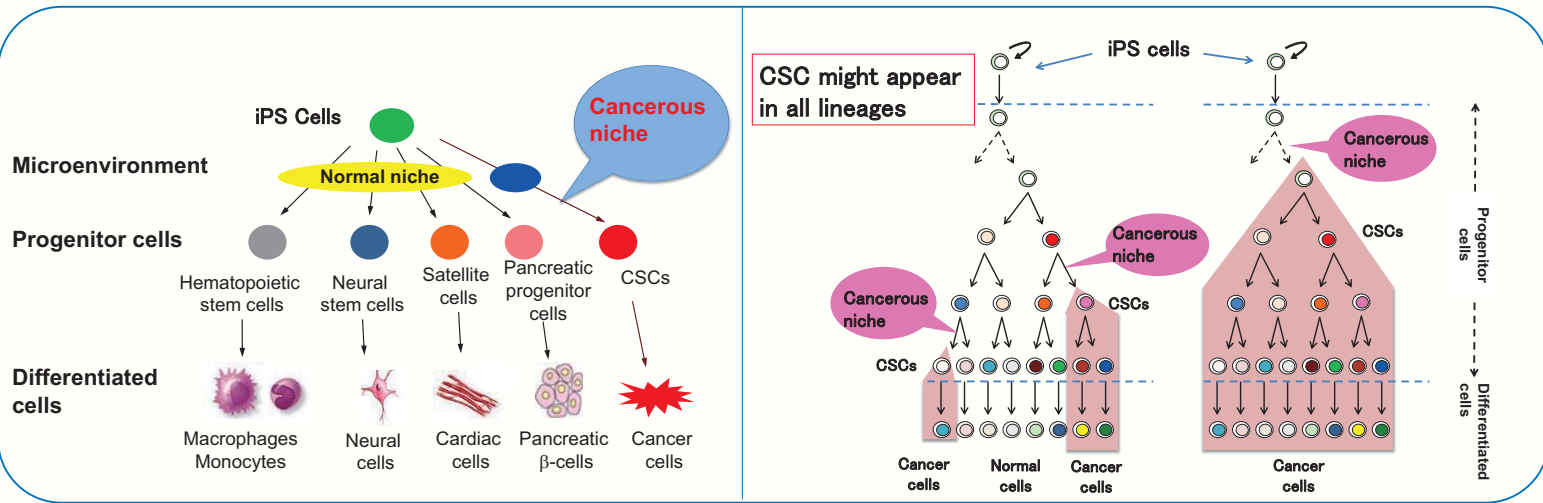


A Project of Cancer Stem Cell Collection

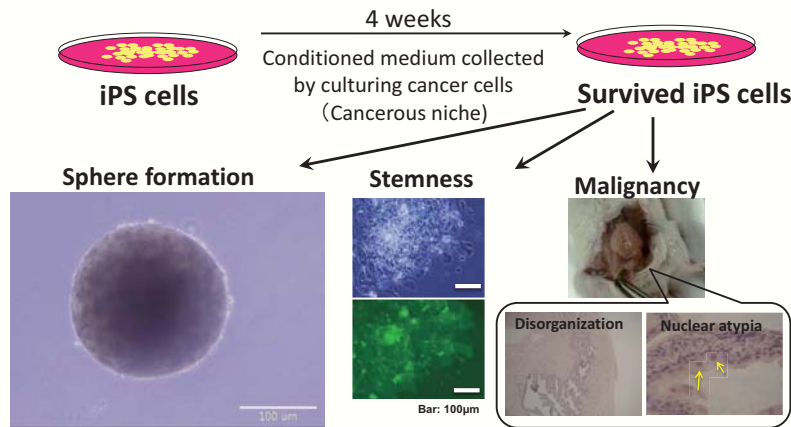
Covering All Cancer

Department of Biotechnology,
Graduate School of Natural Science and Technology, Okayama University
Masaharu Seno and Tomonari Kasai

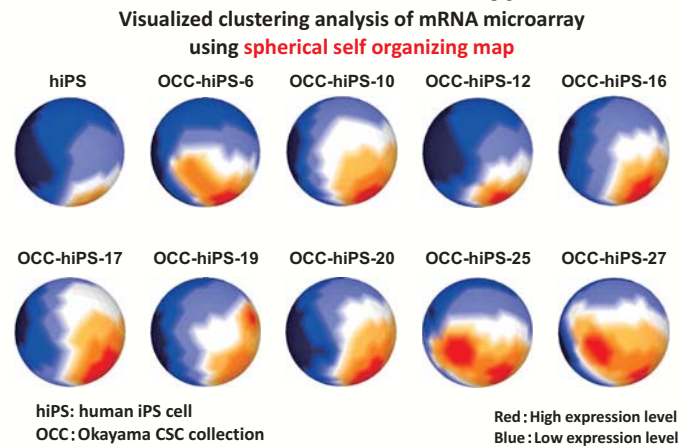
iPS cells and role of microenvironments



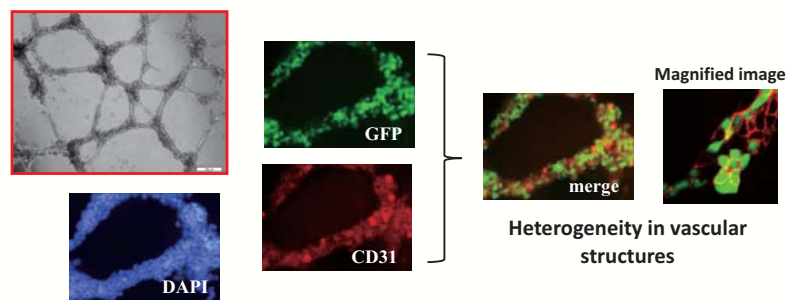
Conversion of iPS cells into CSCs



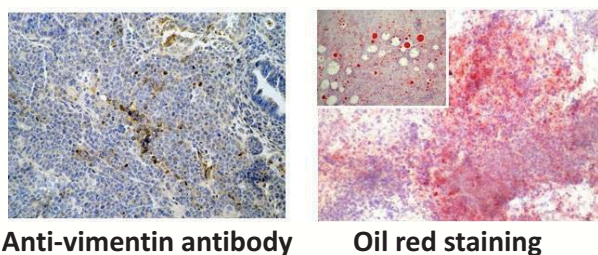
Visualization of the CSC type



Tube formation in type-IV collagen



[Example] Liposarcoma originated from CSC



A Project of Cancer Stem Cell Collection

We propose the generation of various CSC phenotypes in order to establish a collection, which should be a cutting-edge platform for the development of future cancer therapies.

US/PCT Patent Applications
PCT/JP2014/057572

iPS cell

Seno Lab., Okayama Univ.

CSC collection

CM

CSC

	CSCs developed from stem cells												
	A	B	C	D	E	F	G	H	I	J	K	L	M
Standardization													
Culture (substance patent)													
Gene													
Antigen on cell surface													
Distribution in patients													
Screenings													

NOVEL RESEARCH NETWORKS

Proposal of CSCs (Okayama University)
New application of iPS (Developing implementation system)