

片山一郎、花田勝美. NFκB デコイ DNA によるアトピー性皮膚炎治療、日本臨床、2005; 63:659-663.

玉井克人:先天性表皮水疱症発症病理、小川秀興編、難治性皮膚疾患の病態と治療。東京;吉川印刷：2005. p.35-38.

Umegaki N, Moritsugu R, Katoh S, Harada K, Nakano H, Tamai K, Hanada K, Tanaka M: Photodynamic therapy may be useful in debulking cutaneous lymphoma prior to radiotherapy. Clin Exp Dermatol 29:42-5, 2004.

Odanagi M, Kikuchi Y, Yamazaki T, Kaneko T, Nakano H, Tamai K, Uitto J, Hanada K: Transcriptional regulation of the 230-kDa bullous pemphigoid antigen gene expression by interferon regulatory factor 1 and interferon regulatory factor 2 in normal human epidermal keratinocytes. Exp Dermatol 13:773-9, 2004.

玉井克人：遺伝子治療の現状：おとり型核酸医薬など、特集・最近のトピックス 2004、5.皮膚科医のための臨床トピックス、臨床皮膚科、2004; 58: 171-174.

玉井克人、金田安史、中邨弘重、青木元邦、森下竜一、片山一郎、花田勝美：重症アトピー性皮膚炎に対する核酸医薬治療：転写因子 NF-κB を標的としたデコイ DNA 軟膏の臨床応用、医学のあゆみ 2004; 210: 101-104.

玉井克人、金田安史、中邨弘重、森下竜一、花田勝美、板見智、片山一郎：核酸医薬外用剤のアトピー性皮膚炎への臨床応用、アレルギー・免疫 2004; 11: 1084-1088.

玉井克人：手許に置きたい診断基準とその解説：先天性表皮水疱症、皮膚科の臨床、2004; 44: 1546-1555.

分担研究者：岸本治郎

Soma T, Ishimatsu-Tsuji Y, Tajima M, Kishimoto J: Runx1 transcription factor is involved in the regulation of KAP5 gene expression in human hair follicles. *J Dermatol Sci* 41:221-4, 2006.

Shirakata Y, Kishimoto J, Tokumaru S, Yamasaki K, Hanakawa Y, Tohyama M, Sayama K, Hashimoto K: Epiregulin, a member of the EGF family, is over-expressed in psoriatic epidermis. *J Dermatol Sci* 45:69-72, 2007.

Soma T, Yano K, Kishimoto J: Biotechnology in hair care.(II): Growth modulation. in *Cosmetic science and technology series 29*, 267-296, Taylor & Francis, New York 2006.

Ishimatsu-Tsuji Y, Moro O, Kishimoto J: Expression profiling and cellular localization of genes associated with the hair cycle induced by wax depilation. *J Invest Dermatol* 125:410-20, 2005

Soma T, Tajima M, Kishimoto J: Hair cycle-specific expression of versican in human hair follicles. *J Dermatol Sci* 39:147-54, 2005

Soma T, Iino M, Tajima M, Kishimoto J: Expression of novel keratin associated protein 5 genes in the cuticle layer of human hair follicles. *J Dermatol Sci* 38:110-2. 2005

Kobayashi K, Kishimoto J, Hattori S, Wachi H, Shinkai H, and Burgeson RE: Matrix metalloproteinase-9 expression is coordinately modulated by the KRE-M9 and TPA responsive elements. *J Invest Dermatol* 122:278-85, 2004

分担研究者：白方裕司

Shirakata Y, Kishimoto J, Tokumaru S, Yamasaki K, Hanakawa Y, Tohyama M, Sayama K, Hashimoto K.: Epiregulin, a member of the EGF family, is over-expressed in psoriatic epidermis. *J Dermatol Sci* 45:69-72, 2007

Shiraishi K, Yamasaki K, Nanba D, Inoue H, Hanakawa Y, Shirakata Y, Hashimoto K, Higashiyama S.: Pre-B-cell leukemia transcription factor 1 is a major target of promyelocytic leukemia zinc-finger-mediated melanoma cell growth suppression. *Oncogene* 26:339-48, 2007

Yang L, Yamasaki K, Shirakata Y, Dai X, Tokumaru S, Yahata Y, Tohyama M, Hanakawa Y, Sayama K, Hashimoto K: Bone morphogenetic protein-2 modulates Wnt and frizzled expression and enhances the canonical pathway of Wnt signaling in normal keratinocytes. *J Dermatol Sci* 42:111-9, 2006

Dai X, Sayama K, Yamasaki K, Tohyama M, Shirakata Y, Hanakawa Y, Tokumaru S, Yahata Y, Yang L, Yoshimura A, Koji Hashimoto K: SOCS1 negative feedback of STAT1 activation is a key pathway in the dsRNA-induced innate immune response of human keratinocytes. *J Invest Dermatol* 126:1574-81, 2006

Yahata Y, Shirakata Y, Tokumaru S, Yang L, Dai X, Tohyama M, Tsuda T, Sayama K, Iwai M, Horiuchi M, Hashimoto K: A novel function of angiotensin II in skin wound healing: Induction of fibroblast and keratinocyte migration by angiotensin II via HB-EGF-mediated EGF receptor transactivation. *J Biol Chem* 281:13209-16, 2006 (first co-author)

Yang L, Shirakata Y, Shudou M, Dai X, Tokumaru S, Hirakawa S, Sayama K, Hamuro J, Hashimoto K: New skin-equivalent model from de-epithelialized amnion membrane. *Cell Tissue Res* 326:69-77, 2006 (first co-author)

Sayama K, Hanakawa Y, Nagai H, Shirakata Y, Dai X, Hirakawa S, Tokumaru S, Tohyama M, Yang L, Sato S, Shizuo A, Hashimoto K: TAK1 is essential for differentiation and the prevention of apoptosis in epidermis. *J Biol Chem* 281:22013-20, 2006

Shirakata Y, Kimura R, Nanba D, Iwamoto R, Tokumaru S, Morimoto C, Yokota K, Nakamura M, Sayama K, Mekada E, Higashiyama S, and Hashimoto K: Heparin-binding EGF-like growth factor accelerates keratinocyte migration and skin wound healing. *J Cell Sci* 118: 2363-70, 2005

Tokumaru S, Sayama K, Yamasaki K, Shirakata Y, Hanakawa Y, Yahata Y, Dai X, Tohyama M, Yang L, Yoshimura A, Hashimoto K.: SOCS3/CIS3 negative regulation of STAT3 in HGF-induced keratinocyte migration. *Biochem Biophys Res Commun* 327:100-5, 2005

Ishii K, Harada R, Matsuo I, Shirakata Y, Hashimoto K, Amagai M.: In vitro keratinocyte dissociation assay for evaluation of the pathogenicity of anti-desmoglein 3 IgG autoantibodies in pemphigus vulgaris. *J Invest Dermatol* 124:939-46, 2005

Hanakawa Y, Shirakata Y, Nagai H, Yahata Y, Tokumaru S, Yamasaki K, Tohyama M, Sayama K, Hashimoto K.: Cre-loxP adenovirus-mediated foreign gene expression in skin-equivalent keratinocytes. *Br J Dermatol* 152:1391-2, 2005

Sayama K, Komatsuzawa H, Yamasaki K, Shirakata Y, Hanakawa Y, Ouhara K, Tokumaru S, Dai X, Tohyama M, Ten Dijke P, Sugai M, Ichijo H, Hashimoto K: New mechanisms of skin innate immunity: ASK1-mediated keratinocyte differentiation regulates the expression of  $\beta$ -defensins, LL37, and TLR2. *Eur J Immunol* 35:1886-95, 2005

Yang L, Shirakata Y, Tamai K, Dai X, Hanakawa Y, Tokumaru S, Yahata Y, Tohyama M, Shiraishi K, Nagai H, Wang X, Murakami S, Sayama K, Kaneda Y, Hashimoto K: Microbubble-enhanced ultrasound for gene transfer into living skin equivalents. *Dermatol Sci* 40:105-14, 2005

Tohyama M, Dai X, Yamasaki K, Shirakata Y, Hanakawa Y, Tokumaru S, Yahata Y, Yang L, Nagai H, Takashima A, Hashimoto K: dsRNA-mediated innate immunity of epidermal keratinocytes. *Biochem Biophys Res Commun* 335:505-11, 2005

Tokumaru S, Sayama K, Shirakata Y, Komatsuzawa H, Ouhara K, Hanakawa Y, Yahata Y, Dai X, Tohyama M, Nagai H, Yang L, Higashiyama S, Yoshimura A, Sugai M, Hashimoto K: Induction of keratinocyte migration via transactivation of the EGF

receptor by the antimicrobial peptide LL-37. *J Immunol* 175:4662-8, 2005

Shirakata Y, Ueno H, Hanakawa Y, Kameda K, Yamasaki K, Tokumaru S, Yahata Y, Tohyama M, Sayama K, Hashimoto K.: TGF-beta is not involved in early phase growth inhibition of keratinocytes by 1alpha,25(OH)2vitamin D3. *J Dermatol Sci* 36:41-50, 2004

Dai X, Yamasaki K, Shirakata Y, Sayama K, Hashimoto K.: All-trans-retinoic acid induces interleukin-8 via the nuclear factor-kappaB and p38 mitogen-activated protein kinase pathways in normal human keratinocytes. *J Invest Dermatol* 123:1078-85, 2004

Dai X, Yamasaki K, Yang L, Sayama K, Shirakata Y, Tokumara S, Yahata Y, Tohyama M, Hashimoto K.: Keratinocyte G2/M growth arrest by 1,25-dihydroxyvitamin D3 is caused by Cdc2 phosphorylation through Wee1 and Myt1 regulation. *J Invest Dermatol* 122:1356-64, 2004

荒木絵里, 森 亮子, 田中敦俊, 谷崎英昭, 是枝 哲, 高橋健造, 立花隆夫, 宮地良樹, 白方裕司, 橋本公二 : 培養表皮シート移植術を施行した劣性栄養障害型先天性表皮水疱症の2例 皮膚の科学 ; 3 : 22-27, 2004.

白方裕司, 橋本公二 : 培養皮膚の臨床応用 皮膚科の臨床 ; 46 : 173-180, 2004.

白方裕司 : Physician Scientistsに聞く 新しい治療法としての培養表皮シートの移植 日本皮膚科学会雑誌 ; 114 : 2056-2059, 2004.