Publication List

（2009 - present）

Ⅰ. Original Article

***Correspondence author**

1. Sutoh Yoneyama, M., Hatakeyama, S., Habuchi, T., Inoue, T., Nakamura, T., Funyu, T., Wiche, G., Ohyama, C. and ***Tsuboi, S.** Vimentin intermediate filament and plectin provide a scaffold for invadopodia, facilitating cancer cell invasion and extravasation for metastasis. **European Journal of Cell Biology** 93: 157-169, 2014

2. Imanishi, K., Sutoh Yoneyama, M., Hatakeyama, S., Yamamoto, H., Koie, T., Saitoh, H., Yamaya, K., Funyu, T., Nakamura, T., Ohyama, C. and ***Tsuboi, S.** Invadopodia play an essential role in transendothelial invasion during muscle invasion of bladder cancer cells. **Molecular Medicine Reports** 9: 2159-2165, 2014

3. Tokui, N., Sutoh Yoneyama, M., Hatakeyama, S., Yamamoto, H., Koie, T., Saitoh, H., Yamaya, K., Funyu, T., Nakamura, T., Ohyama, C. and ***Tsuboi, S.** Extravasation during bladder cancer metastasis requires cortactin-mediated invadopodia formation. **Molecular Medicine Reports** 9: 1142-1146, 2014.

4. Sugiyama, N., Sutoh Yoneyama, M., Hatakeyama, S., Yamamoto, H., Okamoto, A., Koie, T., Saitoh, H., Yamaya, K., Funyu, T., Nakamura, T., Ohyama, C. and ***Tsuboi, S.** *In vivo* selection of high-metastatic subline of bladder cancer cell and its characterization. **Oncology Research** 20: 289-295, 2013

5. Okamoto, T., Sutoh Yoneyama, M., Hatakeyama, S., Mori, K., Yamamoto, H., Koie, T., Saitoh, H., Yamaya, K., Funyu, T., Fukuda, M., Ohyama, C. and ***Tsuboi, S.** Core2 *O*-glycan-expressing prostate cancer cells are resistant to NK cell immunity. **Molecular Medicine Reports** 7: 359-364, 2013 .

6. Suzukuki, Y., Sutoh, M., Hatakeyama, S., Mori, K., Yamamoto, H., Koie, T., Saitoh, H., Yamaya, K., Funyu, T., Habuchi, T., Arai, Y., Fukuda, M., Ohyama, C. and ***Tsuboi, S.** MUC1 carrying core 2 *O*-glycans functions as a molecular shield against NK cell attack, promoting bladder tumor metastasis. **International Journal of Oncology** 40: 1831-1838, 2012.

7. ***Tsuboi, S.**, Sutoh, M., Hatakeyama, S., Hiraoka, N., Habuchi, T., Horikawa, Y., Hashimoto, Y.,Yoneyama, T., Mori, K., Koie, T., Nakamura, T., Saitoh, H., Yamaya, K., Funyu, T., Fukuda, M. and Ohyama, C. A novel strategy for evasion of NK cell immunity by tumours expressing core2 *O*-glycans. **EMBO Journal** 30: 3173-3185, 2011

8. Yamamoto, H., Sutoh, M., Hatakeyama, S., Hashimoto, Y.,Yoneyama, T., Koie, T., Saitoh, H., Yamaya, K., Funyu, T., Nakamura, T., Ohyama, C. and ***Tsuboi, S.** Requirement for FBP17 in invadopodia formation by invasive bladder tumor cells. **Journal of Urology** 185: 1930-1938, 2011.

9. Sutoh, M., Hashimoto, Y.,Yoneyama, T., Yamamoto, H., Hatakeyama, S., Koie, T., Okamoto, A., Yamaya, K., Saitoh, H., Funyu, T., Nakamura, T., Sato, T., Ohyama, C. and ***Tsuboi, S.** Invadopodia formation by bladder tumor cells. **Oncology Research** 19: 85-92, 2010.

10. ***Tsuboi, S.,** Takada, H., Hara, T., Mochizuki, N., Funyu, T., Saitoh, H., Terayama, Y., Yamaya, K., Ohyama, C., Nonoyama, S. and Ochs, H. D. FBP17 mediates a common molecular step in the formation of podosomes and phagocytic cups in macrophages. **Journal of Biological Chemistry** 284: 8548-8556, 2009.

II. Review Article

***Correspondence author**

1. *坪井　滋、　畠山真吾、　大山　力　*O*-グリカンによる膀胱癌の新規免疫逃避機構　　病理と臨床　31(8): 868-874, 2013

2. **Tsuboi, S.**　Immunosuppressive functions of core2 *O*-glycans against NK immunity. Trends in Glycoscience and Glycotechnology 25(143): 117-123, 2013

3. ***Tsuboi, S.**　Tumor defense systems using *O*-glycans.　**Biological and Pharmaceutical Bulletin** 35(10): 1633-1636, 2012.

4. ***Tsuboi, S.**, Hatakeyama, S., Ohyama, C. and Fukuda, M.　Two opposing roles of *O*-glycans in tumor metastasis. **Trends in Molecular Medicine** 18: 224-232, 2012.

III. Book Chapter

1. **Glycoscience : Biology and Medicine**
Glycans against NK tumor immunity
Shigeru Tsuboi
Eds. by Naoyuki Taniguchi, Tamao Endo, Gerald Hart, Peter Seeberger, Chi-Huey Wong
2014　Springer　in press.

2. **Handbook of Glycosyltransferases and Related Genes**
Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltrasnsferase 1 (GCNT1) (C2GnT-L) and Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltrasnsferase 3 (GCNT4) (C2GnT-T)
Shigeru Tsuboi　（分担執筆）
Eds. by Naoyuki Taniguchi, Koichi Honke, Minoru Fukuda, Hisashi Narimatsu, Yoshiki Yamaguchi and Takashi Angata　2014　Springer
http://www.springerreference.com/docs/html/chapterdbid/332082.html

3. **Sugar Chains**
Roles of glycans in immune evasion from NK immunity
Shigeru Tsuboi
Eds, by Naoyuki Taniguchi, Tadashi Suzuki, Kazuaki Ohtsubo
2014　Springer　in press.