

所属：医学部・医学系研究科・附属病院 生命医科学専攻 病態修復医学講座

教授 問山 裕二 (といやま ゆうじ)

カテゴリ) 医学・薬学

《一言アピール》 消化器癌(特に大腸癌)における個別化治療導入のためのバイオマーカー探究

研究テーマ

Research Themes

- 消化器癌診断のためのgenetic, epigeneticの観点からのバイオマーカー探索
- 癌幹細胞からみた消化管癌の治療戦略
- 消化器癌における個別化治療のためのバイオマーカー探索

主な保有技術

- 二光子レーザー顕微鏡
- 分子生物学的アプローチ
(血清、組織における遺伝子発現、メチレーション、マイクロRNA発現、タンパク発現)

受賞

- 2010年 FRANK ELLIS MEDAL Award
- 2009年 大腸癌研究会:優秀演題賞
- 2009年 日本癌治療学会:優秀演題賞
- 2007年 三重大学:Young Investigation Awards

著書

- Toiyama Y et al. The Diagnostic, Prognostic, and Predictive Potential of MicroRNA Biomarkers in Colorectal Cancer. *Current Colorectal Cancer Reports* (12 January 2012), pp. 1-10.
- Hur K, Toiyama Y, Takahashi M et al. MicroRNA-200c modulates epithelial-to-mesenchymal transition (EMT) in human colorectal cancer metastasis. *Gut*. 2012 Jul 10.
- Garcia M, Choi C, Kim HR, Daoud Y, Toiyama Y et al. Association Between Recurrent Metastasis From Stage II and III Primary Colorectal Tumors and Moderate Microsatellite Instability. *Gastroenterology*. 2012 Jul;143(1):48-50.e1.
- Toiyama Y et al. Evaluation of CXCL10 as a novel serum marker for predicting liver metastasis and prognosis in colorectal cancer. *Int J Oncol*. 2012 Feb;40(2):560-6.
- Toiyama Y et al. Hepatocellular adenoma containing hepatocellular carcinoma in a male patient with familial adenomatous polyposis coli: Report of a case. *Surg Today*. 2011 Oct;41(10):1442-6.
- Toiyama Y et al. Co-expression of hepatocyte growth factor and c-Met predicts peritoneal dissemination established by autocrine hepatocyte growth factor/c-Met signaling in gastric cancer. *Int J Cancer*. 2012 Jun 15;130(12):2912-21.
- Toiyama Y et al. DPEP1, expressed in the early stages of colon carcinogenesis, affects cancer cell invasiveness. *J Gastroenterol*. 02/2011; 46(2):153-63.
- Toiyama Y et al. Gene Expression Profiles of Epidermal Growth Factor Receptor, Vascular Endothelial Growth Factor and Hypoxia-inducible Factor-1 with Special Reference to Local Responsiveness to Neoadjuvant Chemoradiotherapy and Disease Recurrence After Rectal Cancer Surgery. *Clin Oncol (R Coll Radiol)*. 2010 Jan 29.
- Toiyama Y et al. Loss of tissue expression of interleukin-10 promotes the disease progression of colorectal carcinoma. *Surg Today*. 01/2010; 40(1):46-53. (ほか、2枚目につづく)

所属学会

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| ■ 日本外科学会 | ■ 日本消化器外科学会 | ■ 日本大腸肛門病学会 |
| ■ 日本臨床外科学会 | ■ 日本内視鏡外科学会 | ■ 日本癌治療学会 |
| ■ 日本消化器病学会 | ■ 日本癌学会 | ■ 日本胃癌学会 |
| ■ 日本消化管学会 | | |

関連ホームページ

- 三重大学教員紹介 <http://kyoin.mie-u.ac.jp/profile/2474.html>

☆詳細は、HPをご覧ください。

著書 (つづき)

- Toiyama Y et,al. Intravital imaging of DSS-induced cecal mucosal damage in GFP-transgenic mice using two-photon microscopy. *J Gastroenterol.* 2010 Jan 9
- Toiyama Y et,al. Serum hepatocyte growth factor as a prognostic marker for stage II or III colorectal cancer patients. *Int J Cancer.* 2009 Oct 1;125(7):1657-62.
- Toiyama Y et,al. Circulating form of human vascular adhesion protein-1 (VAP-1): decreased serum levels in progression of colorectal cancer and predictive marker of lymphatic and hepatic metastasis. *J Surg Oncol.* 2009 May 1;99(6):368-72.
- Toiyama Y et,al. Overexpression of the signal peptide whirlin isoform 2 is related to disease progression in colorectal cancer patients. *Int J Oncol.* 2009 Oct;35(4):709-15.
- Toiyama Y et,al. Soluble intercellular adhesion molecule-1 as a prognostic marker for stage II colorectal cancer patients. *Ann Surg Oncol.* 2008 Jun;15(6):1617-24.
- Toiyama Y et,al. Serum immunosuppressive acidic protein reflects systemic deterioration of colorectal cancer patient condition. *J Surg Oncol.* 2008 Apr 1;97(5):404-8.
- Toiyama Y et,al. Alteration of the chemoresistant gene expression during chemotherapy for colon cancer: a molecular case report. *Oncology reports.* 04/2008; 19(3):755-9.
- Toiyama Y et,al. The range of optimal concentration and mechanisms of paclitaxel in radio-enhancement in gastrointestinal cancer cell lines. *Cancer Chemother Pharmacol.* 2007 May;59(6):733-42
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- Toiyama Y et,al. Administration sequence-dependent antitumor effects of paclitaxel and 5-fluorouracil in the human gastric cancer cell line MKN45. *Cancer chemotherapy and pharmacology.* 03/2006; 57(3):368-75.
- Toiyama Y et,al. The expression patterns of Toll-like receptors in the ileal pouch mucosa of postoperative ulcerative colitis patients. *Surgery today.* 02/2006; 36(3):287-90.
- Toiyama Y et,al. Secondary pouchitis in a post-operative patient with ulcerative colitis, successfully treated by salvage surgery. *World journal of gastroenterology : WJG.* 12/2005; 11(43):6888-90.
- Toiyama Y et,al. Persistence of gene expression changes in noninflamed and inflamed colonic mucosa in ulcerative colitis and their presence in colonic carcinoma. *World journal of gastroenterology : WJG.* 10/2005; 11(33):5151-5.
- Toiyama Y et,al. Fulminant ulcerative colitis during pregnancy successfully treated by three-stage operation. *Journal of gastroenterology.* 02/2004; 39(3):300-1.

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