

CURRICULUM VITAE



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EDUCATION: 1975: Graduated from Tohoku University, Faculty of Agriculture (Agricultural Chemistry), Sendai, Japan (BS)
1979: Graduated from Master course of Graduate School of Agricultural Science, Tohoku University. (MS)
1979: Graduated from Doctor course of Graduate School of Agricultural Science, Tohoku University. (Ph.D)

DOCTORAL DEGREE: Doctor of Agriculture (Ph.D)
“ Study on the chemical structure of the sugar chains in bovine kappa-casein”
Graduate School of Agricultural Science of Tohoku University, 1982 March. (Dr. number 286 of Tohoku University)

RESEARCH AND PROFESSIONAL EXPERIENCE:

1975: Kyodo Milk Company Co. Ltd. (Tokyo)
1978: Research assistant of Tohoku Fukushi University
1981: Lecturer of Fukushima Women’s College (part-time)
1981: Assistant Professor of Tohoku Fukushi University
1988-1989: Postdoctoral fellow of Brandeis University (Biochemistry, MA, Boston, USA)
1989(April) Instructor of Tohoku Fukushi University (full-time)
1989(September) Associate Professor of Tohoku University
2001- : Professor of Tohoku University, Graduate School of Agricultural Science

AWARD:

1. Association Award for academic achievement in Dairy Science from The Japanese Dairy Science Association (1998)
“Study on Sugars and Sugar Chains of Glycoproteins in Bovine Milk ”
2. Association Award for academic achievement in Dairy Science from The Japanese Animal Science Association (2002)
“Study on the Effective Utilization of Probiotic Lactic Acid Bacteria”

MEMBERSHIP OF ACADEMIC SOCIETIES:

Japanese Dairy Science Association
(representative manager, secretary of editorial committee)

Japanese Society for Lactic Acid Bacteria (JSLAB) (director)

Japanese Animal Science Association (officer)

Japanese Society for Bioscience, Biotechnology, and Agrochemistry (officer)

The Society for Tohoku Animal Science and Technology (officer)

American Dairy Science Association (ADSA, USA)

Japanese Society for Biochemistry

Japanese Society for Veterinary Science

The Society for Bioscience and Bioengineering

Japanese Society for Carbohydrate Chemistry

The Asian-Australasian Association of Animal Production Societies (AAAP)
(Editorial Board Member)

Japan Dairy Technical Association (Councilor, Editorial Board Member)

Recent published papers

(extracted academic list of recent only eight years from 1999 to 2006)
by Tadao Saito (Prof. of Tohoku University, Japan)

N. Takahashi, H. Kitazawa, H. Iwabuchi, J.-Z. Xiao, K. Miyaji, K. Iwatsuki and **T. Saito**, Oral administration of an immunostimulatory DNA sequence from *Bifidobacterium longum* improves Th1/Th2 balance in a murine model., *Biosci. Biotechnol. Biochem.*, **70**, 2013-2017 (2006).

S. Makino, S. Ikegami, H. Kano, T. Sashihara, H. Sugano, H. Horiuchi, **T. Saito** and M. Oda, Immunomodulatory effects of polysaccharides produced by *Lactobacillus delbrueckii* ssp. *bulgaricus* OLL1073R-1., *J. Dairy Sci.*, **89**, 2873-2881 (2006).

N. Takahashi, H. Kitazawa, N. Iwabuchi, J.-Z. Xiao, K. Miyaji, K. Iwatsuki and **T. Saito**, Immunostimulatory oligodeoxynucleotide from *Bifidobacterium longum* suppresses Th2 immune responses in a murine model., *Clinical and Experimental Immunology*, **145**, 130-138 (2006).

Y. Endo, S. Kamisada, K. Fujimoto and **T. Saito**, *Trans* fatty acids promote the growth of some *Lactobacillus* strains, *J. Gen. Appl. Microbiol.*, **52**, 29-35 (2006).

- N. Takahashi, H. Kitazawa, T. Shimosato, N. Iwabuchi, J-Z. Xiao, K. Iwatsuki, S. Kokubo and **T. Saito**, An immunostimulatory DNA sequence from a probiotics strain of *Bifidobacterium longum* inhibits IgE production *in vitro*, *FEMS Immunol. Med. Microbiol.*, **46**, 461-469 (2006).
- T. Shimosato, T. Kimura, M. Tohono, I.D. Iliev, S. Katoh, Y. Ito, Y. Kawai, T. Sasaki, **T. Saito** and H. Kitazawa, Strong immunostimulatory activity of AT-oligodeoxynucleotide requires a six-base loop with a self-stabilized 5'-C...B-3' stem structure, *Cellular Microbiology*, **8**, 485-495 (2006).
- T. Urashima, T. Nakamura, A. Ikeda, S. Asakuma, I. Arai, **T. Saito** and O. Oftedal, Characterization of oligosaccharides in milk of a mink, *Mustela vison*, *Comp. Biochem. Physiol. Part A*, **142**, 461-471 (2005).
- H. Kitazawa, T. Shimosato, M. Tohono and **T. Saito**, Immunoostimulatory activities of lactic acid bacteria via Toll-like receptors, *Jap. J. Lactic Acid Bacteria*, **16**, 11-20 (2005).
- M. Tohno, H. Kitazawa, T. Shimosato, M. Matsumoto, S. Katoh, Y. Kawai and **T. Saito**, A swine toll-like receptor 2-expressing transfectant as a potential primary screening system for immnobioc microorganisms, *FEMS Immunol. Med. Microbiol.*, **44**, 283-288 (2005).
- M. Tohno, T. Shimosato, H. Kitazawa, S. Katoh, I.D. Iliev, T. Kimura, Y. Kawai, K. Watanabe, H. Aso, T. Yamaguchi and **T. Saito**, Toll-like receptor 2 is expressed on the intestinal M cells in swaine, *Biochem. Biophys. Res., Commun.*, **330**, 547-554 (2005).
- T. Shimosato, M. Tohno, H. Kitazawa, S. Katoh, K. Watanabe, Y. Kawai, H. Aso, T. Yamaguchi and **T. Saito**, Toll-like receptor 9 is expressed on follicle-associated epithelia containing M cells in swine Peyer's patches, *Immunol. Lett.*, **98**, 83-89 (2005).
- T. Urashima and **T. Saito**, Why is lactose a dominant saccharide in milk?, *J. Appl. Glycosci.*, **52**, 65-70 (2005).
- I. D. Ilieve, H. Kitazawa, T. Shimosato, S. Katoh, H. Morita, F. He, M. Hosoda, **T. Saito**, Strong immunostimulation in murine immune cells by *Lactobacillus rhamnosus* GG DNA containing novel oligodeoxynucleotide pattern., *Cellular Microbiol.*, **7**, 403-414 (2005)
- T. Shimosato, H. Kitazawa, S. Katoh, M. Tohno, I.D. Iliev, C. Nagasara, T. Kimura, Y. Kawai and **T. Saito**, Augmentation of TH-1 type response by immunoactive AT oligonucleotide from lactic acid bacteria via Toll-like reeceptor 9 signaling., *Biochem. Biophys. Res. Comm.*, **326**, 782-787 (2005)
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- T. Saito**, H. Kitazawa, Y. Kawai, Study on probiotic lactic acid bacteria and their applications to new functional foods. *Tohoku J. Agric. Res.*, **55**, 57-65 (2004).
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