

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Markers			
Gelsolin (GSN) as a marker for cisplatin sensitivity and patient survival in ovarian cancer	<p>Studies in patient samples and cell culture suggest GSN could be a marker for cisplatin sensitivity and poor survival in ovarian cancer. In tumor samples from patients with ovarian cancer, GSN overexpression was associated with tumor progression and decreased survival. In human ovarian cancer cell lines, increased expression of full-length GSN was associated with resistance to cisplatin-induced apoptosis. In a cisplatin-sensitive human ovarian cancer cell line, vector-induced overexpression of a C-terminal GSN fragment led to increased sensitivity to cisplatin-induced apoptosis compared with no alteration. Next steps include determining the effects of GSN on other cancers and chemotherapeutic agents, evaluating the protein's diagnostic and prognostic utility and exploring therapeutic modulation of the GSN pathway.</p> <p>SciBX 7(40); doi:10.1038/scibx.2014.1195 Published online Oct. 16, 2014</p>	Unpatented; available for partnering	<p>Abedini, M.R. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Sept. 22, 2014; doi:10.1073/pnas.1401166111 Contact: Benjamin K. Tsang, University of Ottawa, Ottawa, Ontario, Canada e-mail: btsang@ohri.ca Contact: Dar-Bin Shieh, National Cheng Kung University, Tainan, Taiwan e-mail: dshieh@mail.ncku.edu.tw Contact: Cheng-Yang Chou, same affiliation as above e-mail: chougyn@mail.ncku.edu.tw</p>