

氏名・職位	吉田 康夫（よしだ やすお） 教授
担当科目	[教養科目] 教養キャリア基礎演習 I, II [専門科目] 微生物学、小児歯科学、高齢者障害者歯科学、歯科補綴学、歯科放射線学、歯科総合演習 I, II、診療補助応用 IV
研究分野	微生物学、口腔微生物学
学位	博士（歯学）
主な 教育研究 業績	<ul style="list-style-type: none"> • <u>Y. Yoshida</u>, Y. Nakano, Y. Yamashita, and T. Koga. The <i>gnd</i> gene encoding a novel 6-phosphogluconate dehydrogenase and its adjacent region of <i>Actinobacillus actinomycesemcomitans</i> chromosomal DNA. <i>Biochem. Biophys. Res. Commun.</i> 230: 220-225, 1997. • <u>Y. Yoshida</u>, Y. Nakano, Y. Yamashita, and T. Koga. Identification of a genetic locus essential for serotype b-specific antigen synthesis in <i>Actinobacillus actinomycesemcomitans</i>. <i>Infect. Immun.</i> 66: 107-114, 1998. • <u>Y. Yoshida</u>, Y. Nakano, T. Nezu, Y. Yamashita, and T. Koga. A novel NDP-6-deoxyhexosyl-4-ulose reductase in the pathway for the synthesis of thymidine diphosphate-D-fucose. <i>J. Biol. Chem.</i> 274: 16933-16939, 1999. • <u>Y. Yoshida</u>, Y. Nakano, N. Suzuki, H. Nakao, Y. Yamashita, and T. Koga. Genetic analysis of the gene cluster responsible for synthesis of serotype e-specific polysaccharide antigen in <i>Actinobacillus actinomycesemcomitans</i>. <i>Biochim. Biophys. Acta (Gene Regulatory Mechanism)</i>, 1489: 457-461, 1999. • <u>Y. Yoshida</u>, Y. Nakano, A. Amano, M. Yoshimura, H. Fukamachi, T. Oho, and T. Koga. <i>lcd</i> from <i>Streptococcus anginosus</i> encodes a C-S lyase with α,β-elimination activity that degrades L-cysteine. <i>Microbiology-SGM</i> 148: 3961-3970, 2002. • <u>Y. Yoshida</u>, M. Negishi, A. Amano, T. Oho, and Y. Nakano. Differences in the βC-S lyase activities of viridans group streptococci. <i>Biochem. Biophys. Res. Commun.</i>, 300: 55-60, 2003. • <u>Y. Yoshida</u>, M. Negishi, and Y. Nakano. Homocysteine biosynthesis pathways of <i>Streptococcus anginosus</i>. <i>FEMS Microbiol. Lett.</i>, 221: 277-284, 2003. • <u>Y. Yoshida</u>, N. Suzuki, Y. Nakano, K. Shibuya, Y. Ogawa, and T. Koga. Distribution of <i>Actinobacillus actinomycesemcomitans</i> serotypes and <i>Porphyromonas gingivalis</i> in Japanese adults. <i>Oral Microbiol. Immunol.</i>, 18: 135-139, 2003. • <u>Y. Yoshida</u>, S. Ganguly, C. A. Bush, and J. O. Cisar. Carbohydrate engineering of the recognition motifs in the streptococcal coaggregation receptor polysaccharides. <i>Mol. Microbiol.</i>, 58: 244-256, 2005. • <u>Y. Yoshida</u>, S. Ganguly, C. A. Bush, and J. O. Cisar. Molecular basis of L-rhamnose branch formation in streptococcal coaggregation receptor polysaccharides. <i>J. Bacteriol.</i>, 188: 4125-4130, 2006. • <u>Y. Yoshida</u>, R. J. Palmer, J. Yang, P. E. Kolenblander, and J. O. Cisar. Streptococcal receptor polysaccharides: recognition molecules for oral biofilm formation. <i>BMC Oral Health</i>, 6: S12, 2006. • <u>Y. Yoshida</u>, S. Ito, T. Sasaki, M. Kishi, M. Kurota, A. Suwabe, K. Kunimatsu and H. Kato. Molecular and Enzymatic Characterization of βC-S lyase in <i>Streptococcus constellatus</i>. <i>Oral Microbiol. Immunol.</i>, 23: 245-253, 2008. • <u>Y. Yoshida</u>, J. Yang, P.-E. Peaker, H. Kato, C. A. Bush and J. O. Cisar. Molecular and antigenic characterization of a <i>Streptococcus oralis</i> coaggregation receptor polysaccharide by carbohydrate engineering in <i>Streptococcus gordonii</i>. <i>J. Biol. Chem.</i>, 283: 12654-12664, 2008. • <u>Y. Yoshida</u>, T. Sasaki, S. Ito, H. Tamura, K. Kunimatsu and H. Kato. Identification and molecular characterization of tryptophanase encoded by <i>tnaA</i> in <i>Porphyromonas gingivalis</i>. <i>Microbiology-SGM</i>, 155: 968-978, 2009. • <u>Y. Yoshida</u>, S. Ito, M. Kamo, Y. Kezuka, H. Tamura, K. Kunimatsu, and H. Kato. Production of hydrogen sulfide by two enzymes associated with biosynthesis of homocysteine and lanthionine in <i>Fusobacterium nucleatum</i> subsp. <i>nucleatum</i> ATCC 25586. <i>Microbiology-SGM</i>, 156: 2260-2269, 2010. • <u>Y. Yoshida</u>, S. Ito, H. Tamura and K. Kunimatsu. Use of a novel assay to evaluate enzymes that produce hydrogen sulfide in <i>Fusobacterium nucleatum</i>. <i>J. Microbiol. Meth.</i>, 80: 313-315, 2010 • <u>Y. Yoshida</u>, K. Suwabe, K. Nagano, Y. Kezuka, H. Kato, and F. Yoshimura. Identification and enzymic analysis of a novel protein associated with production of hydrogen sulfide and L-serine from L-cysteine in <i>Fusobacterium nucleatum</i>

	<p>subsp. <i>nucleatum</i> ATCC 25586. Microbiology-SGM, 157: 2164-2171, 2011.</p> <ul style="list-style-type: none"> • <u>Y. Yoshida</u>, H. Konno, K. Nagano, Y. Abiko, Y. Nakamura, Y. Tanaka, and F. Yoshimura. The influence of a glucosyltransferase, encoded by <i>gtfP</i>, on biofilm formation by <i>Streptococcus sanguinis</i> in a dual-species model. APMIS. 122: 951-960, 2014. • <u>Y. Yoshida</u>, J. Yang, K. Nagano, F. Yoshimura, and J. O. Cisar. Cell surface coaggregation receptor polysaccharide of oral streptococci. J. Oral Biosci. 56: 125-130, 2014. • <u>Y. Yoshida</u>, M. Sato, K. Nagano, Y. Hasegawa, T. Okamoto and F. Yoshimura. Production of 4-hydroxybutyrate from succinate semialdehyde in the butyrate biosynthesis of <i>Porphyromonas gingivalis</i>. Biochim. Biophys. Acta (General subjects), 1850:2582-2591, 2015. • <u>Y. Yoshida</u>, M. Sato, Y. Kezuka, Y. Hasegawa, K. Nagano, J. Takebe and F. Yoshimura. Acyl-CoA reductase producing succinate semialdehyde from succinyl-CoA in the butyrate production of <i>Porphyromonas gingivalis</i>. Arch. Biochim. Biophys., 596:138-148, 2016. • H. Konno[¶], <u>Y. Yoshida</u>[¶], K. Nagano, J. Takebe, and Y. Hasegawa. Biological and biochemical roles of two distinct cyclic dimeric adenosine 3',5'-monophosphate-associated phosphodiesterases in <i>Streptococcus mutans</i>. Front Microbiol, 9: 2347, 2018. [¶] These authors contributed equally to this work. • <u>Y. Yoshida</u>, M. Sato, T. Nonaka^Y, Y. Hasegawa, and Kezuka. Characterization of the phosphotransacetylase-acetate kinase pathway for ATP production in <i>Porphyromonas gingivalis</i> J. Oral Microbiol. 11:1588086, 2019. • <u>Y. Yoshida</u>, Analysis of the butyrate-producing pathway in <i>Porphyromonas gingivalis</i>. In: Nagano K, Hasegawa Y (eds). Periodontal Pathogens: Methods in Molecular Biology. New York: Springer Nature Publishing Inc; 2210: 167-172, 2020.
所属学会	日本細菌学会、歯科基礎医学会、日本バイオフィルム学会
社会的活動業績	歯科医療，日本細菌学会評議員、日本バイオフィルム学会評議員
その他	歯科医師 Infection Control Doctor