

主要論文

1. Kobayashi A, Azuma K, Takeiwa T, Kitami T, Horie K, Ikeda K, Inoue S: A FRET-based respirasome assembly screen identifies spleen tyrosine kinase as a target to improve muscle mitochondrial respiration and exercise performance in mice. *Nat Commun* 14, 312, 2023.
2. Yoh K, Ikeda K, Horie K, Inoue S: Roles of Estrogen, Estrogen Receptors, and Estrogen-Related Receptors in Skeletal Muscle: Regulation of Mitochondrial Function. *Int J Mol Sci* 24, 1853, 2023.
3. Horie K, Takagi K, Takeiwa T, Mitobe Y, Kawabata H, Suzuki T, Ikeda K, Inoue S: Estrogen-Inducible LncRNA *BNAT1* Functions as a Modulator for Estrogen Receptor Signaling in Endocrine-Resistant Breast Cancer Cells. *Cells* 11, 3610, 2022.
4. Kitayama S, Ikeda K, Sato W, Takeshita H, Kawakami S, Inoue S, Horie K: Testis-expressed gene 11 inhibits cisplatin-induced DNA damage and contributes to chemoresistance in testicular germ cell tumor. *Sci Rep* 12, 18423, 2022.
5. Takayama KI, Inoue S: Targeting phase separation on enhancers induced by transcription factor complex formations as a new strategy for treating drug-resistant cancers. *Front Oncol* 12, 1024600, 2022.
6. Yoh K, Ikeda K, Nagai S, Horie K, Takeda S, Inoue S: Constitutive activation of estrogen receptor α signaling in muscle prolongs exercise endurance in mice. *Biochem Biophys Res*

Commun 628, 11-17, 2022.

7. Azuma K, Inoue S: Efp/TRIM25 and Its Related Protein, TRIM47, in Hormone-Dependent Cancers. *Cells* 11, 2464, 2022.
8. Sato W, Ikeda K, Gotoh N, Inoue S, Horie K: Efp promotes growth of triple-negative breast cancer cells. *Biochem Biophys Res Commun* 624, 81-88, 2022.
9. Funakoshi D, Obinata D, Fujiwara K, Yamamoto S, Takayama K, Hara M, Takahashi S, Inoue S: Antitumor effects of pyrrole-imidazole polyamide modified with alkylating agent on prostate cancer cells. *Biochem Biophys Res Commun* 623, 9-16, 2022.
10. Azuma K, Osuka Y, Kojima N, Sasai H, Kim H, Inoue S: Association of vitamin K insufficiency as evaluated by serum undercarboxylated osteocalcin with frailty in community-dwelling older adults. *Front Aging* 3, 865178, 2022.
11. Kimura N, Takayama KI, Yamada Y, Kume H, Fujimura T, Inoue S: Ribonuclease H2 Subunit A Preserves Genomic Integrity and Promotes Prostate Cancer Progression. *Cancer Res Commun* 2, 870-883, 2022.
12. Takeiwa T, Ikeda K, Suzuki T, Sato W, Iino K, Mitobe Y, Kawabata H, Horie K, Inoue S: PSPC1 is a potential prognostic marker for hormone-dependent breast cancer patients and modulates RNA processing of *ESR1* and *SCFD2*. *Sci Rep* 12, 9495, 2022.
13. Azuma K, Osuka Y, Kojima N, Sasai H, Kim H, Inoue S: Association of Vitamin K

- Insufficiency as Evaluated by Serum Undercarboxylated Osteocalcin With Depressive Symptoms in Community-Dwelling Older Adults. *Am J Geriatr Psychiatry* 30, 1051-1052, 2022.
14. Obinata D, Funakoshi D, Takayama K, Hara M, Niranjana B, Teng L, Lawrence MG, Taylor RA, Risbridger GP, Suzuki Y, Takahashi S, Inoue S: OCT1-target neural gene PFN2 promotes tumor growth in androgen receptor-negative prostate cancer. *Sci Rep* 12, 6094, 2022.
15. Ogura T, Azuma K, Takeiwa T, Sato J, Kinowaki K, Ikeda K, Kawabata H, Inoue S: TRIM39 is a poor prognostic factor for patients with estrogen receptor-positive breast cancer and promotes cell cycle progression. *Pathol Int* 72, 96-106, 2022.
16. Kamada S, Takeiwa T, Ikeda K, Horie K and Inoue S: Emerging roles of COX7RP and mitochondrial oxidative phosphorylation in breast cancer. *Front Cell Dev Biol* 10, 717881, 2022.
17. Azuma K, Osuka Y, Kojima N, Sasai H, Kim H, Inoue S: Association of vitamin K insufficiency with cognitive dysfunction in community-dwelling older adults. *Front Nutri* 8, 811831, 2022.
18. Nagasawa S, Ikeda K, Shintani D, Yang C, Takeda S, Hasegawa K, Horie K, Inoue S: Identification of a novel oncogenic fusion gene *SPON1-TRIM29* in clinical ovarian

cancer that promotes cell and tumor growth and enhances chemoresistance in A2780 cells.

Int J Mol Sci 23, 689, 2022.

19. Kamada S, Ikeda K, Suzuki T, Sato W, Kitayama S, Kawakami S, Ichikawa T, Horie K, Inoue S: Clinicopathological and preclinical patient-derived model studies define high expression of NRN1 as a diagnostic and therapeutic target for clear cell renal cell carcinoma. *Front Oncol* 11, 758503, 2021.
20. Ogura T, Azuma K, Sato J, Kinowaki K, Takayama KI, Takeiwa T, Kawabata H, Inoue S: OCT1 is a poor prognostic factor for breast cancer patients and promotes cell proliferation via inducing NCAPH. *Int J Mol Sci* 22, 11505, 2021.
21. Takeiwa T, Mitobe Y, Ikeda K, Hasegawa K, Horie K, Inoue S: Long intergenic noncoding RNA *OINI* promotes ovarian cancer growth by modulating apoptosis-related gene expression. *Int J Mol Sci* 22, 11242, 2021.
22. Takamatsu K, Tanaka J, Katada R, Azuma K, Takakura I, Aota K, Kamatani T, Shirota T, Inoue S, Mishima K: Aging-associated stem/progenitor cell dysfunction in the salivary glands of mice. *Exp Cell Res* 409, 112889, 2021.
23. Sato K, Takayama K, Hashimoto M, Inoue S: Transcriptional and post-transcriptional regulations of amyloid- β precursor protein, APP. *Front Aging* 2, 721579, 2021.

24. Azuma K, Ikeda K, Suzuki T, Aogi K, Horie-Inoue K, Inoue S: TRIM47 activates NF- κ B signaling via PKC ϵ /PKD3 stabilization and contributes to endocrine therapy resistance in breast cancer. *Proc Natl Acad Sci U S A* 118, e2100784118, 2021.
25. Takayama K, Kosaka T, Suzuki T, Hongo H, Oya M, Fujimura T, Suzuki Y, Inoue S: Subtype-specific collaborative transcription factor networks are promoted by OCT4 in the progression of prostate cancer. *Nat Commun* 12, 3766, 2021.
26. Takayama K, Honma T, Suzuki T, Kondoh Y, Osada H, Suzuki Y, Yoshida M, Inoue S: Targeting epigenetic and post-transcriptional gene regulation by PSF impairs hormone therapy-refractory cancer growth. *Cancer Res* 81, 3495-3508, 2021.
27. Kamada S, Namekawa T, Ikeda K, Suzuki T, Kagawa M, Takeshita H, Yano A, Okamoto K, Ichikawa T, Horie-Inoue K, Kawakami S, Inoue S: Functional inhibition of cancer stemness-related protein DPP4 rescues tyrosine kinase inhibitor resistance in renal cell carcinoma. *Oncogene* 40, 3899-3913, 2021.
28. Takeiwa T, Ikeda K, Horie-Inoue K, Inoue S: Mechanisms of apoptosis-related long non-coding RNAs in ovarian cancer. *Front Cell Dev Biol* 9, 641963, 2021.
29. Hashimoto M, Ho G, Sugama S, Takenouchi T, Waragai M, Inoue S, Masliah E: Possible role of activin in the adiponectin paradox-induced progress of Alzheimer's disease. *J Alzheimers Dis* 81, 451-458, 2021.

30. Yang C, Ikeda K, Horie-Inoue K, Sato W, Hasegawa K, Takeda S, Itakura A, Inoue S: Transcriptomic analysis of hormone-sensitive patient-derived endometrial cancer spheroid culture defines Efp as a proliferation modulator. *Biochem Biophys Res Commun* 548, 204-210, 2021.
31. Shiba S, Ikeda K, Horie-Inoue K, Azuma K, Hasegawa T, Amizuka N, Tanaka T, Takeiwa T, Shibata Y, Koji T, Inoue S: Vitamin K-dependent γ -glutamyl carboxylase in Sertoli cells is essential for male fertility in mice. *Mol Cell Biol* MCB.00404-20, 2021 and Highlighted in “*Spotlights*” and *Cover*.
32. Murayama T, Takauchi Y, Yamawaki K, Natsume T, Li M, Nichole R Chaverra, Nishimura T, Kogure Y, Nakata A, Tominaga K, Sasahara A, Yano M, Ishikawa S, Ohta T, Ikeda K, Horie-Inoue K, Inoue S, Seki M, Suzuki Y A, Sugano S, Enomoto T, Tanabe M, Tada K, Kanemaki M, Okamoto K, Tojo A, Gotoh N: MCM10 compensates for Myc-induced DNA replication stress in breast cancer stem-like cells. *Cancer Sci* 112, 1209-1224, 2021.
33. Takamatsu Y, Hob G, Wada R, Inoue S, Hashimoto M: Adiponectin paradox as a therapeutic target of the cancer evolvability in aging. *Neoplasia* 23, 112-117, 2021.

34. Sato J, Azuma K, Kinowaki K, Ikeda K, Ogura T, Takazawa Y, Kawabata H, Kitagawa M, Inoue S: Combined A20 and tripartite motif-containing 44 as poor prognostic factors for breast cancer patients of the Japanese population. *Pathol Int* 71, 60-69, 2021.
35. Sato J, Azuma K, Kinowaki K, Ikeda K, Ogura T, Takazawa Y, Kawabata H, Kitagawa M, Inoue S: Combined use of immunoreactivities of RIG-I with Efp/TRIM25 for predicting prognosis of estrogen receptor-positive breast cancer patients. *Clin Breast Cancer* S1526-8209(20)30328-1, 2020.
36. Takayama K, Fujimura T, Suzuki Y, Inoue S: Identification of long non-coding RNAs in advanced prostate cancer associated with androgen receptor splicing factors. *Commun Biol* 3, 393, 2020.
37. Namekawa T, Kitayama S, Ikeda K, Horie-Inoue K, Suzuki T, Okamoto K, Ichikawa T, Yano A, Kawakami S, Inoue S: HIF1 α inhibitor 2-methoxyestradiol decreases NRN1 expression and represses in vivo and in vitro growth of patient-derived testicular germ cell tumor spheroids. *Cancer Lett* 489, 79-86, 2020.
38. Mitobe Y, Iino K, Takayama KI, Ikeda K, Suzuki T, Aogi K, Kawabata H, Suzuki Y, Horie-Inoue K, Inoue S: PSF promotes ER-positive breast cancer progression via posttranscriptional regulation of ESR1 and SCFD2. *Cancer Res* 80, 2230-2242, 2020.

39. Mitobe Y, Ikeda K, Sato W, Kodama Y, Naito M, Gotoh N, Miyata K, Kataoka K, Sasaki H, Horie-Inoue K, Inoue S: Proliferation-associated long noncoding RNA, *TMPO-AS1*, is a potential therapeutic target for triple-negative breast cancer. *Cancer Sci* 111, 2440-2450, 2020.
40. Yang C, Ota-Kurogi N, Ikeda K, Okumura T, Horie-Inoue K, Takeda S, Inoue S: microRNA-191 regulates endometrial cancer cell growth via TET1-mediated epigenetic modulation of APC. *J Biochem* 68, 7-14, 2020.
41. Iino K, Mitobe Y, Ikeda K, Takayama KI, Suzuki T, Kawabata H, Suzuki Y, Horie-Inoue K, Inoue S: RNA-binding protein NONO promotes breast cancer proliferation by post-transcriptional regulation of SKP2 and E2F8. *Cancer Sci* 111, 148-159, 2020.
42. Obinata D, Lawrence MG, Takayama K, Choo N, Risbridger GP, Takahashi S, Inoue S: Recent discoveries in the androgen receptor pathway in castration-resistant prostate cancer. *Front Oncol* 10, 581515, 2020.
43. Kamada S, Takeiwa T, Ikeda K, Horie-Inoue K, Inoue S: Long noncoding RNAs involved in metabolic alterations in breast and prostate cancers. *Front Oncol* 10, 593200, 2020.

44. Kobayashi A, Azuma K, Ikeda K, Inoue S: Mechanisms underlying the regulation of mitochondrial respiratory chain complexes by nuclear steroid receptors. *Int J Mol Sci* 21, 6683, 2020.
45. Takeiwa T, Ikeda K, Mitobe Y, Horie-Inoue K, Inoue S: Long noncoding RNAs involved in the endocrine therapy resistance of breast cancer. *Cancers* 12, 1424, 2020.
46. Azuma K, Ikeda K, Inoue S: Functional mechanisms of mitochondrial respiratory chain supercomplex assembly factors and their involvement in muscle quality. *Int J Mol Sci* 21, 3182, 2020.
47. Takeiwa T, Mitobe Y, Ikeda K, Horie-Inoue K, Inoue S: Roles of splicing factors in hormone-related cancer progression. *Int J Mol Sci* 21, 1551, 2020.
48. Mitobe Y, Ikeda K, Suzuki T, Takagi K, Kawabata H, Horie-Inoue K, Inoue S: ESR1-stabilizing lncRNA TMPO-AS1 promotes hormone-refractory breast cancer progression. *Mol Cell Biol* 39, e00261-19, 2019. and Highlighted in "*Spotlight*" and *Cover*.
49. Takayama K, Fujiwara K, Inoue S: Amyloid precursor protein, an androgen-regulated gene, is targeted by RNA-binding protein PSF/SFPQ in neuronal cells. *Genes Cells* 24, 719-730, 2019.

50. Ikeda K, Horie-Inoue K, Suzuki T, Hobo R, Nakasato N, Takeda S, Inoue S:
Mitochondrial supercomplex assembly promotes breast and endometrial tumorigenesis
by metabolic alterations and enhanced hypoxia tolerance. *Nat Commun* 10, 4108, 2019.
51. Yamamoto S, Takayama K, Obinata D, Fujiwara K, Ashikari D, Takahashi S, Inoue S:
Identification of new octamer transcription factor 1-target genes upregulated in
castration-resistant prostate cancer. *Cancer Sci* 110, 3476-3485, 2019.
52. Shiba S, Ikeda K, Suzuki T, Shintani D, Okamoto K, Horie-Inoue K, Hasegawa K,
Inoue S: Hormonal regulation of patient-derived endometrial cancer stem-like cells
generated by three-dimensional culture. *Endocrinology* 160, 1895-1906, 2019 and
Highlighted in "*eNews*", pii: en.2019-00362.
53. Namekawa T, Ikeda K, Horie-Inoue K, Suzuki T, Okamoto K, Ichikawa T, Yano, A,
Kawakami S, Inoue S: ALDH1A1 in patient-derived bladder cancer spheroids activates
retinoic acid signaling leading to TUBB3 overexpression and tumor progression. *Int J
Cancer* 146, 1099-1113, 2020.
54. Takayama K, Suzuki Y, Yamamoto S, Obinata D, Takahashi S, Inoue S: Integrative
genomic analysis of OCT1 reveals coordinated regulation of androgen receptor in
advanced prostate cancer. *Endocrinology* 160, 463-472, 2019.

55. Azuma K, Inoue S: Multiple modes of vitamin K actions in aging-related musculoskeletal disorders. *Int J Mol Sci* 20, 2844, 2019.
56. Ikeda K, Horie-Inoue K, Inoue S: Functions of estrogen and estrogen receptor signaling on skeletal muscle. *J Steroid Biochem Mol Biol* 191, 105375, 2019.
57. Namekawa T, Ikeda K, Horie-Inoue K, Inoue S: Application of prostate cancer models for preclinical study: Advantages and limitations of cell lines, patient-derived xenografts, and three-dimensional culture of patient-derived cells. *Cells* 8, 74, 2019.
58. Takayama K, Suzuki T, Fujimura T, Takahashi S, Inoue S: COBLL1 modulates cell morphology and facilitates androgen receptor genomic binding in advanced prostate cancer. *Proc Natl Acad Sci U S A* 115, 4975-4980, 2018.
59. Takayama K, Suzuki T, Tanaka T, Fujimura T, Takahashi S, Urano T, Ikeda K, Inoue S: TRIM25 enhances cell growth and cell survival by modulating p53 signals via interaction with G3BP2 in prostate cancer. *Oncogene* 37, 2165-2180, 2018.
60. Takayama K, Suzuki T, Fujimura T, Takahashi S, Inoue S: Association of USP10 with G3BP2 inhibits p53 signaling and contributes to poor outcome in prostate cancer. *Mol Cancer Res* 16, 846-856, 2018.

61. Miyazaki T, Ikeda K, Sato W, Horie-Inoue K, Inoue S: Extracellular vesicle-mediated EBAG9 transfer from cancer cells to tumor microenvironment promotes immune escape and tumor progression. *Oncogenesis* 7, 7, 2018
62. Mitobe Y, Takayama K, Horie-Inoue K, Inoue S: Prostate cancer-associated lncRNAs. *Cancer Lett* 418, 159-166, 2018.
63. Takayama K, Suzuki T, Fujimura T, Yamada Y, Takahashi S, Homma Y, Suzuki Y, Inoue S: Dysregulation of spliceosome gene expression in advanced prostate cancer by RNA-binding protein PSF. *Proc Natl Acad Sci U S A*, 114, 10461-10466, 2017.
64. Shiba S, Ikeda K, Horie-Inoue K, Nakayama A, Tanaka T, Inoue S: Deficiency of COX7RP, a mitochondrial supercomplex assembly promoting factor, lowers blood glucose level in mice. *Sci Rep* 7, 7606, 2017.
65. Ashikari D, Takayama K, Tanaka T, Suzuki Y, Obinata D, Fujimura T, Urano T, Takahashi S, Inoue S: Androgen induces G3BP2 and SUMO-mediated p53 nuclear export in prostate cancer. *Oncogene* 36, 6272-6281, 2017.
66. Kawabata H, Azuma K, Ikeda K, Sugitani I, Kinowaki K, Fujii T, Osaki A, Saeki T, Horie-Inoue K, Inoue S: TRIM44 is a poor prognostic factor for breast cancer patients as a modulator of NF-kB signaling. *Int. J. Mol. Sci* 18, pii: E1931, 2017.

67. Nagai S, Ikeda K, Horie-Inoue K, Shiba S, Nagasawa S, Takeda S, Inoue S: Estrogen modulates exercise endurance along with mitochondrial uncoupling protein 3 downregulation in skeletal muscle of female mice. *Biochem Biophys Res Commun* 480, 758-764, 2016.
68. Huang L, Zhang H, Cheng CY, Wen F, Tam POS, Zhao P, Chen H, Li Z, Chen L, Tai Z, Yamashiro K, Deng S, Zhu X, Chen W, Li C, Lu F, Li Y, Cheung CMG, Shi Y, Miyake M, Lin Y, Gong B, Liu X, Sim KS, Yang J, Mori K, Zhang X, Cackett PD, Tsujikawa M, Nishida K, Hao F, Ma S, Lin H, Chen J, Fei P, Lai TYY, Tang S, Laude A, Inoue S, Yeo IY, Sakurada Y, Zhou Y, Iijima H, Honda S, Lei C, Zhang L, Zheng H, Jiang D, Zhu X, Wong TY, Khor CC, Pang CP, Yoshimura N, Yang Z: A missense variant in FGD6 confers increased risk of polypoidal choroidal vasculopathy. *Nat Genet* 48, 640-647, 2016.
69. Aihara H, Nakagawa T, Mizusaki H, Yoneda M, Kato M, Doiguchi M, Imamura Y, Higashi M, Ikura T, Hayashi T, Kodama Y, Oki M, Nakayama T, Edwin Cheung, Aburatani H, Takayama K, Koseki H, Inoue S, Takeshima Y, Ito T: Histone H2A T120 phosphorylation promotes oncogenic transformation via upregulation of cyclin D1. *Mol Cell* 64, 176-188, 2016.

70. Misawa A, Takayama K, Urano T, Inoue S: Androgen-induced long noncoding RNA (lncRNA) SOCS2-AS1 promotes cell growth and inhibits apoptosis in prostate Cancer cells. *J Biol Chem* 291, 17861-80, 2016.
71. Obinata D, Takayama K, Fujiwara K, Suzuki T, Tsutsumi S, Fukuda N, Nagase H, Fujimura T, Urano T, Homma Y, Aburatani H, Takahashi S, Inoue S: Targeting Oct1 genomic function inhibits androgen receptor signaling and castration-resistant prostate cancer growth. *Oncogene* 35, 6350-6358, 2016.
72. Takayama K, Misawa A, Suzuki T, Takagi K, Hayashizaki Y, Fujimura T, Homma Y, Takahashi S, Urano T, Inoue S: TET2 repression by androgen hormone regulates global hydroxymethylation status and prostate cancer progression. *Nat Commun* 6, 8219, 2015.
73. Azuma K, Shiba S, Hasegawa T, Ikeda K, Urano T, Horie-Inoue K, Ouchi Y, Amizuka N, Inoue S: Osteoblast-specific γ -glutamyl carboxylase-deficient mice display enhanced bone formation with aberrant mineralization. *J Bone Miner Res* 30, 1245-1254, 2015.
74. Azuma K, Casey SC, Urano T, Horie-Inoue K, Ouchi Y, Blumberg B, Inoue S: Pregnane X receptor knockout mice display aging-dependent wearing of articular cartilage. *PLoS One* 10, e0119177, 2015.
75. Zhang P, Elabd S, Hammer S, Solozobova V, Yan H, Bartel F, Inoue S, Henrich T,

- Wittbrodt J, Loosli F, Davidson G, Blattner C: TRIM25 has a dual function in the p53/Mdm2 circuit. *Oncogene* 34, 5729-5738, 2015.
76. Urano T, Shiraki M, Sasaki N, Ouchi Y, Inoue S: *SLC25A24* as a novel susceptibility gene for low fat mass in humans and mice. *J Clin Endocrinol Metab* 100, E655-E663, 2015.
77. Takayama K, Suzuki T, Tsutsumi S, Fujimura T, Takahashi S, Homma Y, Urano T, Aburatani H, Inoue S: Integrative analysis of FOXP1 function reveals a tumor suppressive effect in prostate cancer. *Mol Endocrinol* 28, 2012-2024, 2014.
78. Takayama K, Suzuki T, Fujimura T, Urano T, Takahashi S, Homma Y, Inoue S: CtBP2 modulates the androgen receptor to promote prostate cancer progression. *Cancer Res* 74, 6542-6553, 2014.
79. Miyazaki T, Ikeda K, Horie-Inoue K, Kondo T, Takahashi S, Inoue S: EBAG9 modulates host immune defense against tumor formation and metastasis by regulating cytotoxic activity of T lymphocytes. *Oncogenesis* 3, e126, 2014.
80. Urano T, Shiraki M, Sasaki N, Ouchi Y, Inoue S: Large-scale analysis reveals a functional single-nucleotide polymorphism in the 5'-flanking region of PRDM16 gene associated with lean body mass. *Aging Cell* 13, 739-743, 2014.

81. Azuma K, Ouchi Y, Inoue S: Vitamin K: novel molecular mechanisms of action and its roles in osteoporosis. *Geriatr Gerontol Int* 14, 1-7, 2014.
82. Takayama K, Horie-Inoue K, Katayama S, Suzuki T, Tsutsumi S, Ikeda K, Urano T, Fujimura T, Takagi K, Takahashi S, Homma Y, Ouchi Y, Aburatani H, Hayashizaki Y, Inoue S: Androgen-responsive long noncoding RNA CTBP1-AS promotes prostate cancer. *EMBO J* 32, 1665-1680, 2013 and highlighted in "*Have you seen?*" pp.1653-1654.
83. Ikeda K, Shiba S, Horie-Inoue K, Shimokata K, Inoue S: A stabilizing factor for mitochondrial respiratory supercomplex assembly regulates energy metabolism in muscle. *Nat Commun* 4, 2147, 2013.
84. Takayama K, Horie-Inoue K, Suzuki T, Urano T, Ikeda K, Fujimura T, Takahashi S, Homma Y, Ouchi Y, Inoue S: TACC2 is an androgen-responsive cell cycle regulator promoting androgen-mediated and castration-resistant growth of prostate cancer. *Mol Endocrinol* 26, 748-761, 2012 and highlighted in "*Editorial*" p.715.
85. Murata T, Takayama K, Urano T, Fujimura T, Ashikari D, Obinata D, Horie-Inoue K, Takahashi S, Ouchi Y, Homma Y, Inoue S: 14-3-3ζ, a novel androgen-responsive gene, is upregulated in prostate cancer and promotes prostate cancer cell proliferation and survival. *Clin Cancer Res* 18, 5617-5627, 2012.

86. Urano T, Shiraki M, Ouchi Y, Inoue S: Association of circulating sclerostin levels with fat mass and metabolic disease-related markers in Japanese postmenopausal women. *J Clin Endocrinol Metab* 97, E1473-E1477, 2012.
87. Urano T, Shiraki M, Yagi H, Ito M, Sasaki N, Sato M, Ouchi Y, Inoue S: GPR98/Gpr98 gene is involved in the regulation of human and mouse bone mineral density. *J Clin Endocrinol Metab* 97, E565-E574, 2012.
88. Azuma K, Inoue S: Genomic and non-genomic actions of estrogen: recent developments. *Biomol Concepts*. 3, 365-370, 2012.
89. Takayama K, Tsutsumi S, Katayama S, Okayama T, Horie-Inoue K, Ikeda K, Urano T, Kawazu C, Hasegawa A, Ikeo K, Gojyobori T, Ouchi Y, Hayashizaki Y, Aburatani H, Inoue S: Integration of cap analysis of gene expression and chromatin immunoprecipitation analysis on array reveals genome-wide androgen receptor signaling in prostate cancer cells. *Oncogene* 30, 619-630, 2011.
90. Azuma K, Casey SC, Ito M, Urano T, Horie K, Ouchi Y, Kirchner S, Blumberg B, Inoue S: Pregnane X receptor knockout mice display osteopenia with reduced bone formation and enhanced bone resorption. *J Endocrinol* 207, 257-263, 2010.
91. Takayama K, Tsutsumi S, Suzuki T, Horie-Inoue K, Ikeda K, Kaneshiro K, Fujimura T, Kumagai J, Urano T, Sakaki Y, Shirahige K, Sasano H, Takahashi S, Kitamura T,

- Ouchi Y, Aburatani H, Inoue S: Amyloid precursor protein is a primary androgen target gene that promotes prostate cancer growth. *Cancer Res* 69, 137-142, 2009.
92. Azuma K, Urano T, Horie-Inoue K, Hayashi S, Sakai R, Ouchi Y, Inoue S: Association of estrogen receptor α and histone deacetylase 6 causes rapid deacetylation of tubulin in breast cancer cell. *Cancer Res* 69, 2935-2940, 2009.
93. Gack MU, Shin YC, Joo CH, Urano T, Liang C, Sun L, Takeuchi O, Akira S, Chen Z, Inoue S, Jung JU: TRIM25 RING-finger E3 ubiquitin ligase is essential for RIG-I-mediated antiviral activity. *Nature* 446, 916-921, 2007.
94. Ichikawa T, Horie-Inoue K, Ikeda K, Blumberg B, Inoue S: Steroid and xenobiotic receptor SXR mediates vitamin K2-activated transcription of extracellular matrix-related genes and collagen accumulation in osteoblastic cells. *J Biol Chem* 281, 16927-16934, 2006, Cover, and highlighted in "Paper of this week".
95. Ogushi T, Takahashi S, Takeuchi T, Urano T, Horie-Inoue K, Kumagai J, Kitamura T, Ouchi Y, Muramatsu M, Inoue S: Estrogen receptor-binding fragment-associated antigen 9 is a tumor-promoting and prognostic factor for renal cell carcinoma. *Cancer Res* 65, 3700-3706, 2005.
96. Tabb MM, Sun A, Zhou C, Grün F, Errandi J, Romero K, Pham H, Inoue S, Mallick S, Lin M, Forman BM, Blumberg B: Vitamin K2 regulation of bone homeostasis is mediated

- by the steroid and xenobiotic receptor SXR. *J Biol Chem* 278, 43919-43927, 2003.
97. Urano T, Saito T, Tsukui T, Fujita M, Hosoi T, Muramatsu M, Ouchi Y, Inoue S: Efp targets 14-3-3 σ for proteolysis and promotes breast tumour growth. *Nature* 417, 871-875, 2002.
98. Orimo A, Inoue S, Minowa O, Tominaga N, Tomioka Y, Sato M, Kuno J, Hiroi H, Shimizu Y, Suzuki M, Noda T, Muramatsu M: Underdeveloped uterus and reduced estrogen responsiveness in mice with disruption of the estrogen-responsive finger protein gene, which is a direct target of estrogen receptor alpha. *Proc Natl Acad Sci U S A* 96, 12027-12032, 1999.
99. Inoue S, Orimo A, Hosoi T, Kondo S, Toyoshima H, Kondo T, Ikegami A, Ouchi Y, Orimo H, Muramatsu M: Genomic binding-site cloning reveals an estrogen-responsive gene that encodes a RING finger protein. *Proc Natl Acad Sci U S A* 90, 11117-11121, 1993.
100. Inoue S, Kondo S, Hashimoto M, Kondo T, Muramatsu M: Isolation of estrogen receptor-binding sites in human genomic DNA. *Nucleic Acids Res* 19, 4091-4096, 1991.