

CURRICULUM VITAE

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Education:

B. S., Pharmacology, Niigata University of Pharmacy and Applied Life Sciences, 1981

M.S., Pharmacology, Kanazawa University, 1984

Degree:

Ph.D., Pharmacology, University of Tokyo, 1992

Career Statement:

Professor, University of Shizuoka, 2006-present

- School of Food and Nutritional Sciences, 2008-present
- Graduate School of Integrated Pharmaceutical and Nutritional Sciences, Graduate Division of Nutritional and Environmental Sciences, Department of Food and Nutritional Sciences, 2012-present
- Graduate School of Nutrition and Environmental Sciences, 2006-2012
- Institute for Environmental Sciences, 2006-2008
Associate Professor, University of Shizuoka, 2002-2006
- Graduate School of Nutrition and Environmental Sciences, 2002-2006
- Institute for Environmental Sciences, 2002-2006
Research Scientist (Adjunct Assistant Professor), the Ohio State University, 1997-2002
- Department of Veterinary Biosciences
Research Associate, Niigata University of Pharmacy and Applied Life Sciences, 1984-1996
- College of Pharmaceutical Sciences

Major Research Interest:

- Applied Microbiology, especially functional analysis of bifidobacteria & lactic acid bacteria

- Microbiological Food Sciences, especially effect of functional foods through intestinal microbiota on human health.
- Medical Microbiology, especially epidemiology and intracellular parasitism of pathogenic bacteria that cause food-borne or tick-borne infectious disease.

Publication List:

(2012-present; Publication order based on recently accepted date)

1. Su H, Kubo K, Sakabe S, Mizuno S, Komiya N, Akachi S, Fujita H, Sato K, Kawabata H, Nagaoka H, Ando S, Ohashi N. Serologic evidence of human exposure to ehrlichiosis agents in Japan. *Emerg Infect Dis.* **28**, 2355-2357 (2022)
2. 川上万里, 池田房雄, 藤岡真一, 藤田博己, 木田浩司, 大橋典男. 胆道感染症の併発が疑われたアナプラズマ症の1例. *感染症学雑誌.* **96**, 29-33 (2022)
3. Gaowa, Wulantuya, Sato K, Liu D, Cui Y, Yin X, Zhang L, Li H, Wang T, Liu R, Wu L, Lu S, Gao T, Zhang Z, Cao M, Wang G, Li C, Yan D, Ohashi N, Ando S, Kawabata H. Surveillance of *Borrelia miyamotoi*-carrying ticks and genomic analysis of isolates in Inner Mongolia, China. *Parasit Vectors.* **14**, 368 (2021)
4. Tai H, Su H, Takamoto N, Fujita H, Takano A, Oishi S, Abe F, Ando S, Ohashi N. Growth characteristics of *Rickettsia* species LON strains closely related to *Rickettsia japonica* isolated from *Haemaphysalis longicornis* ticks in mouse-derived L929 and human-derived THP-1 host cell lines. *Jpn J Infect Dis. Jpn J Infect Dis.* **74**, 102-109 (2021)
5. Su H, Onoda E, Tai H, Fujita H, Sakabe S, Azuma K, Akachi S, Oishi S, Abe F, Ando S, Ohashi N. Diversity unearthed by estimated molecular phylogeny and ecologically quantitative characteristics of uncultured *Ehrlichia* bacteria in *Haemaphysalis* ticks, Japan. *Sci Rep.* **11**, 687 (2021)
6. Matsuzaki K, Iwai K, Yoshikawa Y, Shimamura Y, Miyoshi N, Hiramoto S, Asada K, Fukutomi R, Su H, Ohashi N. Wheat bran intake enhances the secretion of bacteria-binding IgA in a lumen of the intestinal tract by incrementing short chain fatty acid production through modulation of gut microbiota. *Nat Prod Commun.* **15**, 1-11 (2020)
7. Su H, Ito K, Kawarasaki Y, Morita H, Nose H, Iketa K, Nakadouzono F, Gokuden M, Kamiyama, S., Tokaji, A., Rikitake, Y., Kawaguchi, T., Umekita, K., Oishi, S., Abe, F., Kanda T, Kawabata H, Ando S, Ohashi N. Insight of diagnostic performance using B-cell epitope antigens derived from triple P44-related proteins of *Anaplasma phagocytophilum*. *Diagn Microbiol Infect Dis,* **95**, 125-130 (2019)
8. Su H, Sato A, Onoda E, Fujita H, Sakabe, S, Akachi S, Oishi S, Abe F, Kanda T, Shimamura Y, Masuda S, Ohashi N. Molecular detection and characterization of *p44/msp2* multigene family of *Anaplasma phagocytophilum* from *Haemaphysalis longicornis* in Mie Prefecture, Japan. *Jpn J Infect Dis.* **72**, 199-202 (2019)
9. Taira M, Kadosaka T, Sato H, Ohashi N, Fujita H, Saijo M, Monma N, Ando S, Kawabata

- H. Isolation and molecular detection of *Ehrlichia* species from ticks in western, central, and eastern Japan. *Tick Tick Borne Dis.* **10**, 344-351 (2019)
10. Shimada M, Takamoto N, Su H, Sasahara H, Shimamura Y, Ando S, Ohashi N. Predominant shift of different P44-expressing *Anaplasma phagocytophilum* in infected HL-60, THP-1, NB4, and RF/6A cell lines. *Jpn J Infect Dis.* **72**, 73-70 (2019)
 11. Yoshikawa Y, Katayanagi Y, Kamiya M, Yamamoto Y, Fukutomi R, Imai S, Miyoshi N, Ohashi N. Tomato saponin supplementation ameliorates the development of experimental arthritis by regulating inflammatory responses. *J Funct Foods.* **49**, 458-464 (2018)
 12. Gaowa, Wulantuya, Yin X, Guo S, Ding C, Cao M, Kawabata H, Sato K, Ando S, Fujita H, Kawamori F, Su H, Shimada M, Shimamura Y, Masuda S, Ohashi N. Spotted fever group *Rickettsia* in Inner Mongolia, China, 2015-2016. *Emerg Infect Dis.* **24**, 2105-2107 (2018)
 13. Shimamura Y, Utsumi M, Hirai C, Nakano S, Ito S, Tsuji A, Ishii T, Hosoya T, Kan T, Ohashi N, Masuda S. Binding of catechins to staphylococcal enterotoxin A. *Molecules.* **9**:23(5). pii: E1125 (2018)
 14. Kawamori F, Shimazu Y, Sato H, Monma N, Ikegaya A, Yamamoto S, Fujita H, Morita H, Tamaki Y, Takamoto T, Su H, Shimada M, Shimamura Y, Masuda S, Ando S, Ohashi N. Evaluation of diagnostic assay for rickettsioses using duplex real-time PCR in multiple laboratories in Japan. *Jpn J Infect Dis.* **71**, 267-273 (2018)
 15. Gaowa, Wulantuya, Yin X, Cao M, Guo S, Ding C, Yuhua L, Jianchang L, Kawabata H, Ando S, Su H, Shimada M, Takamoto N, Shimamura Y, Masuda S, Ohashi N. Case of human infection with *Anaplasma phagocytophilum* in Inner Mongolia, China. *Jpn J Infect Dis.* **71**, 155-157 (2018)
 16. Shimamura Y, Hirai C, Sugiyama Y, Shibata M, Ozaki J, Murata M, Ohashi N, Masuda S. Inhibitory effects of food additives derived from polyphenols on staphylococcal enterotoxin A production and biofilm formation by *Staphylococcus aureus*. *Biosci Biotechnol Biochem.* **81**, 2346-2352 (2017)
 17. Iwai K, Yoshikawa Y, Miyoshi M, Fukutomi R, Asada K, Ohashi N. Effects of short-term intake of wheat bran with different particle sizes on the murine intestinal environment. *Food Sci Technol Res.* **23**, 733-742 (2017)
 18. Shimamura Y, Hirai C, Sugiyama Y, Utsumi M, Yanagida A, Murata M, Ohashi N, Masuda S. Interaction between various apple procyanidin and staphylococcal enterotoxin A and their inhibitory effects on toxin activity. *Toxins (Basel).* **9**(8). (2017)
 19. Yamano K, Ito T, Kiyanagi K, Yamazaki H, Sugawara M, Saito T, Ohashi N, Zamoto-Niikura A, Sato K, Kawabata H. Case Report: Clinical Features of a Case of suspected *Borrelia miyamotoi* disease in Hokkaido, Japan. *Am J Trop Med Hyg.* **97**, 84-87 (2017)
 20. Waki N, Kuwabara Y, Yoshikawa Y, Suganuma H, Koide H, Oku N, Ohashi N. Amelioration of *Citrobacter rodentium* proliferation in early stage of infection in mice by pre-treatment with *Lactobacillus brevis* KB290 and verification using *in vivo*

- bioluminescence imaging. *FEMS Microbiol Lett.* **364**(6). (2017)
21. Sakakibara Y, Sen E, Sato K, Kawabata H, Ohashi N, Masuzawa T. Detection and characterization of emerging relapsing fever pathogen, *Borrelia miyamotoi*, from *Ixodes ricinus* tick on rural Trakya (Thrace) region of North western Turkey. *Vector Borne Zoonotic Dis.* **16**, 797-799 (2016)
 22. Khasnatinov MA, Danchinova GA, Takano A, Kawabata H, Ohashi N, Masuzawa T. Prevalence of *Borrelia miyamotoi* in *Ixodes persulcatus* in Irkutsk City and its neighboring territories, Russia. *Ticks Tick Borne Dis.* **7**, 394-397 (2016)
 23. Wu D, Wuritu, Yoshikawa Y, Gaowa, Kawamori F, Ikegaya A, Ohtake M, Ohashi M, Shimada M, Takada A, Iwai K, Ohashi N. Molecular and serological survey of *Rickettsiales* bacteria in wild sika deer (*Cervus nippon nippon*) in Shizuoka prefecture, Japan: High prevalence of *Anaplasma* species. *Jpn J Infect Dis.* **68**, 434-437 (2015)
 24. Kato A, Sakakibara H, Tsuboi H, Tatsumi A, Akimoto M, Shimoi K, Ishii T, Kaneko H, Nakayama T, Ohashi N. Depressive symptoms of female nursing staff working in stressful environments and their association with serum creatine kinase and lactate dehydrogenase-a preliminary study. *BioPsychoSocial Medicine* **8**, 21 (2014)
 25. Todoroki K, Ishii Y, Miyauchi C, Kitagawa S, Min JZ, Inoue K, Yamanaka T, Suzuki K, Yoshikawa Y, Ohashi N, Toyo'oka T. Simple and sensitive analysis of histamine and tyramine in Japanese soy sauces and their intermediates using the stable isotope dilution HILIC-MS/MS method. *J Agric Food Chem.* **62**, 6206-6211 (2014)
 26. Tanaka K, Ohgo Y, Katayanagi Y, Yasui K, Hiramoto S, Ikemoto H, Nakata Y, Miyoshi N, Isemura M, Ohashi N, Imai S. Anti-inflammatory effects of green soybean extract irradiated with visible light. *Sci Rep.* **4**, 4732 (2014)
 27. Gaowa, Yoshikawa Y, Ohashi N, Wu D, Kawamori F, Ikegaya A, Watanabe T, Saitoh K, Takechi D, Murakami Y, Shichi D, Aso K, Ando S. *Anaplasma phagocytophilum* antibodies in humans, Japan, 2010-2011. *Emerg Infect Dis.* **20**, 508-509 (2014)
 28. Ohashi N, Gaowa Wuritu, Kawamori F, Wu D, Yoshikawa Y, Chiya S, Fukunaga K, Funato T, Shiojiri M, Nakajima H, Hamauzu Y, Takano A, Kawabata H, Ando S, Kishimoto T. Human granulocytic anaplasmosis in Japan. *Emerg Infect Dis.* **19**, 289-292 (2013)
 29. Gaowa, Ohashi N, Aochi M, Wuritu, Wu D, Yoshikawa Y, Kawamori F, Honda T, Fujita H, Takada N, Oikawa Y, Kawabata H, Ando S, Kishimoto T. *Rickettsiae* in ticks, 2007-2011 Japan. *Emerg Infect Dis* **19**, 338-340 (2013)
 30. Shinohara M, Uchida K, Shimada S, Tomioka K, Suzuki N, Minegishi T, Kawahashi S, Yoshikawa Y, Ohashi N. Application of a simple method using minute particles of amorphous calcium phosphate for recovery of norovirus from cabbage, lettuce, and ham. *J Virol Methods* **187**, 153-158 (2013)
 31. Ybañez AP, Sato F, Nambo Y, Fukui T, Masuzawa T, Ohashi N, Matsumoto. K., Kishimoto. T., and Inokuma. H. Survey on Tick-Borne Pathogens in Thoroughbred

- Horses in the Hidaka District, Hokkaido, Japan. *J Vet Med Sci.* **75**, 11-15 (2013)
32. Hiroi M, Matsui S, Kubo R, Iida N, Noda Y, Kanda T, Sugiyama K, Hara-Kudo Y, Ohashi N. Factors for occurrence of extended-spectrum β -lactamase-producing *Escherichia coli* in broiler. *J Vet Med Sci.* **74**, 1635-1637 (2012)
 33. Sakakibara H, Suzuki A, Kobayashi A, Motoyama K, Matsui A, Sayama K, Kato A, Ohashi N, Akimoto M, Nakayama T, Shimoi K. Social isolation stress induces hepatic hypertrophy in C57BL/6J mice. *J Toxicol Sci.* **37**, 1071-1076 (2012)
 34. Hiroi M, Takahashi N, Harada T, Kawamori F, Iida N, Kanda T, Sugiyama K, Ohashi N, Hara-Kudo Y, Masuda T. Serotype, Shiga toxin (Stx) type, and antimicrobial resistance of Stx-producing *Escherichia coli* isolated from humans in Shizuoka Prefecture, Japan (2003-2007). *Jpn J Infect Dis.* **65**, 198-202 (2012)
 35. Gaowa, Wuritu, Wu D, Yoshikawa Y, Ohashi N, Kawamori F, Sugiyama K, Ohtake M, Ohashi M, Yamamoto S, Kitano T, Takada N, Kawabata H. Detection and characterization of *p44/msp2* transcript variants of *Anaplasma phagocytophilum* from naturally infected ticks and wild deer in Japan. *Jpn J Infect Dis.* **65**, 79-83 (2012)
 36. Hiroi M, Yamazaki F, Harada T, Takahashi N, Iida N, Noda Y, Yagi M, Nishio T, Kanda T, Kawamori F, Sugiyama K, Masuda T, Hara-Kudo Y, Ohashi N. Prevalence of extended-spectrum β -lactamase-producing *Escherichia coli* and *Klebsiella pneumoniae* in food-producing animals. *J Vet Med Sci.* **74**:189-195 (2012)