

III 研究成果の刊行に関する一覧表

①関澤 純

1. 図書・論文発表

関澤 純： リスク評価の考え方と実際、アプローチ環境ホルモナーその基礎と水環境における最前線、日本水環境学会関西支部編、技報堂出版、(2003)

関澤 純： リスクアセスメント・リスクコミュニケーションの国際動向、*Environmental Mutagen Res.*, 25: 199-202 (2003)

2. 学会発表

Sekizawa J Miyairi S & Ema M: Possible Modification of Dioxin Risk in the Presence of Endogenous Liganda for Arylhydrocabon Receptor (2003.8, Boston)

Sekizawa, J :A comparison between Integrated Risk Assessment and classical Health /Environmental Risk Assessment: emerging beneficial properties, Tenth International Congress of Toxicology. (2003.7 Tampere)

安田峯生, 隅田寛, 松葉美鈴, 杉原数美, 岡村さおり, 山下敬介, 関澤 純: インディルビンによるダイオキシン毒性の修飾、日本内分泌攪乱化学物質学会第6回研究発表会 (2003.12, 仙台)

杉原数美, 北村繁幸, 岡山幸誠, 原田亜紀子, 太田茂, 山下敬介, 岡村さおり, 安田峯生, 佐伯憲一, 松井三郎, 松田知成, 関澤 純: Indirubin の生体内代謝と AhR 結合活性の変動、日本内分泌攪乱化学物質学会第6回研究発表会 (2003.12, 仙台)

②宮入 伸一

1. 論文発表

なし

2. 学会発表

Sekizawa J, Miyairi S, and Ema M: Possible modification of dioxin risk in the presence of endogeneous ligands for arylhydrocarbon receptor (Dioxin 2003, 2003.08. , Boston)

酵母を用いたダイオキシン活性測定法の高感度化：藤野裕介，三浦伸彦，塗師基博，宮入伸一，久下周佐，永沼 章（日本内分泌かく乱化学物質学会第6回研究発表会 2003.12，仙台）

③江馬 眞

1. 論文発表

Ema M, Harazono A, Fujii S, Kawashima K: Evaluation of developmental toxicity of β -thujaplicin (hinokitiol) following oral administration during organogenesis. *Food Chem. Toxicol.* (in press)

Ema M, Harazono A, Hirose A, Kamata E: Protective effects of progesterone on implantation failure induced by dibutyltin dichloride in rats. *Toxicol. Lett.*, 143, 233-238. (2003)

- Koizumi M, Noda A, Ito Y, Furukawa M, Fujii S, Kamata E, Ema M, Hasegawa R: Higher susceptibility of newborn than young rats to 3-methylphenol. *J. Toxicol. Sci.*, 28, 59-70. (2003)
- Harazono A, Ema M: Suppression of decidual cell response induced by dibutyltin in pseudopregnant rats as a cause of early embryonic loss. *Reprod. Toxicol.*, 17, 393-399. (2003).
- Ema M, Miyawaki E, Hirose A, Kamata E: Decreased anogenital distance and increased incidence of undescended testes in fetuses of rats given monobutyl phthalate, a major metabolite of butyl benzyl phthalate. *Reprod. Toxicol.*, 17, 407-412 (2003).
- 広瀬明彦、江馬 眞、鎌田栄一、小泉睦子、長谷川隆一: ビスフェノール A の内分泌かく乱作用のヒトへの影響評価、*日本食品化学会誌*、10, 1-12. (2003)
- Takagi A, Hirose A, Hirabayashi Y, Kaneko T, Ema M, Kannno J: Assessment of the cleft palate induction by seven PCDD/F congeners in the mouse fetus. *Organohalogen Compounds*, 64, 336-341. (2003)
- Sekizawa J, Miyairi S, Ema M: Possible modification of dioxin risk in the presence of endogenous ligands for arylhydrocarbone receptor. *Organohalogen Compounds*, 65, 325-328. (2003)

2. 学会発表

- Ema M, Miyawaki E: Decreased anogenital distance (AGD) and undescended testes in fetuses of rats given monobutyl phthalate (MBEP) during pregnancy. *Society of Toxicology, 42th Annual Meeting.* (2003)
- Koizumi M, Nishida N, Enami T, Sunaga M, Horikawa H, Kamata E, Ema M, Hasegawa R: Comparative toxicity study of 3-aminophenol in newborn and young rats. *Society of Toxicology, 42th Annual Meeting.* (2003)
- Hasegawa R, Koizumi M, Noda A, Ito Y, Furukawa M, Fujii S, Kamata E, Ema M: Higher susceptibility of newborn rats to 3-methylphenol than young. *Society of Toxicology, 42th Annual Meeting.* (2003)
- 江馬 眞: 可塑剤フタル酸エステルのラット次世代の発生に及ぼす影響、第5回生殖・発生毒性東京セミナー(2003)
- 江馬 眞、宮脇英美子、広瀬明彦、鎌田栄一: モノブチルフタレートによるラット雄胎児における肛門生殖突起間距離の短縮及び精巣下降不全、第43回日本先天異常学会(2003)
- 江馬 眞、原園 景、広瀬明彦、鎌田栄一: ジブチルスズによるラットにおける着床阻害に対するプロゲステロンの効果、第30回日本トキシコロジー学会(2003)
- 原園 景、江馬 眞: ラット妊娠初期に投与した塩化トリブチルスズの着床阻害作用、第30回日本トキシコロジー学会(2003)
- Takagi A., Hirose A, Hirabayashi Y, Kaneko T, Ema M, Kannno J: Assessment of the cleft palate induction by seven PCDD/F congeners in the mouse fetus. *23rd International Symposium on Halogenated Environmental Organic Pollutants and POPs (DIOXIN 2003).*
- Sekizawa J, Miyairi S, Ema M: Possible modification of dioxin risk in the presence of endogenous ligands for arylhydrocarbone receptor. *23rd International Symposium on Halogenated Environmental Organic Pollutants and POPs (DIOXIN 2003)*

④松田 和成

1. 論文発表

なし

2. 学会発表

Adachi J, Mori Y, Matsui S, Matsuda T: TCDD and Indirubin-regulated genes in HepG2 cells and human umbilical vein endothelial cells. (Dioxin2003 Boston)

Mori Y, Adachi J, Matsui S, Matsuda T: The effect of combined exposure of 2,3,7,8-TCDD and TNF α on proliferation and differentiation of human myeloblastic leukemia ML-1 cells. (Dioxin2003 Boston)

⑤鈴木 和博

1. 論文発表

Kusui K, Sasaki H, Adachi R, Matsui S, Yamamoto K, Yamaguchi T, Kasahara T. and Suzuki K.: Ribosomal protein S18 identified as a cofilin-binding protein by using phage display library. *Mol. Cell. Biochem.* in revise (2003)

Oshizawa T, Yamaguchi T, Suzuki K, Yamamoto Y, and Hayakawa T: Role of Optimal Phosphorylation of L-plastin in Superoxide-generating Oxidase Activation of Human Neutrophils. *J. Biochem.* in press (2003)

Tajima K, Matsumoto N, Ohmori K, Wada H, Ito M, Suzuki K, and Yamamoto K: Augmentation of NK cell-mediated cytotoxicity to tumor cells by inhibitory NK cell receptor blockers. *Int. Immunol* in press (2003)

Wada H, Matsumoto N, Maenaka K, Suzuki K, and Yamamoto K: The inhibitory NK Cell Receptor CD94/NKG2A and the activating receptor CD94/NKG2C bind the top of HLA-E through mostly shared but partly distinct wets of HLA-E residues. *Eur. J. Immunol.* in press (2003)

Watanabe H, Adachi R, Kusui K, Hirayama A, Kasahara T, and Suzuki K: Bisphenol A significantly enhances the neutrophilic differentiation of promyelocytic HL-60 cells. *Int. Immunopharmacol.* 3, 1601-1608 (2003)

安達玲子、鈴木和博：食細胞の機能発現と LIM キナーゼ-コフィリンによるアクチン細胞骨格制御（総説） *生化学* 75, 1238-1243 (2003)

Watanabe H, Adachi R, Hirayama A, Kasahara T, and Suzuki K: Triphenyltin enhances the neutrophilic differentiation of promyelocytic HL-60 cells. *Biochem. Biophys. Res. Commun.* 306, 26-31 (2003)

2. 学会発表

Watanabe H, Adachi R, Hirayama A, Kasahara T, Suzuki .; Effects of endocrine disruptors on gene expression during differentiation of leukocytes. The 33rd Annual Meeting of Japan Immunology Society Dec. (2003)

Hirayama A, Adachi R, Mizuno K, Kasahara T, Suzuki K: Cofilin/LIM-kinase modulates chemotaxis of phagocytes. The 76th Annual Meeting of the Japanese Biochemical Society Oct. (2003)

安達玲子、武内恒成、鈴木和博：マクロファージの反応性に対するコフィリンアンチセンスの効果 第4回 Pharmaco-Hematology シンポジウム 2003年6月

⑥北村 繁幸

1. 論文発表

Fujimoto N, Honda H, Kitamura S: Effects of environmental estrogenic chemicals on AP1 mediated transcription with estrogen receptors alpha and beta, *J. Steroid Biochem. Mol. Biol.*, In press (2003).

Fujimoto N, Kohta R, Kitamura S. and Honda H: Estrogenic activity of an antioxidant, nordihydroguaiaretic acid (NDGA). *Life Sciences*, in press (2003).

Kitamura S, Ueda O, Sugihara K. and Ohta S: Deacylation of *N*-Formylanilines and *N*-Acetylanilines by Rat Liver Formamidase. *Journal of Health Science*, 49(6), 501-508(2003).

Sanoh S, Kitamura S, Sugihara K, Fujimoto N. and Ohta S: Estrogenic Activity of Stilbene Derivatives. *Journal of Health Science*, 49(5), 359-367 (2003).

Kitamura S, Sanoh S, Kohta R, Suzuki T, Sugihara K, Fujimoto N. and Ohta S: Metabolic activation of proestrogenic diphenyl and related compounds by rat liver microsomes. *Journal of Health Science*, 49(4), 298-310 (2003).

Fujimoto T, Kitamura S, Sanoh S, Sugihara K, Yoshihara S, Fujimoto N. and Ohta S: Estrogenic Activity of an Environmental Pollutant, 2-Nitrofluorene, after Metabolic Activation by Rat Liver Microsomes. *Biochemical and Biophysical Research Communications*, 303, 419-426 (2003).

Ueda O, Kitamura S, Ohashi K, Sugihara K. and Ohta S: Xanthine Oxidase-Catalyzed Metabolism of 2-Nitrofluorene, a Carcinogenic Air Pollutant, in Rat Skin. *Drug Metabolism and Disposition*, 31(4) 367-372 (2003).

Kitamura S, Suzuki T, Ohta S. and Fujimoto N: Antiandrogenic Activity of the Organophosphorus Pesticide Fenthion and Related Compounds, and the Effect of Metabolism. *Environmental Health Perspectives*, 111(4), 503-508 (2003).

Kitamura S, Suzuki T, Kadota T, Yoshida M, Ohashi K and Ohta S: *In Vitro* Metabolism of Fenthion and Fenthion Sulfoxide by Liver Preparations of SeaBream, Goldfish and Rats. *Drug Metabolism and Disposition*, 31(2), 179-186 (2003).

Kitamura S, Ohmegi M, Sanoh S, Sugihara K, Yoshihara S, Fujimoto N. and Ohta S: Estrogenic Activity of Styrene Oligomers after Metabolic Activation by Rat Liver Microsomes. *Environmental Health Perspectives*, 111(3), 329-334 (2003).

2. 学会発表

Sugihara K, Kitamura S, Ohta S, Okamura S, Yamashita K, Yasuda M, Matsui S. and Matsuda T: Metabolism of indirubin and indigo, endogenous aryl hydrocarbon receptor ligand candidates, and competitive effect with respect to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). *Organohalogen Compounds*, 65, 134-137 (DIOXIN2003 August 24-29. Boston, USA)

Sugihara K, Kitamura S, Okayama T, Ohta S, Yamashita K, Yasuda M, Saeki K, Matsui S. and Matsuda T: Aryl Hydrocarbon Receptor-Mediated Induction of Microsomal Drug-Metabolizing Enzyme Activity by Indirubin and Indigo (第76回日本生化学会大会 2003年10月15-18日)

北村 繁幸, 岡山 幸誠, 原田 亜紀子, 杉原 数美, 太田 茂: AhR 内在性リガンド候補インディルビンの *in vivo* での誘導と代謝 (第18回日本薬物動態学会 2003年10月8-10日)

杉原数美¹⁾、北村繁幸¹⁾、岡山幸剛¹⁾、太田 茂¹⁾、山下敬介¹⁾、岡村さおり¹⁾、安田峯生²⁾、佐伯憲一³⁾、松井三郎⁴⁾、松田知成⁴⁾、関澤 純⁶⁾: Indirubinの生体内代謝と AhR 結合活性の変動

1) 広島大・医歯薬、2) 広島国際大・保健医療、3) 筑波大・先端、4) 名古屋市大・5) 京都大院・工 6) 徳島大・総合科学 (第6回環境ホルモロン学会 2003年12月2-3日) 講演要旨集 p228

⑦佐伯 憲一

1.論文発表

Yamada K, Suzuki T, Kohara A, Hayashi M, Mizutani T, and Saeki K: In vivo mutagenicity of benzo[f]quinoline, benzo[h]quinoline, and 1,7-phenanthroline using the *lacZ* transgenic mice. *Mutat. Res.*, in press.

Yamada K, Suzuki T, Hakura A, Mizutani T, and Saeki K: Metabolic activation of 10-aza-substituted benzo[a]pyrene by cytochrome P450 1A2 in human liver microsomes. *Mutat. Res.*, in press.

Saeki K, Matsuda T, Kato T, Yamada K, Mizutani T, Matsui S, Fukuhara K, and Miyata N: Activation of the human Ah receptor by aza-polycyclic aromatic hydrocarbons and their halogenated derivatives. *Biol. Pharm. Bull.* (2003) 26, 448-452.

2.学会発表

山田勉也、鈴木孝昌、羽倉昌志、佐伯憲一：10位窒素置換ベンズピレンのヒト肝 *microsome* を用いた Ames 試験での変異原性評価，日本癌学会第62回総会，2003年9月25-27日（名古屋）。

山田勉也、羽倉昌志、加藤隆明、水谷隆治、佐伯憲一：窒素置換クライセン誘導体の変異原性発現に関わるヒト CYP 分子種の同定，平成15年度日本薬学会東海支部例会，2003年12月6日（岐阜）。

山田勉也、羽倉昌志、鈴木孝昌、加藤隆明、竹本育世、水谷隆治、佐伯憲一：一連の含窒素芳香族化合物の代謝活性化に関わるヒト CYP 分子種の同定，日本薬学会124年会，2004年3月29-31日（大阪）。

神谷信輝、松田知成、水谷隆治、佐伯憲一：ヒト肝マイクロソームを用いたインディルビンの CYP 及び UGT 代謝反応における個体差，日本薬学会124年会，2004年3月29-31日（大阪）。

⑧菅野 純

1. 論文発表

Kanno J, Onyon L, Peddada S, Ashby J, Jacob E, Owens W: The OECD program to validate the rat uterotrophic bioassay. Phase 2: coded single-dose studies. *Environ Health Perspect.* Sep;111(12):1550-8. (2003)

Kanno J, Onyon L, Peddada S, Ashby J, Jacob E, Owens W: The OECD program to validate the rat uterotrophic bioassay. Phase 2: dose-response studies. *Environ Health Perspect.* Sep;111(12):1530-49. (2003)

Yoon BL, Li GX, Kitada K, Kawasaki Y, Igarashi K, Kodama Y, Inoue T, Kobayashi K, Kanno J, Kim DY, Inoue T, Hirabayashi Y: Mechanisms of benzene-induced hematotoxicity and leukemogenicity: cDNA microarray analyses using mouse bone marrow tissue. *Environ Health Perspect.* Aug;111(11):1411-20(2003)

Matsunaga N, Kanno J, Yoshimura I: A statistical method for judging synergism: Application to an endocrine disruptor animal experiment- Synergism in endocrine disruptor studies, *Environmetrics* Volume 14, Issue 2, : 213-222(2003)

Kanno J: Reverse toxicology as a future predictive toxicology, T. Inoue, W.D. Pennie Eds, *Toxicogenomics*, pp.213-218, Springer-Verlag Tokyo, (2002)

Yoon BI, Hirabayashi Y, Kawasaki Y, Kodama Y, Kaneko T, Kanno J, Kim DY, Fujii-Kuriyama Y, Inoue T. Aryl hydrocarbon receptor mediates benzene-induced hematotoxicity. *Toxicol Sci.* Nov;70(1):150-6.(2002)

Utsuyama M, Kanno J, Inoue T, Hirokawa K. Age/sex dependent and non-monotonous dose-response effect of diethylstilbestrol on the immune functions in mice. *Toxicol Lett.* Sep 5;135(1-2):145-53. (2002)

2. 学会発表
なし

⑨加藤 茂明

1. 論文発表

Ohtake, F., Takeyama, K., Matsumoto, T., Kitagawa, H., Yamamoto, Y., Nohara, K., Tohyama, C., Krust, A., Mimura, J., Chambon, P., Yanagisawa, J., Fujii-Kuriyama, Y., Kato, S.: Modulation of estrogen receptor signaling by an association with the activated dioxin receptor. *Nature*, **423**, 545-550, (2003)

Kitagawa, H., Fujiki, R., Yoshimura, K., Mezaki, Y., Uematsu, Y., Matsui, D., Ogawa, S., Unno, K., Okubo, M., Tokita, A., Nakagawa, T., Ito, T., Ishimi, Y., Nagasawa, H., Matsumoto, T., Yanagisawa, J., Kato, S.: Promoter targeting of a nuclear receptor with an ATP-dependent chromatin remodeling complex related to Williams syndrome. *Cell*, **113**, 905-917, (2003)

Suzawa, M., Takada, I., Yanagisawa, J., Ohtake, F., Ogawa, S., Yamauchi, T., Kadowaki, T., Takeuchi, Y., Shibuya, H., Gotoh, Y., Matsumoto, K., Kato, S.: Inhibition of adipogenesis by cytokines with suppression PPAR α function through the TAK1/TAB1-NIK mediated cascade. *Nature Cell Biol.*, **5**, 224-230, (2003)

Ishitani, K., Yoshida, T., Kitagawa, H., Ohta H., Nozawa, S., Kato, S.: p54^{nrb} acts as a transcriptional coactivator for activation function 1 of the human androgen receptor. *Biochem. Biophys. Res. Commun.*, **306**, 660-665, (2003)

Kawano, H., Sato, T., Yamada, T., Matsumoto, T., Sekine, K., Watanabe, T., Nakamura, T., Fukuda, T., Yoshimura, K., Yoshizawa, T., Aihara, K., Yamamoto, Y., Nakamichi, Y., Metzger, D., Chambon, P., Nakamura, K., Kawaguchi, H., Kato, S.: Suppressive function of androgen receptor in bone resorption. *Proc. Natl. Acad. Sci. USA*, **100**, 9416-9421, (2003)

Nakamichi, Y., Shukunami, C., Yamada, T., Aihara, K., Kawano, H., Sato, T., Nishizaki, Y., Yamamoto, Y., Shindo, M., Yoshimura, K., Kawaguchi, H., Hiraki, Y., Kato, S.: Chondromodulin-I (ChM-I) is a bone remodeling factor. *Mol. Cell. Biol.*, **23**, 636-644, (2003)

Sato, T., Matsumoto, T., Yamada, T., Watanabe, T., Kawano, H., Kato, S.: Late onset of obesity in male androgen receptor-deficient (ARKO) mice. *Biochem. Biophys. Res. Commun.*, **300**, 167-171, (2003)

Taketani, Y., Nomoto, M., Yamamoto, H., Isshiki M., Morita, K., Arai, H., Miyamoto, K., Kato, S., Takeda E.: Increase in IP3 and intracellular Ca²⁺ induced by phosphate depletion in LLC-PK1 cells. *Biochem. Biophys. Res. Commun.*, **305**, 287-291, (2003)

- Fujishima, T., Kittaka, A., Yamaoka, K., Takeyama, K., Kato, S., Takayama, H.: Synthesis of 2, 2-dimethyl-1, 25-dihydroxyvitamin D₃: A-ring structural motif that modulates interactions of vitamin D receptor with transcriptional coactivators. *Org. Biomol. Chem.*, 1, 1863-1869, (2003)
- Masuyama, R., Nakaya, Y., Katsumata, S., Kajita, Y., Uehara, M., Tanaka, S., Sakai, A., Kato, S., Nakamura, T., Suzuki, K.: Dietary calcium and phosphorus ratio regulates bone mineralization and turnover in vitamin D receptor knockout mice by affecting intestinal calcium and phosphorus absorption. *J. Bone Miner. Res.*, 18, 1217-1226, (2003)
- Sato, T., Matsumoto, T., Kawano, H., Watanabe, T., Uematsu, Y., Sekine, K., Fukuda, T., Aihara, K., Krust, A., Yamada, T., Nakamichi, Y., Yamamoto, Y., Nakamura, T., Yoshimura, K., Yoshizawa, T., Metzger, D., Chambon, P., Kato, S.: Brain masculinization requires androgen receptor function. *Proc. Natl. Acad. Sci. USA*, 10:101(6):1673-8
- Endo, I., Inoue, D., Mitsui, T., Umaki, Y., Akaike, M., Yoshizawa, T., Kato, S., Matsumoto, T.: Deletion of vitamin D receptor gene in mice results in abnormal skeletal muscle development with deregulated expression of myoregulatory transcription factors. *Endocrinology*, 144(12):5138-44(2003)
- WuQiang, F., Yanase, T., Yin, W., Kawate, H., Saitoh, M., Oba, K., Nomura, M., Okabe, T., Goto, K., Yanagisawa, J., Kato, S., Takayanagi, R., Nawata, H.: Protein kinase A potentiates Ad4BP/SF-1 transactivation by re-integrating the subcellular dynamic interactions of the nuclear receptor with its cofactors, GCN5/TRRAP, and suppressor, DAX-1: a laser confocal imaging study in living KGN cells. *Mol. Endocrinol.*, 2003 (in press).

2. 学会発表

なし

⑩有菌 幸司

1. 論文発表

- N. Tominaga, S. Kohra, T. Iguchi, K. Arizono: A multi-generation sublethal assay of phenols using the nematode *Caenorhabditis elegans*, *Journal of Health Science*, Vol.49, No.6, 459-463 (2003)
- Y. Takao, K. Yamashita, S. Kohra, M. Inudo, M. Nagae, N. Tominaga, Y. Ishibashi, J. Sekizawa, S. Miyairi, and K. Arizono: High sensitivity analysis of indirubin by silylation using GC/MS, *Journal of Health Science*, Vol.49, No.1, 88-90(2003)
- H. Shimada, N. Tominaga, S. Kohra, H. Ishibashi, Y. Mitsui and K. Arizono: Metallothionein Gene Expression in the Larvae of *Caenorhabditis elegans* is an Potential Biomarker for Cadmium and Mercury, *Trace Elements and Electrolytes*, Vol.20, No.4, 240-243(2003)
- N. Tominaga, M. kunimoto, T. Kai, K. Arizono, and S. Kohra: A convenient assay for evaluating chemical toxicity using *Caenorhabditis elegans* as a model organism – Application to alkylphenol toxicity test, *Environmental Sciences*, Vol.10, No.4, 215-221 (2003)
- N. Tominaga, K. Ura, M. Kawakami, T. Kawaguchi, S. Kohra, Y. Mitsui, T. Iguchi, and K. Arizono:

Caenorhabditis elegans Responses to Specific Steroid Hormones, *Journal of Health Science*, Vol.49, No.1, 28-33(2003)

2. 学会発表

K. Arizono, Y. Koga, T. Nakamoto, S. Sakata, H. Ishibashi, H. Kimura, K. Ura and T. Iguchi: Effect of environmental chemicals on post-embryonic development in *C.elegans*, SETAC Europe 13th Annual Meeting (2003, 4, Hamburg, Germany)

N. Tominaga, T. Matsuno, Y. Kohara, T. Iguchi, and K. Arizono: Sensing of Steroid hormones by cDNA microarray using *Caenorhabditis elegans* as a model organism, Toxicogenomics International Forum 2003 (2003, 10, Tokyo)

Y. Koga, K. Ura, T. Iguchi, and K. Arizono: Application of DNA microarray analysis using CYP Chip in *C. elegans*, Toxicogenomics International Forum 2003 (2003, 10, Tokyo)

富永伸明, 松野哲也, 小原雄治, 井口泰泉, 有菌幸司, ステロイドホルモンによる代謝系遺伝子の発現変動, 環境ホルモン学会第6回研究発表会 (2003, 12, 仙台)

古賀由香里, 浦和寛, 木村宏和, 富永伸明, 上杉裕子, 小原雄治, 井口泰泉, 有菌幸司, DNA マイクロアレイを用いた線虫 (*C. elegans*) の環境化学物質曝露による遺伝子発現変動の解析, 環境ホルモン学会第6回研究発表会 (2003, 12, 仙台)

⑪安田 峯生

1. 論文発表

Takahashi T, Yamashita H, Nagano Y, Nakamura T, Ohmori H, Avraham H, Avraham S, Yasuda M, Matsumoto M: Identification and characterization of a novel Pyk2/related adhesion focal tyrosine kinase-associated protein that inhibits alpha-synuclein phosphorylation. *J Biol Chem*, 278 (43), 42225-33,(2003)

安田峯生: マウス胎児における外脳誘発による口蓋裂の予防. 河合幹, 夏目長門編, 口唇口蓋裂における基礎研究と予防の現状, 丸善, 東京, pp 229-234, (2003)

2. 学会発表

安田峯生, 隅田寛, 松葉美鈴, 杉原数美, 岡村さおり, 山下敬介, 関澤潤: インディルビによるダイオキシン毒性の修飾. 環境ホルモン学会第6回研究発表会要旨集, 323 (抄録), (環境ホルモン学会第6回研究発表会, 2003年12月2-3日, 仙台)

杉原数美, 北村繁幸, 岡山幸誠, 原田亜紀子, 太田茂, 山下敬介, 岡村さおり, 安田峯生, 佐伯憲一, 松井三郎, 松田知成, 関澤潤: Indirubinの生体内代謝とAhR結合活性の変動. 環境ホルモン学会第6回研究発表会要旨集, 228 (抄録), (環境ホルモン学会第6回研究発表会, 2003年12月2-3日, 仙台)

隅田寛, 上塚翼, 安田峯生, 山下敬介, 角崎英志, 井上稔: 2, 3, 7, 8-四塩化ジベンゾパラジオキシン (TCDD) の胎児・授乳期暴露を受けたアカゲザル肝細胞の形態解析. 環境ホルモン学会第6回研究発表会要旨集, 325 (抄録), (環境ホルモン学会第6回研究発表会, 2003年12月2-3日, 仙台)

安田峯生, 松葉美鈴, 隅田寛: C57BL マウスの口蓋ヒダ. 日本解剖学会第58回中国・四国地方会要旨集, 17 (抄録), (日本解剖学会第58回中国・四国地方会, 2003年11月8-9日, 松山)

Yasuda I, Yasuda M, Sumida H, Tsusaki H, Inouye M, Tsuga K, Akagawa Y: Effect of in utero and lactational

exposure to 2,3,7,8-tetrachloro- dibenzo-p-dioxin on tooth development in rhesus monkeys. *Organohalogen Compounds*, 64, 431-434 (Short paper), 2003. (23rd International Symposium on Halogenated Environmental Organic Pollutants and POPs, August 24-29, 2003, Boston, USA)

Sumida H, Tsusaki H, Inouye M, Yasuda M: Renal fibrosis induced by in utero and lactational exposure to 2,3,7,8-tetrachlorodibenzo-p- dioxin in rhesus monkeys. *Organohalogen Compounds*, 64, 453-456 (Short paper), 2003. (23rd International Symposium on Halogenated Environmental Organic Pollutants and POPs, August 24-29, 2003, Boston, USA)

Sugihara K, Kitamura S, Okayama T, Kohno Y, Ohta S, Yamashita K, Okamura S, Yasuda M, Saeki K, Matsui S, Matsuda T: Metabolism of indirubin and endogenous aryl hydrocarbon receptor ligand candidates, and competitive effect with respect to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Organohalogen Compounds*, 65, 134-137 (Short paper), 2003. (23rd International Symposium on Halogenated Environmental Organic Pollutants and POPs, August 24-29, 2003, Boston, USA)

安田以久, 安田峯生, 隅田寛, 角崎英志, 井上稔, 津賀一弘, 赤川安正: ダイオキシン胎生期暴露のアカゲザル歯形成への影響. 第43回日本先天異常学会学術集会要旨集, 118 (抄録), (第43回日本先天異常学会学術集会, 2003年7月2-4日, 大阪)

安田峯生, 安田以久, 隅田寛, 角崎英志, 井上稔, 津賀一弘, 赤川安正: ダイオキシン胎生期暴露のアカゲザル口蓋ヒダ形成への影響. 第43回日本先天異常学会学術集会要旨集, 119 (抄録), (第43回日本先天異常学会学術集会, 2003年7月2-4日, 大阪)

安田峯生, 安田以久, 隅田寛, 角崎英志, 井上稔, 山下敬介: アカゲザルの口蓋ヒダ. *Acta Anat Nippon*, 78, Suppl, 220 (抄録), (第108回日本先解剖学会総会・学術集会, 2003年4月1-3日, 福岡)