Novel Strategy for cancer diagnosis and therapy using bioactive peptides

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  [ Invitation of researchers from Toyobo Co. Ltd. ]
Development of an early diagnostic system for uterine sarcoma using bioactive peptides

Prognosis by PET (Fukui University)
Problems: 1) Exposure to radiation 2) High cost for diagnosis

Urgent needs for accurate diagnosis

Non-invasive, rapid, and accurate diagnostic method

Diagnostic system for uterine sarcoma

Diagnosis

Therapy

Uterine sarcoma is an extremely malignant tumor, and is difficult to be distinguished from uterine leiomyoma. We identified bioactive peptides secreted from the sarcoma. We are trying to develop an early diagnostic method for uterine sarcoma using the bioactive peptides.
Development of an early diagnostic system for uterine sarcoma using bioactive peptides

We identified four uterine sarcoma specific bioactive peptides found in sera of patients. We are trying to develop an early diagnostic system for uterine sarcoma using these peptides.