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I Educational background

- 1997 - 2001 Bachelor of the Department of Applied Biochemistry, Seoul National University
- 2001 - 2007 Doctor of the School of Biological Science, Seoul National University

I Major careers

- 2007-2008 Postdoctoral researcher of the Institute of Microbiology, the Seoul National University
- 2008-2011 Postdoctoral researcher of the Institute of Toxicology, U.S. F.D.A.
- 2011-2014 Director of the Institute of Bioinformation, Chunlab Co., Ltd.
- 2014-present Assistant professor of the Department of Life Science, Hallym University

I Studies & Books

■ Theses

(For more information, visit lab site)

- Ji-Ung Park, Bumjo Oh, Jung Pyo Lee, Min-Ha Choi, Min-Jung Lee, [Bong-Soo Kim*](#). (2019) Influence of microbiota on diabetic foot wound in comparison with adjacent normal skin based on the clinical features. *BioMed Research International*. 2019. 7459236.
- Hyo-Eun Kim, Jin-Jae Lee, Min-Jung Lee, [Bong-Soo Kim*](#). (2019) Analysis of microbiome in raw chicken meat from butcher shops and packaged products in South Korea to detect the potential risk of foodborne illness. *Food Research International*. 122, 517-527.
- Jin-Jae Lee, Sae-Hoon Kim, Min-Jung Lee, Byung-Keun Kim, Woo-Jung Song, Heung-Woo Park, Sang-Heon Cho, Soo-Jong Hong, Yoon-Seok Chang, [Bong-Soo Kim*](#). (2019) Different upper airway microbiome and their functional genes associated with asthma in young adults and elderly individuals. *Allergy*. 74(4), 709-719.
- [Bong-Soo Kim](#), Chong Won Choi, Hyoseung Shin, Seon-Pil Jin, Jung-Soo Bae, Mira Han, Eun Young Seo, Jongsik Chun, Jin Ho Chung. (2019) Comparison of the gut microbiota of centenarians in longevity villages of South Korea with those of other age groups. *Journal of Microbiology and Biotechnology*. 29(3), 429-440.
- Han Young Chung, Byungho Lee, Eun Jung Na, Kyu-Ho Lee, Sangryeol Ryu, Hyunjin Yoon, Ju-Hoon Lee, Hyeun Bum Kim, Heebal Kim, Hee Gon Jeong, [Bong-Soo Kim*](#), Sang Ho Choi. (2018) Potential survival and pathogenesis of a novel strain, *Vibrio parahaemolyticus* FORC_022, isolated from a soy sauce marinated crab by genome and transcriptome analyses. *Frontiers in Microbiology*. 9, 1504.
- Min-Jung Lee, Mi-Jin Kang, So-Yeon Lee, Eun Lee, Kangjin Kim, Sungho Won, Dong In Suh, Kyung Won Kim, Young Ho Sheen, Kangmo Ahn, [Bong-Soo Kim*](#), Soo-Jong Hong. (2018) Perturbation of the gut microbiome genes in infants with atopic dermatitis according to feeding type. *Journal of Allergy and Clinical Immunology*. 141(4), 1310-1319

(Editors' choice of Issue)

(Selected latest research in AAAAI (American Academy of Allergy Asthma & Immunology))

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- [Bong-Soo Kim](#), Dong-Hun Han, Ho Lee, Bumjo Oh. (2018) Association of salivary microbiota with dental caries incidence with dentine involvement after 4 years. *Journal of Microbiology and Biotechnology*. 28(3), 454-464.
- Jin Hee Park, [Bong-Soo Kim*](#), Chul-Min Chon. (2018) Characterization of iron and manganese minerals and their associated microbiota in different mine sites to reveal the potential interactions of microbiota with mineral formation. *Chemosphere*. 191, 245-252.
- Jung-Soo Lim, Seung Hak Yang, [Bong-Soo Kim](#), Eun Young Lee. (2018) Comparison of microbial communities in swine manure at various temperatures and storage times. *Asian-Australasian Journal of Animal Sciences*. 31(8), 1373-1380.
- Jin-Jae Lee, Tae-Yoon Kim, Sang Ho Choi, [Bong-Soo Kim*](#). (2017) Analysis of the bacterial microbiome in the small octopus, *Octopus variabilis*, from South Korea to detect the potential risk of foodborne illness and to improve product management. *Food Research International*. 102, 51-60.
- Tae-Yoon Kim, Jin-Jae Lee, [Bong-Soo Kim*](#), Sang Ho Choi. (2017) Whole-body microbiota of sea cucumber (*Apostichopus japonicas*) from South Korea for improved seafood management. *Journal of Microbiology and Biotechnology*. 27(10), 1753-1762.
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- Jing-Hua Wang, [Bong-Soo Kim](#), Kyungsun Han, Hojun Kim. (2017) Ephedra-treated donor-derived gut microbiota transplantation ameliorates high fat diet-induced obesity in rats. *International Journal of Environmental Research and Public Health*. 14(6), 555.

- Yiseul Yeom, [Bong-Soo Kim](#), Se-Jae Kim, Yuri Kim. (2016) Sasa quelpaertensis leaf extract regulates microbial dysbiosis by modulating the composition and diversity of the microbiota in dextran sulfate sodium-induced colitis mice. BMC Complementary and Alternative Medicine. 16:481
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- Jong Nam Kim †, [Bong-Soo Kim †](#), Seong-Jae Kim, and Carl E. Cerniglia. (2012) Effects of Crude oil, Dispersant, and Oil-dispersant mixtures on Human fecal microbiota in an in vitro culture system. *mBio*. 3(5): doi:10.1128/mBio.00376-12.
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I Others

- The Microbiological Society of Korea

- The Korean Society for Microbiology and Biotechnology

- Studies on Human Microbiome

There are much more and various microorganisms than the number of human cells and genes in the human body. We try to reveal and investigate the composition and roles of various microorganisms by conducting studies through the utilization of the Next-Generation Sequencer, the analysis device

- Studies on Microorganism Metagenomics

Microorganisms coexist by the complex structure in all environments in the earth including men. However, most microorganisms cannot be incubated in laboratories. We study the composition and ecological roles of the microorganisms that actually exist in environments by utilizing metagenomics. We try to help management plans of various environments through results of the studies on household microbiome and ecosystem microbiome.

- Studies on microorganisms' genomics

We study the correlations between microorganism species' roles and their evolutionary ecology by analyzing their whole genome. We try to devise various gene detection and utilization methods.