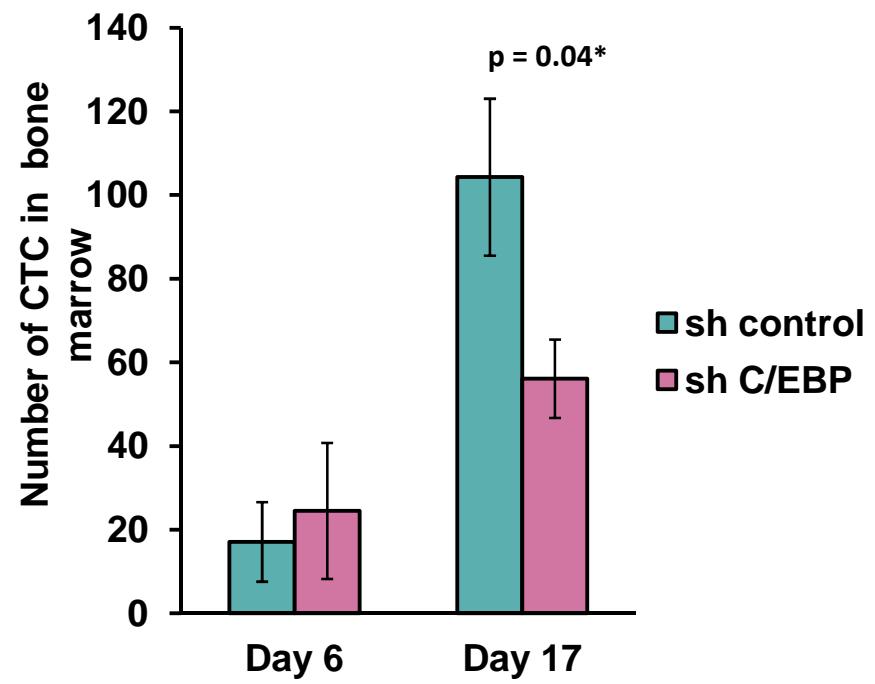
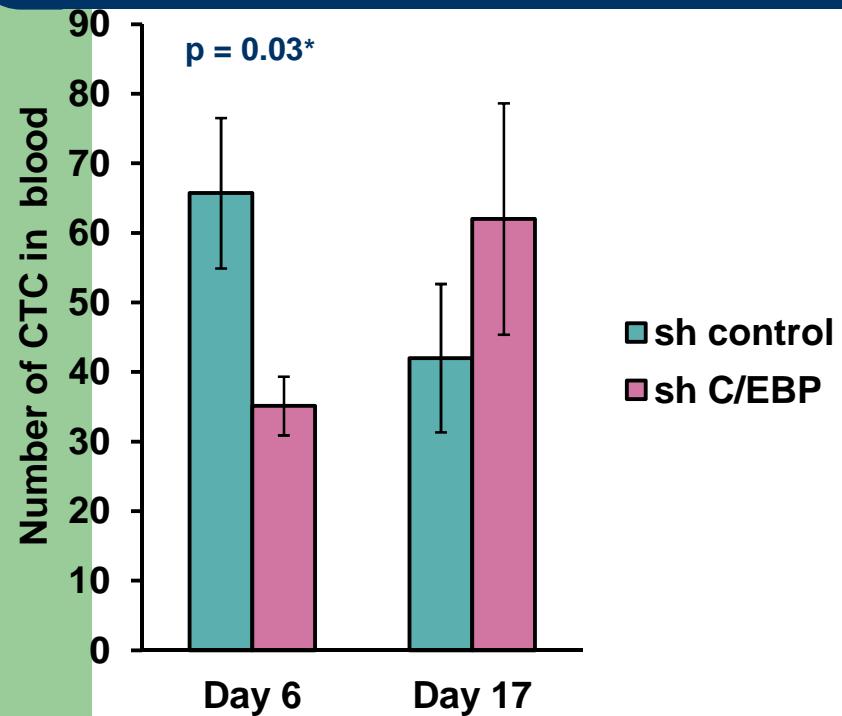
MSCs affect tumor growth in colon cancer model



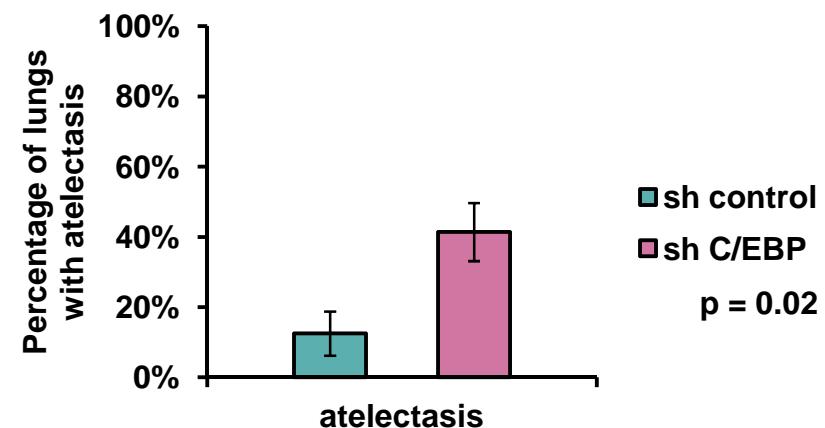
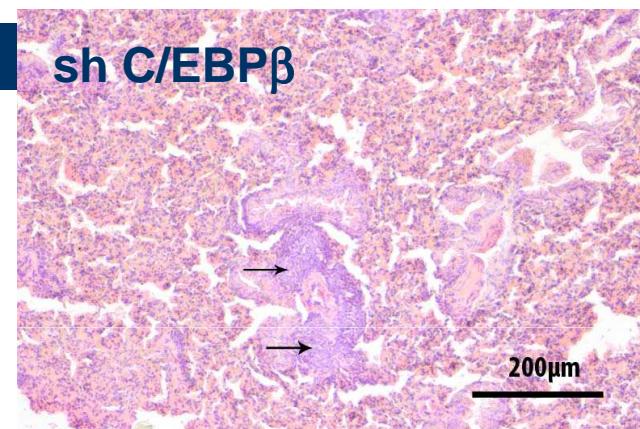
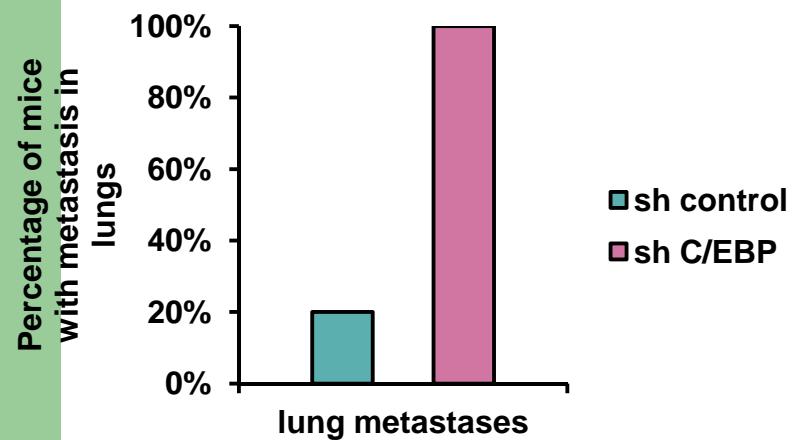
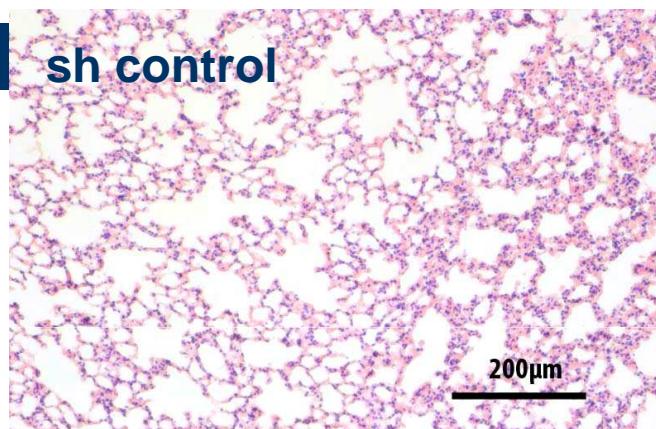
C/EBP β affects tumor growth and its morphology



C/EBP β influences the number of CTCs

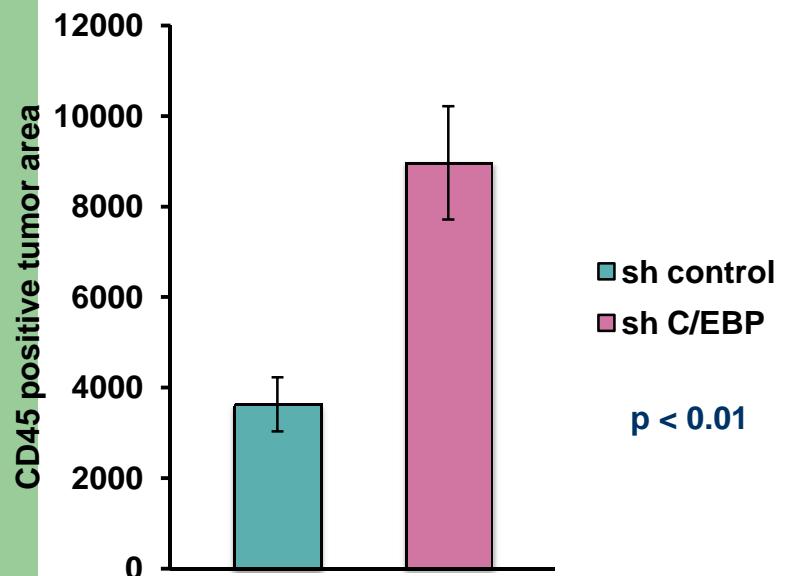


C/EBP β affects metastasis

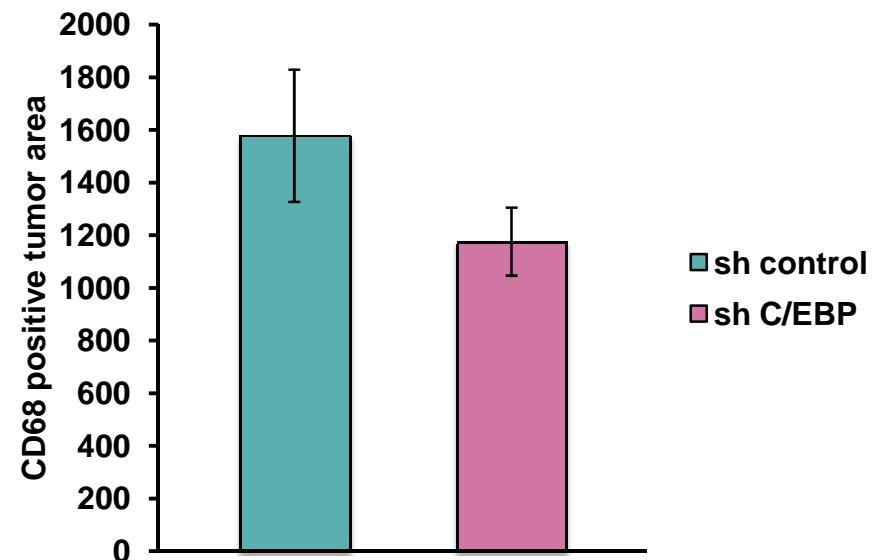


Increased inflammation in C/EBP β -silenced tumors

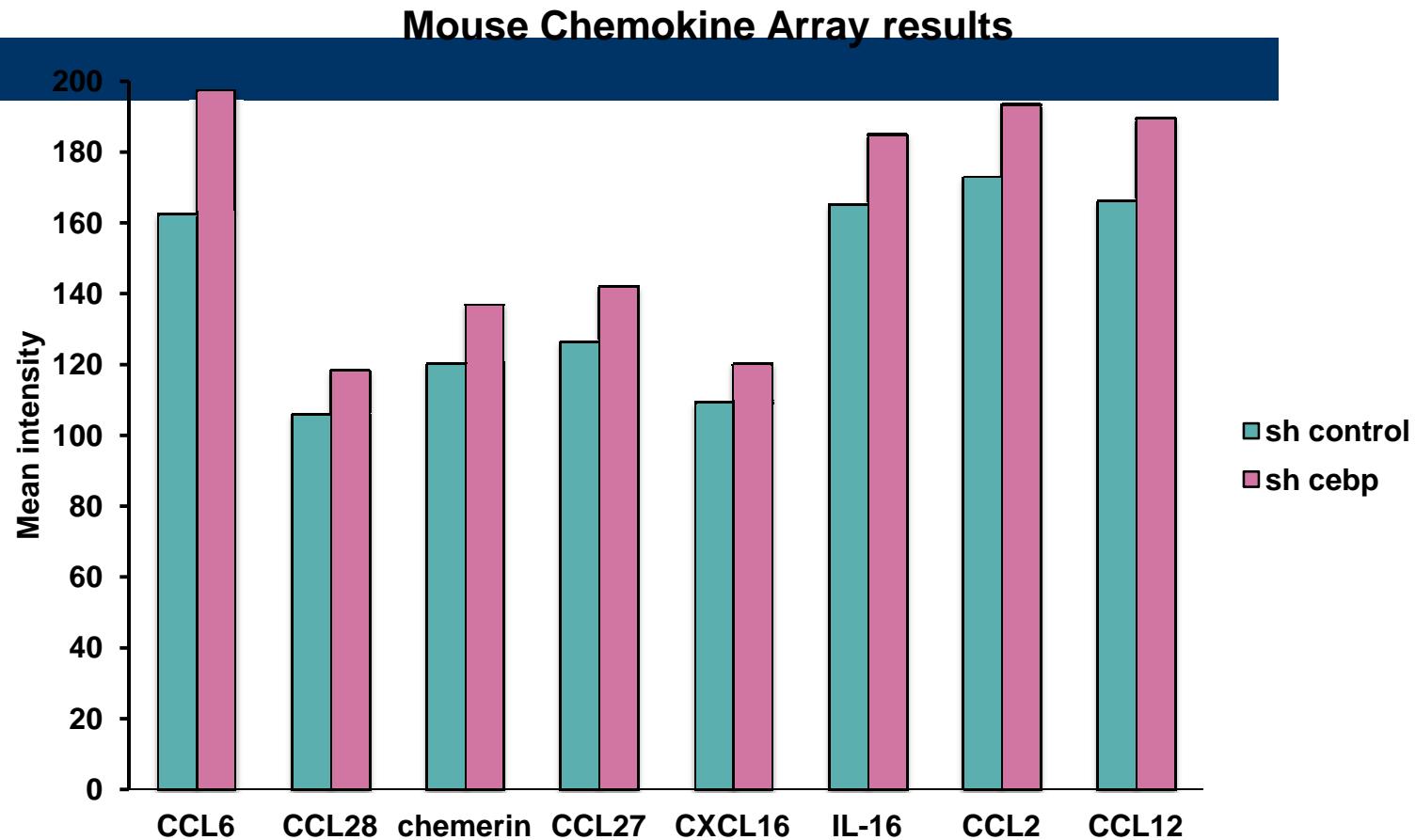
CD45 positive cells in the tumors



CD68 positive cells in the tumors



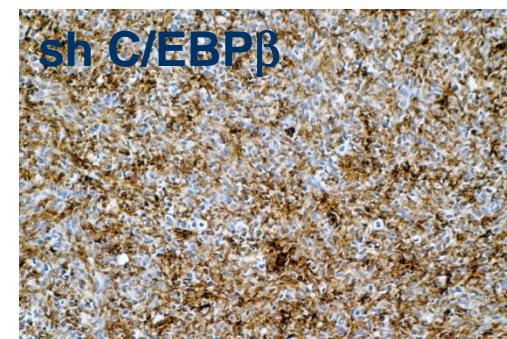
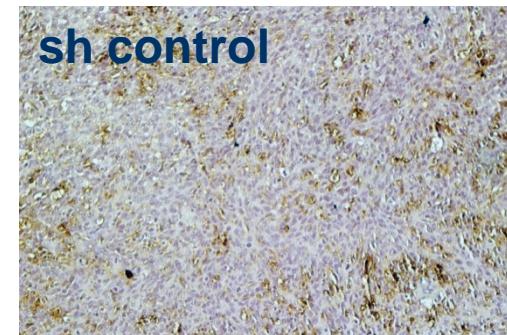
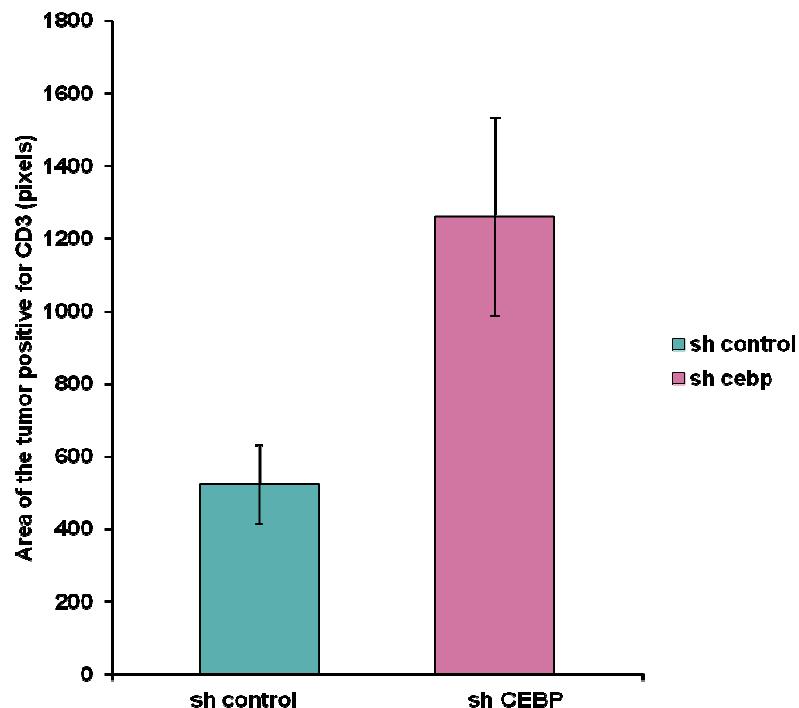
Elevated levels of chemokines in C/EBP β -silenced cells



Microarray analysis on cells and tumors (sh control vs sh C/EBP β)

- cells – CCL5, CCL7, CCL8, **CD45 and MHCII** upregulated in sh C/EBP β
- tumors - **CD3** upregulated in sh C/EBP β

CD3-positive cells in tumors





Group

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- Joanna Soin
- Małgorzata Dutkiewicz

