

【2000】

- Bridges J. P., Davis H. W., Damodarasamy M., Kuroki Y., Howles G., Hui D. & McCormack F. X.. Pulmonary surfactant proteins A and D are potent endogenous inhibitors of lipid peroxidation and oxidative cellular injury. *J. Biol. Chem.* **275**: 38848-38855.
- Sano H., Chiba H., Iwaki D., Sohma H., Voelker D. R. & Kuroki Y. Surfactant proteins A and D bind CD14 by different mechanisms. *J. Biol. Chem.* **275**: 22442-22451.
- Maeda A., Ohguro H., Maeda T., Wada I., Sato N., Kuroki Y. & Nakagawa T. Aberrant expression of photoreceptor-specific calcium-binding protein (recoverin) in cancer cell lines. *Cancer Res.* **60**: 1914-1920.
- Takahashi H., Fujishima T., Koba H., Murakami S., Kurokawa K., Shibuya Y., Shiratori M., Kuroki Y. & Abe S. Serum surfactant proteins A and D as prognostic factors in idiopathic pulmonary fibrosis and their relationship to disease extent. *Am. J. Respir. Crit. Care Med.* **162**: 1109-1114.
- Maeda T., Ohguro H., Sohma H., Kuroki Y., Wada H., Okisaka S. & Murakami A. Purification and characterization of bovine cone arrestin (cArr). *FEBS Lett.* **470**: 336-340.
- Takahashi H., Kuroki Y., Tanaka H., Saitoh T., Kurokawa K., Chiba H., Sagawa A., Nagae H. & Abe S. Serum levels of surfactant proteins A and D are useful biomarkers for interstitial lung disease in patients with progressive systemic sclerosis. *Am. J. Respir. Crit. Care Med.* **162**: 258-263.
- Saitoh M., Sano H., Chiba H., Murakami S., Iwaki D., Sohma H., Voelker D. R., Akino T. & Kuroki Y. Importance of the carboxy terminal 25 amino acid residues of lung collectins in interactions with lipids and alveolar type II cells. *Biochemistry* **39**: 1059-1066.
- Ueda T., Cheng G., Kuroki Y., Sano H., Sugiyama K., Motojima S. & Fukuda T. Effects of aging on surfactant forms in rats. *Eur. Respir. J.* **15**: 80-84.
- Cheng G., Ueda T., Numao T., Kuroki Y., Nakajima H., Fukushima Y., Motojima S. & Fukuda T. Increased levels of surfactant protein A and D in bronchoalveolar fluids in patients with bronchial asthma. *Eur. Respir. J.* **16**: 831-835.

【1999】

- Chiba H., Sano H., Saitoh M., Sohma H., Voelker D. R., Akino T. & Kuroki Y. Introduction of mannose binding protein-type phosphatidylinositol recognition into pulmonary surfactant protein A. *Biochemistry* **38**: 7321-7331.
- Sano H., Sohma H., Muta T., Nomura S., Voelker D. R. & Kuroki Y. Pulmonary surfactant protein A modulates the cellular response to smooth and rough lipopolysaccharides by interaction with CD14. *J. Immunol.* **163**: 387-395.
- Kuroki Y. & Sano H. Functional roles and structural analysis of lung collectins SP-A and SP-D. *Biology of the Neonate* **76**(suppl 1): 19-21.

【1998】

- Mason R. J., Nielsen L. D., Kuroki Y., Matsuura E., Freed J. H. & Shannon J. M.. A 50- kDa variant form of human surfactant protein D. *Eur. Respir. J.* **12**: 1147-1155.
- Tsunezawa W., Sano H., Sohma H., McCormack F. X., Voelker D. R. & Kuroki Y. Site-directed mutagenesis of surfactant protein A reveals dissociation of lipid aggregation and lipid uptake by alveolar type II cells. *Biochim. Biophys. Acta.* **1387**: 433-446.
- Kuroki Y., Takahashi H., Chiba H. & Akino T. Surfactant proteins A and D: disease markers. *Biochim. Biophys. Acta.* **1408**: 334-345.
- Pattanajitvilai S., Kuroki Y., Tsunezawa W., McCormack F. X. & Voelker D. R. Mutational analysis of Arg¹⁹⁷ of Rat surfactant protein A. His¹⁹⁷ creates specific lipid uptake defects. *J. Biol. Chem.* **273**: 5702-5707.
- Sano H., Kuroki Y., Honma T., Ogasawara Y., Sohma H., Voelker D. R. & Akino T. Analysis of chimeric proteins identifies the regions in the carbohydrate recognition domain of lung collectins that are essential for interactions with phospholipids, glycolipids and alveolar type II cells. *J. Biol. Chem.* **273**: 4783-4789.

【1997】

- Nagae H., Takahashi H., Kuroki Y., Honda Y., Nagata A., Ogasawara Y., Abe S. & Akino T. Enzyme-linked immunosorbent assay using F(ab')₂ fragment for the detection of human pulmonary surfactant protein D in sera. *Clinica Chimica Acta* **266**: 157-171.
- Kuroki Y. & Ogasawara Y. Structure-function analysis of surfactant protein A by site-directed mutagenesis. *J. Jpn. Med. Soc. Biol. Interface* **26**: 15-23.
- Kashiwagi M., Mikami T., Chiba M., Chiba S., Matsumoto H., Akino T. & Gasa S. Occurrence of nonenzymatic N-acetylation of sphinganine with acetyl coenzyme A producing C₂-H₂-ceramide and its inconvertibility to apoptotic C₂-ceramide. *Biochem. Mol. Biol. Int.* **42**: 1071-1080.
- Kuroki Y., Honma T., Chiba H., Saitoh M., Ogasawara Y., Sohma H. & Akino T. A novel type of binding specificity to phospholipids for rat mannose-binding proteins isolated from serum and liver. *FEBS Lett.* **414**: 387-392.
- Honma T., Kuroki Y., Tsunezawa W., Ogasawara Y., Sohma H., Voelker D. R. & Akino T. The mannose-binding protein A region of Glutamic Acid¹⁸⁵-Alanine²²¹ can functionally replace the surfactant protein A region of Glutamic Acid¹⁹⁵-Phenylalanine²²⁸ without loss of interaction with lipids and Alveolar type II cells. *Biochemistry* **36**: 7176-7184.
- Hattori A., Kuroki Y., Takahashi H., Sohma H. & Akino T. Immunoglobulin G is associated with surfactant protein A aggregate isolated from patients with pulmonary alveolar proteinosis. *Am. J. Respir. Crit. Care Med.* **155**: 1785-1788.
- Ohguro H., Konno S., Konari K., Kitamura K., Sohma H., Nakagawa T. & Akino T. Clinical factors and protein carboxyl methyltransferase activity in human cataractous lens. *Sapporo Med. J.* **65**: 349-354.
- Takahashi H., Kuroki Y., Honda Y., Shijubo N., Hirasawa M., Fujishima T., Akino T. & Abe S. Lipid analysis and surfactant-associated protein expression in lung adenocarcinoma. *Cells from Pleural Effusion Respiration* **63**: 390-396.
- Sahara H., Ishikawa M., Takahashi N., Ohtani S., Sato N., Gasa S., Akino T. & Kikuchi K. In vivo anti-tumour effect of 3'-sulphoquinovosyl 1'-monoacylglyceride isolated from sea urchin (*Strongylocentrotus intermedius*) intestine. *British J. Cancer* **75**: 324-332.

【1996】

- Tsuchihasi K., Daino T., Akino T. & Gasa S. Synthesis of a glioma-related ganglioside, O-Ac GM3 having 3-O-Ac ceramide and its Substrate property toward hydrolases. *J. Lipid Res.* **37**: 2136-2144.
- Hattori A., Kuroki Y., Katoh T., Takahashi H., Shen H. Q., Suzuki Y. & Akino T. Surfactant protein A accumulating in the alveoli of patients with pulmonary alveolar proteinosis: oligomeric structure and interaction with lipids. *Am. J. Respir. Cell Mol. Biol.* **14**: 608-619.
- Hattori A., Kuroki Y., Sohma H., Ogasawara Y. & Akino T. Human surfactant protein A with two different oligomeric structures which exhibit different capacities to interact with alveolar type II cells. *Biochem. J.* **317**: 939-944.
- Kuroki Y., Shiratori M., Ogasawara Y., Hattori A., Tsunezawa W., Honma T. & Akino T. Interaction of phospholipid liposomes with plasma membrane isolated from alveolar type II cells: effect of pulmonary surfactant protein A. *Biochim. Biophys. Acta.* **1281**: 53-59.
- Honda Y., Takahashi H., Kuroki Y., Akino T. & Abe S. Decreased contents of surfactant proteins A and D in BAL fluids of healthy smokers. *Chest* **109**: 1006-1009.
- Ohguro H., Kitamura K., Konari K., Sohma H., Fukada Y. & Akino T. The differences in the expressions of visual pigments and transducin in photoreceptor cell differentiation. *Tohoku J. Exp. Med.* **178**: 233-240.
- Sugahara K., Iyama K., Sano K., Kuroki Y., Akino T. & Matsumoto M. Overexpression of surfactant protein SP-A, SP-B, and SP-C mRNA in rat lungs with lipopolysaccharide-induced injury. *Lab. Invest.* **74**: 209-220.