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学歴
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学位
平成 9 年 2 月　博士（医学）（慶應義塾大学）
病原性トリパノソーマの鞭毛接着糖蛋白の機能及び発現調節の解析

医師免許
昭和 62 年 6 月 30 日　取得(311355 号)

職歴
昭和 62 年 4 月　　慶應義塾大学　助手　（医学部　寄生虫学）
平成 3 年 5 月　　慶應義塾大学　医学部　助手　（寄生虫学）
平成 3 年 12 月　　慶應義塾大学　医学部　助手　（熱帯医学・寄生虫学）
平成 7 年 7 月　　慶應義塾大学　助手　（医学部　熱帯医学・寄生虫学）
平成 11 年 2 月　　慶應義塾大学　赴任講師　（医学部　熱帯医学・寄生虫学）
平成 11 年 4 月-平成 16 年 12 月
国立感染症研究所　寄生動物部　外来寄生動物室　室長
平成 17 年 1 月-20 年 6 月
群馬大学　大学院医学系研究科　国際寄生虫病生態学　教授
平成 20 年 7 月-29 年 7 月
国立感染症研究所　寄生動物部　部長
平成 29 年 8 月-　　東京大学大学大学院医学系研究科国際保健学専攻生物医化学教室　教授
現在に至る

併任など
平成 11 年 5 月　　慶應義塾大学医学部非常勤講師（現在まで）
平成 11 年 10 月-20 年 3 月
大阪バイオサイエンス研究所客員研究員
平成 12 年 4 月-20 年 3 月
国立国際医療センター客員研究員
平成 12 年 11 月 1 日-12 月 31 日
中央薬事審議会臨時委員
平成 13 年 1 月 23 日-平成 15 年 1 月 22 日
薬事・食品衛生審議会専門委員
平成 13 年 4 月-平成 14 年 3 月
産業医科大学医学部非常勤講師
平成 13 年 12 月 1 日-平成 17 年 3 月 31 日
科学技術振興事業団さきがけ 21(PRESTO)「生体と制御」領域 研究員
平成 21 年 9 月 1 日-29 年 3 月 31 日
国立大学法人筑波大学大学院生命環境科学研究科　教授（連携大学院）
平成 23 年 4 月 1 日-30 年 3 月 31 日
早稲田大学理工学術院　教授（連携大学院）
平成 23 年 4 月 1 日-29 年 9 月 30 日
内閣府食品安全委員会微生物・ウイルス部会専門委員

留学・海外活動・その他の略歴

昭和 63 年 10 月　国際協力事業団東北ブラジル医療プロジェクト派遣(Laboratory of Immunopathology of Prof. Keizo Asami, Recife)（7 カ月)
平成元年 5 月　米国 National Institute of Allergy and Infectious Diseases, National Institutes of Health (James A. Dvorak Lab)にて Visiting Fellow（3 年 3 カ月）
平成 4 年 8 月　米国 NIH にて Visiting Associate（3 カ月）
平成 4 年 11 月　米国 The Rockefeller University (George A. M. Cross Lab)にて Research Associate（3 年 2 カ月）
平成 6 年 11 月　ブラジル University of Rio de Janeiro にて"Transfection of *Trypanosoma cruzi*"のコース講師（1 カ月）
平成 9 年 11 月　文部省海外学術調査（先天性シャーガス病の疫学・病因・病態に関する研究）派遣（2 週間）
平成 20 年 2 月　厚生労働省社会保障国際協力推進研究事業（国際医学協力研究事業）「寄生虫疾患の病態解明及びその予防・治療をめざした研究」研究者派遣事業（結核予防会）インドコルカタ国立コレラ下痢症研究所（4 週間）

所属学会（過去を含む）
1. 日本寄生虫学会
2. 日本生化学会
3. 日本共生生物学会
4. 日本分子生物学会
5. 日本細胞生物学会
6. 日本熱帯医学会
7. The American Society of Tropical Medicine and Hygiene
8. The American Society of Biochemistry and Molecular Biology
9. The American Society of Microbiology

学会・審議会などの委員・世話人など
平成 8 年 4 月-16 年 3 月　日本寄生虫学会分子生物学・生理生化学研究会世話人
平成 10 年 7 月-平成 16 年 7 月
分子寄生虫学ワークショップ世話人
平成 11 年 4 月-現在　Japanese Journal of Infectious Diseases の Editor
平成 13 年 4 月-現在　日本寄生虫学会評議員
平成 18 年 4 月-24 年 3 月及び 27 年 4 月から現在
日本寄生虫学会理事（平成 18-24 年学術担当理事）
平成 30 年 4 月-現在　日本寄生虫学会理事長
平成 14 年 4 月-平成 19 年 3 月
日米医学協力研究会・寄生虫疾患専門部会研究員
平成 19 年 4 月-現在　日米医学協力研究会・寄生虫疾患専門部会パネルメンバー
平成 16 年 10 月-現在　分子寄生虫・マラリア研究フォーラム世話人
平成 16 年 4 月-平成 25 年 3 月 Parasitology International の Editorial Board Member
平成 25 年 10 月-現在 Journal of Eukaryotic Microbiology の Associate Editor
平成 27 年 4 月-現在 Scientific Reports Editorial Board Member
平成 28 年 3 月-現在 Food Safety Editorial Board Member

受賞など
1. 平成 11 年 1 月　平成 10 年度　慶應義塾大学三四会賞
2. 1999 年 9 月　Molecular Parasitology Meeting, Woods Hole, U.S.A., Best Presentation Award
3. 平成 14 年 1 月　坂口光洋記念医学振興基金特別奨励賞
4. 平成 20 年 4 月　日本寄生虫学会第 55 回小泉賞

業績目録

A. 英文論文

1. Kobayashi, S., Okuzawa, E., Nozaki, T., Tanabe, M., and Takeuchi, T. (1988) Absence of positive anti-human immunodeficiency virus antibody titers in the Japanese cases with invasive amoebiasis. Jpn. J. Exp. Med., 37, 248-250.
2. Takeuchi, T., Matsuda, H., Okuzawa, E., Nozaki, T., Kobayashi, S., and Tanaka, H. (1988) Application of a micro enzyme-linked immunosorbent assay (ELISA) to detection of anti-amebic antibody in various forms of amebic infection. Jpn. J. Exp. Med. 58, 229-231.
3. Takeuchi, T., Nozaki, T., Okuzawa, E., and Kobayashi, S. (1989) High seropositiveness of Japanese homosexual men for amebic infection. J. Infect. Dis. 159, 808.
4. Nozaki, T., Motta, S. R. N., Takeuchi, T., and Sargeaunt, P. G. (1989) Occurrence of pathogenic zymodemes of *Entamoeba histolytica* in male homosexual populations in Japan. Trans. R. Soc. Trop. Med. Hyg. 83, 525.
5. Nozaki, T., da Silva Aca, I., Magalhaes, M., Tateno, S., and Takeuchi, T. (1990) Zymodemes of *Entamoeba histolytica* isolated in the Amazon and the northeast regions of Brazil. R. Soc. Trop. Med. Hyg. 84, 387-388.
6. Takeuchi, T., Miyahira, Y., Kobayashi, S., Nozaki, T., Motta, S. R., and Matsuda, J. (1990) High seropositivity for *Entamoeba histolytica* in Japanese male homosexual population. Trans. R. Soc. Trop. Med. Hyg. 84, 250-251.
7. Nozaki, T., and Dvorak, J. A. (1991) *Trypanosoma cruzi*: Flow cytometric analysis of developmental stage differences in DNA. J. Protozool. 38, 234-243.
8. Hamada, A., Watanabe, N., Kobayashi, S., Okusawa, E., Nozaki, T., Barbosa, I., Tateno, S., Kobayashi, A. (1991) The etiological factor for eosinophilia and hyperglobulinemia in Brazilian school children. Jpn. J. Trop. Med. Hyg. 19, 203-208.
9. Nozaki, T. and Dvorak, J.A. (1993) Intraspecific diversity in the response of *Trypanosoma cruzi* to environmental stress. J. Parasitol. 79, 451-454.
10. Nozaki, T. and Dvorak, J.A. (1993) Biochemical and molecular biological characterization of tubercidin-resistant *Trypanosoma cruzi* stocks. Parasitol. Res. 79, 451-455.
11. Aca, I da S., Franco Junior, E,. Nozaki, T., Freitas, G.B.; Tateno, S. (1993) *Entamoeba histolytica* zymodemes in children of Osasco, Sao Paulo. Rev. Inst. Med. Trop. Sao Paulo, 35, 581-582.
12. Nozaki, T. and Cross, G. A. M. (1994) Functional complementation of glycoprotein 72 in a *Trypanosoma cruzi* glycoprotein 72 null mutant. Mol. Biochem. Parasitol. 67, 91-102.
13. Nozaki, T. and Cross, G. A. M. (1995) Effects of 3' untranslated and inter-genic regions on gene expression in *Trypanosoma cruzi*. Mol. Biochem. Parasitol. 75, 55-67.
14. Nozaki, T., Engel, J. and Dvorak, J.A. Cellular and molecular biological characterization of Lampit resistance in *Trypanosoma cruzi*. (1996) Am. J. Trop. Med. Hyg. 55, 111-117.
15. Nozaki, T., Haynes, P., and Cross, G. A. M. (1996) Characterization of the *Trypanosoma brucei* homologue of a *Trypanosoma cruzi* flagellum adhesion glycoprotein[1]. Mol. Biochem. Parasitol. 82, 245-255.
16. Nozaki, T., Asai, T., and Takeuchi, T. (1997) Codon usage in *Entamoeba histolytica, E. dispar* and *E. invadens*. Parasitol. Int. 46, 105-109.
17. Nozaki, T., Asai, T., Kobayashi, S., Ikegami, F., Noji, M, Saito, K., and Takeuchi, T. (1998) Molecular cloning and characterization of the genes encoding two isoforms of cysteine synthase in the enteric protozoan parasite *Entamoeba histolytica*. Mol. Biochem. Parasitol., 97, 33-44.
18. Asai, T., Howe, D. K., Nakajima, K., Nozaki, T., Takeuchi, T., and Sibley, L. D. (1998) *Neospora caninum*: tachyzoites express a potent type-I nucleoside triphosphate hydrolase[1], but lack nucleoside diphosphate hydrolase activity. Exp. Parasitol., 90, 277-285
19. Nozaki, T., Arase, T., Shigeta, Y., Asai, T, Leusteck, T., and Takeuchi, T. (1998) Cloning and bacterial expression of adenosine-5'-triphosphate sulfurylase from the enteric protozoan parasite *Entamoeba histolytica*. Biochim. Biophys. Acta 1429, 284-291.
20. Nozaki, T., Toh-e, A., Fujii, M., Yagisawa, H., Nakazawa, M., and Takeuchi, T. (1999) Cloning and characterization of a gene encoding phosphatidyl inositol-specific phospholipase C from *Trypanosoma cruzi.* Mol. Biochem. Parasitol. 102, 283-295.
21. Nozaki, T., Asai, T., Sanchez, L.B., Kobayashi, S., Nakazawa, M., and Takeuchi, T. (1999) Characterization of the gene encoding serine acetyltransferase, a regulated enzyme of cysteine biosynthesis from the protist parasite *Entamoeba histolytica and Entamoeba dispar*: Regulation and

possible function of the cysteine biosynthetic pathway in *Entamoeba.* J. Biol. Chem. 274, 32445-32452.
22. Nozaki, T., Tokoro, M., Imada. M., Saito, Y., Abe, Y., Shigeta, Y., and Takeuchi. T. (2000) Cloning and biochemical characterization of genes encoding two isozymes of cysteine synthase from *Entamoeba dispar.* Mol. Biochem. Parasitol. 107,129-133.
23. Nagamune, K., Nozaki, T., Maeda, Y., Ohishi, K., Fukuma, T., Hara, T., Schwarz, R.T., Sütterlin, C., Brun, R., Riezman, H., and Kinoshita, T. (2000) Critical roles of glycosylphosphatidylinositol for *Trypanosoma brucei*. Proc. Natl. Acad. Sci. USA. 97, No19,10336-10341.
24. Kubata, B. K., Duszenko, M., Kabututu, Z., Rawer, M., Szallies, A., Fujimori, K., Inui, T., Nozaki, T., Yamashita, K., Horii, T., Urade, Y., and Hayaishi, O. (2000) Identification of a novel prostaglandin F_{2a} synthase in *Trypanosoma brucei*. J. Exp. Med. 192, 1327-1337.
25. Nozaki, T., Saito-Nakano, Y., Tokoro, M., and Takeuchi, T. (2000)Sulfur-Amino Acid Biosynthesis in *Entamoeba*: Characterization of a gene encoding cystathionine g-synthase involved in methionine biosynthesis from *Entamoeba.* Arch. Med. Res. 31, S69-70.
26. Saito-Nakano, Y., Yasuda, T., Shigeta, Y., Nakazawa, M., Takeuchi, T., and Nozaki, T. (2000) Identification and characterization of a Rab5 homologue in *Entamoeba histolytica.* Arch. Med. Res. 31, S155-156.
27. Nozaki, T. (2000) Current problems of Amebiasis in Japan and recent advances in amebiasis researches (Review) Jpn. J. Inf. Dis. 53, 229-237.
28. Nozaki T., Shigeta Y., Saito-Nakano Y., Imada M., and Kruger W.D. (2001) Characterization of transsulfuration and cysteine biosynthetic pathways in the protozoan haemoflagelate, *Trypanosoma cruzi*: Isolation and molecular characterization of cystathionine b-synthase and serine acetyltransferase from trypanosoma. J. Biol. Chem. 276, 6516-6523.
29. Sanuki, J., Tokoro, M., Nozaki, T., Okuzawa, E., and Asai, T. (2001) Purification and identification of major soluble 40-kDa antigenic protein from *Entamoeba histolytica* : its application for serodiagnosis of asmptomatic. Parasitol. Int. 50, 73-80.
30. Saito-Nakano, Y., Nakazawa, M., Shigeta, Y., Takeuchi, T., and Nozaki, T. (2001) Identification and characterization of genes encoding novel Rab proteins from *Entameoba histolytica*. Mol. Biochem. Parasitol. 116, 219-222.
31. Saito, T., Maeda, T., Nakazawa, M., Takeuchi, T., Nozaki, T., and Asai, T.(2002) Characterization of hexokinase in *Toxoplasma gondii* tachyzoites. Int. J. Parasitol. 32, 961-967.
32. Haghighi, A., Kobayashi, S., Takeuchi, T., Masuda, G., and Nozaki, T. (2002) Remarkable genetic polymorphism among *Entamoeba histolytica* isolates from a limited geographic area. J. Clin. Microbiol. 40,4081-90.
33. Basombrío, M., Gómez, L., Padilla, A.M., Ciaccio, M., Nozaki, T., and Cross, G.A.M. (2002) Targeted deletion of the *Gp72* gene decreases the infectivity of *Trypanosoma cruzi* for mice and insect vectors. J. Parasitol. 88,489-493.
34. Kabututu, Z., Martin, S.K., Nozaki, T., Kawazu, S., Okada, T.,Munday, C.J., Duszenko, M., Lazarus, M., Urade, Y., and Kubata, B.K. (2002) Prostaglandin production from arachidonic acid and evidence for a 9,11-endoperoxide prostaglandin H_2 reductase in *Leishmania*. Int. J. Parasitol. 32, 1693-1700.
35. Kubata, B.K., Munday, C.J., Nozaki, T., Kabututu, Z., Fukuzumi. S., Ohkubo. K., Lazarus, M., Martin, S.K., Duszenko, M., and Urade, Y. (2002) A key role for Old Yellow Enzyme *Trypanosoma cruzi* in the metabolism of drugs by *Trypanosoma* cruzi. J. Exp. Med. 196, 1241-1251.
36. Haghighi, A., Kobayashi, S., Takeuchi, T., Thammapalerd, N., and Nozaki, T. (2003) Geograhic diversity of genotypes among *Entamoeba histolytica* field isolates. J. Clin. Microbiol. 41, 3748-3756.
37. Dvorak, J.A., Kobayashi, S., Nozaki, T., Takeuchi, T., and Matsubara, C. (2003) Induction of permeability changes and death of vertebrate cells is modulated by the virulence of *Entamoeba* spp. Isolates. Parasitol. Int. 52, 169-173.
38. Kawazu, S, Nozaki, T., Tsuboi, T., Nakano, Y., Komaki-Yasuda, K., Ikenoue, N., Torii, M., and Kano, S. (2003) Expression profiles of peroxiredoxin proteins of the rodent malaria parasite *Plasmodium yoelii*. Int. J. Parasitol. 33, 1455-1461.
39. Ali, V., Shigeta, Y., and Nozaki, T. (2003) Molecular and structural characterization of NADPH-dependent D-glycerate dehydrogenase from the enteric parasitic protist *Entamoeba histolytica*. Biochem. J. 375, 729-736.
40. Tokoro, M., Asai, T. Kobayashi, S., Takecuhi, T., and Nozaki, T. (2003) Identification and characterization of two isoenzymes of methionine gamma-lyase from *Entamoeba histolytica*: a key

enzyme of sulfur-amino acid degradation in an anaerobic parasitic protist that lacks forward and reverse trans-sulfuration pathways. J. Biol. Chem. 278,42717-42727
41. Ghosh, S., Chan, J., Lea, C.R., Meints, G.A., Lewis, J.C., Tovian, Z., Flessner, R., Loftus, T.C., Bruchhaus, I., Fradley, K.L., Kendrick, H., Croft, S., Kemp, R., Kobayashi, S., Nozaki, T., and Oldfield, E. (2004) Effects of bisphosphonates on the growth of *Entamoeba histolytica* and *Plasmodium* species *in vitro* and *in vivo*. J. Med. Chem. 47, 175-187.
42. Kumagai, M, Makioka, A., Takeuchi, T., and Nozaki, T. (2004) Molecular cloning and characterization of a protein farnesyltransferase from the enteric protozoan parasite *Entamoeba histolytica*. J. Biol. Chem. 279, 2316-2323
43. Ali, V., Shigeta, Y., Tokumoto, U., Takahashi, Y., and Nozaki, T. (2004) An intestinal parasitic protist, *Entamoeba histolytica,* possesses a non-redundant nitrogen fixation-like system for iron-sulfur cluster assembly under anaerobic conditions. J. Biol. Chem. 279, 16863-16874.
44. Ali, V., Hashimoto, T., Shigeta, Y., and Nozaki, T. (2004) Molecular and biochemical characterization of D-phosphoglycerate dehydrogenase from E*ntamoeba histolytica*: a unique enteric protozoan parasite that possesses both phosphorylated and non-phosphorylated serine metabolic pathways. Eur. J. Biochem. 271, 2670-2681.
45. Saito-Nakano Y, Yasuda T, Nakada-Tsukui K, Leippe M, Nozaki T. (2004) Rab5-associated vacuoles play a unique role in phagocytosis of the enteric protozoan parasite *Entamoeba histolytica*. J. Biol.Chem. 279, 49497-49507
46. Loftus, B., Anderson, I., Davies, R., Alismark, U. C. M., Samuelson, J., Amedeo, P., Roncaglia, P., Berriman, M., Hirt, R. P., Mann, B. J., Nozaki, T., Suh, B., Pop, M., Duchene, M., Ackers, J., Tannich, E., Leippe, M., Hofer, M., Bruchhaus, I., Willhoeft, U., Bhattacharya, A., Chillingworth, T., Churcher, C., Hance, Z., Harris, B., Harris, d., Jagels, K., Moule, S., Mungall, K., Ormond, D., Squares, R., Whitehead, S., Guillen, N., Gilchrist, C., Stroup, S. E., Bhattacharya, S., Lohia, A., Foster, P. G., Sicheritz-Ponten, T., Weber, C., Singh, U., Mukherjee, C., Petri, W. A. J., Clark, C. G., Embley, T. M., Barrell, B., Fraser, C. M., and Hall, N. (2005). The genome of the protist parasite *Entamoeba histolytica*. Nature 433, 865-868.
47. Beck, D.L., Boettner, D., Dragulev, B., Ready, L., Mackey, A.J., Nozaki, T., Pearson, W.R., and Petri, Jr., W.A. (2005) Identification and gene expression analysis of a large family of transmembrane kinases related to the Gal/GalNAc lectin in *Entamoeba histolytica* . Eukaryot. Cell 4, 722-732.
48. Okada, M., Huston, C. D., Mann, B. J., Petri, Jr., W. A., Kita, K., and Nozaki, T. (2005) Proteomic analysis of phagocytosis in the enteric protozoan parasite *Entamoeba histolytica*. Eukaryot. Cell 4, 827-831.
49. Saito-Nakano, Y., Loftus, B. J., Hall, N., and Nozaki, T. (2005) The diversity of Rab small GTPases in E*ntamoeba histolytica*. Exp. Parasitol. 110, 244-252.
50. Mitra, B. N., Yasuda, T., Kobayashi, S., Satio-Nakano, Y., Nozaki, T. (2005) Differences in morphology of phagosomes and kinetics of acidification and degradation in phagosomes between the pathogenic *Entamoeba histolytica* and the non-pathogenic *Entamoeba dispar*. Cell Motil. Cytoskeleton 62, 84-99
51. Nakada-Tsukui, K., Saito-Nakano, Y., Ali, V., and Nozaki, T. (2005) A retromerlike complex is a novel Rab7 effector that is involved in the transport of the virulence factor cysteine protease in the enteric protozoan parasite *Entamoeba histolytica*. Mol. Biol. Cell 16, 5294-5303.
52. Nozaki, T., Ali, V., and Tokoro, M. (2005) Sulfur-containing amino acid metabolism in parasitic protozoa. (Review) Adv. Parasitol. 60, 1-99.
53. Razmjou, E., Rezaian, M., Haghighi, A., Kazemi, B., Farzami, B., Kobayashi, S., and Nozaki, T. (2005) Comparison of the recombinant glucosephosphate isomerase from different zymodemes of Entamoeba histolytica with their natural counterparts by isoenzyme electrophoresis. Iranian J. Public Health 34, 35-40
54. Ali, V. and Nozaki, T. (2006) Biochemical and functional characterization of phosphoserine aminotransferase from *Entameba histolytica*, which possesses both phosphorylated and non-phosphorylated serine metabolic pathways. Mol. Biochem. Parasitol. 145, 71-83.
55. Okada, M., Huston, C. D., Oue, M., Mann, B. J., Petri, Jr., W. A., Kita, K., and Nozaki, T. (2006) Kinetics and strain variation of phagosome proteins of *Entamoeba histolytica* by proteomic analysis**.** Mol. Biochem. Parasitol. 145, 171-183.
56. Makioka, A., Kumagai, M., Takeuchi, T., and Nozaki, T. (2006) Characterization of protein geranylgeranyltransferase I from the enteric protist *Entamoeba histolytica.* Mol. Biochem. Parasitol. 145, 216-225.
57. Nozaki, T., Kobayashi, S., Takeuchi, T., and Haghighi, A. (2006) Diversity of clinical isolates of *Entamoeba histolytica* in Japan. (review) Arch. Med. Res. 37, 277-279.

58. Okada, M. and Nozaki, T. (2006) New insights into molecular mechanisms of phagocytosis in *Entamoeba histolytica* by proteomic analysis. (review) Arch. Med. Res. 37, 244-252.
59. Nozaki, T. and Nakada-Tsukui, K. (2006) Membrane trafficking as a virulence mechanism of the enteric protozoan parasite *Entamoeba histolytica*. (review) Parasitol. Res. 98, 179-183.
60. Gilchrist, C. A., Houpt, E., Trapaidze, N., Fei, Z., Crasta, O., Asgharpour, A., Evans, C., Martino-Catt, S., Baba, D. J., Stroup, S., Hamano, S., Ehrenkaufer, G., Okada, M., Singh, U., Nozaki, T., Mann, B. J., Petri, Jr., W. (2006) Impact of intestinal colonization and invasion on the *Entamoeba histolytica* transcriptome. Mol. Biochem. Parasitol. 147, 163-176.
61. Mitra, B. N., Kobayashi, S., Saito-Nakano, Y, and Nozaki, T. (2006) *Entamoeba histolytica*: Differences in phagosome acidification and degradation between attenuated and virulent strains. Exp. Parasitol. 114, 57-61.
62. Razmjou, E., Haghighi, A., Rezaian, M., Kobayashi, S., and Nozaki, T. (2006) Genetic diversity of glucose phosphate isomerase from *Entamoeba histoltyica*. Parasitol. Int. 55, 307-311.
63. Sato, D., Nakada-Tsukui, K., Okada, M., and Nozaki, T. (2006) Two cysteine protease inhibitors, EhICP1 and 2, localized in distinct compartments, negatively regulate secretion in *Entamoeba histolytica*. FEBS Lett. 580, 5306-5312.
64. Sato, D., Yamagata, W., Kamei, K., Nozaki, T. and Harada, S. (2006) Expression, purification, and crystallization of L-methionine g-lyase 2 from *Entamoeba histolytica*. Acta Crystallograph. Sect. F Struct. Biol. Cryst. Commun. 62, 1034-1036.
65. Ali. V. and Nozaki, T. (2007) Current therapeutics, their problems, and sulfur-containing amino acid metabolism as a novel target against infections by "amitochondriate" protozoan parasites. Clin. Microbiol. Rev. 20, 164-187.
66. Saito-Nakano, Y., Mitra, B. N., Nakada-Tsukui, K., Sato, D., and Nozaki, T. (2007) Two Rab7 isotypes, EhRab7A and EhRab7B, play distinct roles in biogenesis of lysosomes and phagosomes in the enteric protozoan parasite *Entamoeba histolytica* Cell. Microbiol. 9, 1796-1808.
67. Mitra, B. N., Saito-Nakano, Y., Nakada-Tsukui, K., Sato, D., and Nozaki, T. (2007) Rab11B small GTPase regulates secretion of cysteine proteases in the enteric protozoan parasite *Entamoeba histolytica*. Cell. Microbiol. 9, 2112-2125
68. Clark, C.G., Cecilia, U., Alsmark, M., Hofer, M., Saito-Nakano, Y., Ali, V., Marion, S., Weber, C., Mukherjee, C., Bruchhaus, I., Tannich, E., Leippe, M., Sicheritz-Ponten, T., Foster, P. G., Samuelson, J., Noel, C. J., Hirt, R. P., Embley, T. M., Gilchrist, C. A., Mann, B. J., Singh, U., Ackers, J. P., Bhattacharya, S., Bhattacharya, A., Lohia. A., Guillen, N., Duchene, M., Nozaki, T., and Hall, N. (2007) Structure and content of the *Entamoeba histolytica* genome. Adv. Parasitol. 65, 51-190.
69. Picazarri, K., Nakada-Tsukui, K., and Nozaki, T. (2008) Autophagy during proliferation and encystation in the protozoan parasite *Entamoeba invadens*. Inf. Immmun. 76, 278-288.
70. Sato, D., Yamagata, W., Harada, S., and Nozaki, T. (2008) Kinetic characterization of methionine gamma-lyases from the enteric protozoan parasite *Entamoeba histolytica* against physiological substrates and trifluoromethionine, a promising lead compound against amoebiasis. FEBS J. 275, 548-560.
71. Sato, D., Karaki, T., Shimizu, A., Kamei, K., Harada, S., and Nozaki, T. (2008) Crystallization and preliminary X-ray analysis of L-methionine γ-lyase 1 from *Entamoeba histolytica*. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 64, 697-699, 2008.
72. Ebert, F., Bachmann, A., Nakada-Tsukui, K., Hennings, I., Drescher, B., Nozaki, T., Tannich, E., and Bruchhaus, I. (2008) An *Entamoeba* cysteine peptidase specifically expressed during encystation. Parasitol. Int. 57, 521-524
73. Wong, E., Okhonin, V., Berezovski, M., Nozaki, T., Alexandrov, K.,and Krylov, S. (2008)"Inject-mix-react-separate-and-quantitate" method for High-throughput screening of enzyme Inhibitors. J. Am. Chem. Soc. 130, 11862-11863.
74. Picazarri, K., Nakada-Tsukui, K., Sato, D., and Nozaki, T. (2008) Analysis of autophagy in the enteric protozoan parasite *Entamoeba*. Methods Enzymol. 451, 359-371.

(Case report) Taguchi, R., Mogami, Y., Ohyama-Oku, Y., Sato, H., Ohyama, Y., Kawada, E., Tamura, J.-I., Suzue, K., Nozaki, T. (2008) A case of falciparum malaria successfully treated with maximum dose of mefloquineKitakanto Med J 58, 311-314.

75. Hussain, S., Ali, V., Jeelani, G., and Nozaki, T. (2009) Isoform-dependent feedback regulation of serine O-acetyltransferase isoenzymes involved in L-cysteine biosynthesis of *Entamoeba histolytica*. Mol. Biochem. Parasitol. 163, 39–47.

76. Ghosh, E., Ghosh, A., Ghosh, A. N., Nozaki, T., and Ganguly, S. (2009) Oxidative stress-induced cell cycle blockage and a protease-independent programmed cell death in microaerophilic *Giardia lamblia*. Drug Design, Development and Therapy 3, 103-110.
77. Nakada-Tsukui, K., Okada, H., Mitra, B. N., and Nozaki, T. (2009) Phosphatidylinositol-phosphates mediate cytoskeletal reorganization during phagocytosis via a unique modular protein consisting of RhoGEF/DH and FYVE domains in the parasitic protozoon *Entamoeba histolytica.* Cell. Microbiol. 11, 1471-1491.
78. Sato, D. and Nozaki, T. (2009) Methionine gamma-lyase: the unique reaction mechanism, physiological roles, and therapeutic applications against infectious diseases and cancers. IUBMB Life, 61, 1019-1028. (Review)
79. Mi-ichi, F., Yousuf, M. A., Nakada-Tsukui, K., and Nozaki, T. (2009) Mitosomes in *Entamoeba histolytica* contain a sulfate activation pathway. Proc. Natl. Acad. Sci. USA., 106, 21731–21736.
[Also highlighted in Research Highlights of Nature Chemical Biology Feburary Issue"METABOLISM: A location for sulfation"(6, 81, 2010); Reviewed in Faculty of 1000, F1000 Factor 9.0)]
80. Eze, S. O. O., Jeelani, G., Husain, A., Nozaki, T. (2009) Molecular cloning and characterization of aspartate ammonia-lyase from *Entamoeba histolytica*. Nigerian J. Biochem. Mol. Biol. 24, 1-7.
81. Sato., D., Kobayashi, S., Yasui, H., Shibata, N., Toru, T., Yamamoto, M., Tokoro, G., Ali, V., Soga, T., Takeuchi, T., Suematsu, M., and Nozaki, T. (2010) Cytotoxic effect of amide derivatives of trifluoromethionine to the enteric protozoan parasite *Entamoeba histolytica*. Int. J. Antimicrob. Agents., 35, 56-61.
82. Escueta-de Cadiz, A., Kobayashi, S., Takeuchi, T., Tachibana, H., and Nozaki, T. (2010) Identification of an avirulent *Entamoeba histolytica* strain with unique tRNA-linked short tandem repeat markers. Parasitol. Int. 59, 75-81.
83. Maralikova, B., Ali, V., Nakada-Tsukui, K., Nozaki, T., van der Giezen, M., Henze, K., and Tovar, J. (2010) Bacterial-type oxygen detoxification and iron-sulphur cluster assembly in amoebal relict mitochondria Cell. Microbiol. 12, 331-342.
84. Husain, A., Jeelani, G., Sato, D., Ali, V,, and Nozaki, T. (2010) Characterization of two isotypes of L-threonine dehydratase from *Entamoeba histolytica*. Mol. Biochem. Parasitol. 170, 100-104.
85. Mendoza-Macías, C. L., Barrios-Ceballos, M. P., Anaya-Velázquez, F., Nakada-Tsukui, K., Nozaki, T., and Padilla-Vaca, F. (2010) *Entamoeba histolytica*: molecular cloning and characterization of a novel neutral sphingomyelinase. Exp. Parasitol. 125, 279-285.
86. Khan, S. M., Debnath, C., Pramanik, A. K., Xiao, L., Nozaki, T., and Ganguly, G. (2010) Molecular characterization and assessment of zoonotic transmission of *Cryptosporidium* from dairy cattle in West Bengal, India. Vet. Parasitol. 171, 41-47.
87. Mishra, V., Ali, V., Nozaki, T., and Bhakuni,V. (2010) *Entamoeba histolytica* phosphoserine aminotransferase (EhPSAT): Insights into the structure-function relationship. BMC Research Notes 3, 52. doi:10.1186/1756-0500-3-52.
88. Yousuf, M. A., Mi-ichi, F., Nakada-Tsukui, K., and Nozaki, T. (2010) Localization and targeting of unusual pyridine nucleotide transhydrogenase in *Entamoeba histolytica*. Eukaryot. Cell 9, 926-933.
89. Nakada-Tsukui, K., Saito-Nakano, Y., Husain, A., and Nozaki, T. (2010) Conservation and function of Rab small GTPases in Entamoeba: annotation of *E. invadens* Rab and its use for the understanding of *Entamoeba* biology. Exp. Parasitol. 126, 337-347. (Review)
90. Jeelani, G., Husain, A., Sato, D., Ali, V., Suematsue, M., Soga, T., and Nozaki, T. (2010) Two Atypical L-cysteine-regulated NADPH-dependent oxidoreductases involved in redox maintenance, L-cystine reduction, and metronidazole activation in the enteric protozoon *Entamoeba histolytica.* J. Biol. Chem., 285, 26889-26899.
91. Saito-Nakano, Y., Nakahara, T., Nakano, K., Nozaki, T., and Numata, O. (2010) Marked amplification and diversification of Rab GTPases in ciliates *Tetrahymena thermophila* and *Paramecium tetraurelia* J. Eukaryot. Microbiol. 57, 389-399.
92. Husain, A., Sato, D., Jeelani, G., Suematsu, M., Soga, T., and Nozaki, T. (2010) Metabolome analysis revealed increase in S-methylcysteine and phosphatidylisopropanolamine synthesis upon L-cysteine deprivation in the anaerobic protozoan parasite *Entamoeba histolytica.* J. Biol. Chem. 285, 39160-39170.
93. Mukherjee, A. K., Das , K., Bhattacharya, M. K., Nozaki, T. and Ganguly, S. Trend of *Entamoeba histolytica* infestation in Kolkata. Gut Pathogens 2010, 2:12doi:10.1186/1757-4749-2-12.
94. Mishra, V., Ali, V., Nozaki, T., and Bhakuni V. Biophysical characterization of Entamoeba histolytica phosphoserine aminotransferase (EhPSAT): role of cofactor and domains in stability and subunit assembly. Eur Biophys J. 40, 599-610, 2011.

95. Husain, A., Jeelani, G., Sato, D., and Nozaki, T. Global Analysis of gene expression in response to L-cysteine deprivation in the anaerobic protozoan parasite *Entamoeba histolytica*. BMC Genomics 12, 275, 2011.
96. Penuliar, G. M., Furukawa, A., Sato, D., and Nozaki, T. Mechanism of trifluoromethionine resistance in *Entamoeba histolytica*. J. Antimicrob. Chemother. 66, 2045-2052, 2011.
97. Mi-ichi, F., Makiuchi, T., Furukawa, A., Sato, D., and Nozaki, T. Sulfate activation in mitosomes plays a crucial role in the proliferation of *Entamoeba histolytica*. PLoS Negl. Trop. Dis. 5, e1263, 2011.
98. Watanabe, K., Gatanaga, H., de Cadiz, A.E., Tanuma, J., Nozaki, T., Oka, S. Amebiasis in HIV-1-infected Japanese men: clinical features and response to therapy. PLoS Negl. Trop. Dis. 5, e1318, 2011.
99. Khan, S. M., Debnath, C., Pramanik, A. K., Xiao, L., Nozaki, T., and Ganguly, S. Molecular evidence for zoonotic transmission of *Giardia duodenalis* among dairy farm workers in West Bengal, India. Vet. Parasitol. 178, 342-345, 2011.
100. Penuliar, G. M., Furukawa, A., Nakada-Tsukui, K., Husain, A., Sato, D., and Nozaki, T. Transcriptional and functional analysis of trifluoromethionine resistance in *Entamoeba histolytica*. J. Antimicrob. Chemother. 67, 375-386, 2012. (10.1093/jac/dkr484)
101. Mishra, V., Kumar, ., Ali, V., Nozaki, T., Zhang, K. Y. J., Bhakuni, V. Role of conserved active site tryptophan-101 in functional activity and stability of phosphoserine aminotransferase from an enteric human parasite. Amino Acids 43, 483-491, 2012. (10.1007/s00726-011-1105-x)
102. Mishra, V., Kumar, A., Ali, V., Nozaki, T., Zhang, K. Y. J., and Bhakuni, V. Glu-108 is essential for subunit assembly and dimer stability of D-phosphoglycerate dehydrogenase from *Entamoeba histolytica*. Mol. Biochem. Parasitol. 181, 117-124, 2012. (10.1016/j.molbiopara.2011.10.008)
103. Furukawa, A., Nakada-Tsukui, K., and Nozaki, T. Novel transmembrane receptor involved in phagosome transport of lysozymes and β-hexosaminidase in the enteric protozoan *Entamoeba histolytica.* PLoS Pathogens 8, e1002539 2012. doi:10.1371/journal.ppat.1002539. (10.1371/journal.ppat.1002539)
104. Christy, N., Hencke, J., Escueta-De Cadiz, A., Nazib, F., Thien, H., Yagita, K., Ligaba, S., Haque, R., Nozaki, T., Tannich, E., Herbein, J., and Petri, W. Multi-site performance evaluation of an ELISA for the detection of *Giardia, Cryptosporidium,* and *Entamoeba histolytica* antigens in human stool. J. Clin. Microbiol. 50, 1762-1763, 2012. (10.1128/JCM.06483-11)
105. Nakada-Tsukui, K., Tsuboi, K., Furukawa, A., Yamada, Y., and Nozaki, T. A novel class of cysteine protease receptors that mediate lysosomal transport. Cell. Microbiol. 14, 1299-317, 2012. (10.1111/j.1462-5822.2012.01800.x)
106. Jeelani, G,, Sato, S., Husain, A., Escueta-de Cadiza, A., Sugimoto, M., Soga, T., Suematsu, M., and Nozaki, T. Metabolic profiling of the protozoan parasite *Entamoeba* revealed activation of unpredicted pathway during encystation. PLoS ONE 7, e37740, 2012. (10.1371/journal.pone.0037740
107. Mishra, V., Kumar, A., Ali, V., Nozaki, T., Zhang, K. Y., and Bhakuni, V. Novel protein-protein interactions between *Entamoeba histolytica* d-phosphoglycerate dehydrogenase and phosphoserine aminotransferase. Biochimie. 94, 1676-1686, 2012. (10.1016/j.biochi.2012.02.028)
108. Husain, A., Sato, D., Jeelani, G., Soga, T., and Nozaki, T. Dramatic increase in glycerol biosynthesis upon oxidative stress in the anaerobic protozoan parasite *Entamoeba histolytica*. PLoS Negl. Trop. Dis. 6, e1831, 2012. (10.1371/journal.pntd.0001831)
109. Klionsky D. J., et al. Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy 8, 445-544, 2012. (PMID: 22966490)
110. Jeelani, G., Husain, A., Sato, D., Soga, T., Suematsu, M., Nozaki, T.Biochemical and functional characterization of novel NADH kinase in the enteric protozoan parasite *Entamoeba histolytica*. Biochimie 95, 309-319, 2013. (10.1016/j.biochi.2012.09.034)
111. Makiuchi, T., Mi-ichi, F., Nakada-Tsukui, K., and Nozaki, T. Novel TPR-containing subunit of TOM complex functions as cytosolic receptor for *Entamoeba* mitosomal transport. Sci Rep 3, 1129, 2013. (10.1038/srep01129)
112. Furukawa, A., Nakada-Tsukui, K., and Nozaki, T. Cysteine protease-binding protein family 6 mediates the trafficking of amylases to phagosomes in the enteric protozoan *Entamoeba histolytica.* Inf. Immun. 81,1820-1829, 2013. (10.1128/IAI.00915-12)
113. Ali, V. and Nozaki, T. Iron sulfur clusters, their biosythesis and biological functions in protozoan parasites. Adv. Parasiol., 83, 1-92, 2013. (10.1016/B978-0-12-407705-8.00001-X)
114. Escueta- De Cadiz, A., Jeelani, G., Nakada-Tsukui, K., Caler, E., and Nozaki, T. Transcriptome analysis of encystation in *Entamoeba invadens*. PLoS One 8, e74840, 2013. (10.1371/journal.pone.0074840)

115. Ghosh, A., Karmakar S., Mukherjee, A. K., Raj, D., Das, K., Sarkar, S., Nozaki, T., and Ganguly, S. The spliceosamal protein snRNP F binds to both U3 and U14 class of snoRNA in *Giardia lamblia*. Glob J Biol Agri Health Sci 2: 178-184, 2013.
116. Biller, L., Matthiesen, J., Kuehne, V., Lotter, H., Handal, G., Nozaki, T., Saito-Nakano, Y, Schuemann, M., Roeder, T., Tannich, E., Krause, E., Bruchhaus, I. The cell surface proteome of *Entamoeba histolytica*. Mol Cell Proteomics. 13, 132-44, 2014 PMID: 24136294.
117. Makiuchi, T. and Nozaki, T. Highly divergent mitochondrion-related organelles in anaerobic parasitic protozoa. Biochimie 100, 3-17, 2014, doi: 10.1016/j.biochi.2013.11.018.
118. Raj, D., Ghosh, E., Mukherjee, A.K., Nozaki, T., and Ganguly, S. Differential gene expression in *Giardia lamblia* under oxidative stress: Significance in eukaryotic evolution. Gene. 535, 131-139, 2013. doi:pii: S0378-1119(13)01574-6. 10.1016/j.gene.2013.11.048.
119. Das, K., Mukherjee, A. K., Chowdhurya, P., Sehgal, R., Bhattacharya, M. K., Hashimoto, T., Nozaki, T., and Ganguly, S. Multilocus sequence typing system (MLST) reveals a significant association of *Entamoeba histolytica* genetic patterns with disease outcome. Parasitol. Int., 63, 308-314, 2014 doi: 10.1016/j.parint.2013.11.014.
120. Lee, Y. A., Nam, Y. H., Min, A., Kim, K. A., Nozaki, T., Saito-Nakano, Y., Mirelman, D., Shin, M.H. *Entamoeba histolytica*-secreted cysteine proteases induce IL-8 production in human mast cells via a PAR2-independent mechanism. Parasite. 21,1, 2014. doi: 10.1051/parasite/2014001.
121. Chandra, M., Mukherjee, M., Srivastava, V.K., Saito-Nakano, Y., Nozaki, T., Datta, S. Insights into GTP/GDP cycle of RabX3, a novel GTPase from *Entamoeba histolytica* with tandem G-domains. Biochemistry 53, 1191-1205, 2014. doi: 10.1021/bi401428f.
122. Hertz, R., Tovy, A., Kirschenbaum, M., Geffen, M., Nozaki, T., Adir, N., and Ankri, S. The *Entamoeba histolytica* Dnmt2 homolog (Ehmeth) confers resistance to nitrosative stress. Eukaryot Cell. 13, 494-503, 2014. doi: 10.1128/EC.00031-14.
123. Marumo, K., Nakada-Tsukui, K., Tomii, K., and Nozaki, T. Ligand heterogeneity of the cysteine protease binding protein family in the parasitic protist *Entamoeba histolytica*. Int. J. Parasitol. 44, 625-35 2014. doi: 10.1016/j.ijpara.2014.04.008.
124. Jeelani, G. and Nozaki, T. Metabolomic analysis of *Entamoeba*: applications and implications. Curr. Opin. Microbiol. 20C:118-124, 2014. doi: 10.1016/j.mib.2014.05.016.
125. Mukherjee, A. K., Chowdhury, P., Bhattacharya, M. K., Rajendran, K., Nozaki, T., and Ganguly. S. Association between *Giardia duodenalis* and co-infection with other diarrhea-causing pathogens in India. BioMed Res Int, Volume 2014, Article ID 786480, http://dx.doi.org/10.1155/2014/786480.
126. Valdés, J., Nozaki, T., Sato, E., Chiba, Y., Nakada-Tsukui, K., Villegas-Sepúlveda, N., Winkler, R., Azuara-Liceaga, E., Mendoza-Figueroa, M. S., Watanabe, N., Santos, H. J., Saito-Nakano, Y., Galindo-Rosales, J. M. Proteomic analysis of *Entamoeba histolytica* in vivo assembled pre-mRNA splicing complexes. J Proteomics. 111:30-45, 2014. doi: 10.1016/j.jprot.2014.07.027
127. Oki, M., Asai, S., Saito-Nakano, Y., Nakayama, T., Tanaka, Y., Tachibana, H., Ohmae, H., Nozaki, T. and Miyachi, H. A case of quadruple malaria infection imported from Mozambique to Japan. Am. J. Trop. Med. Hyg. 90, 1098-1101. doi: 10.4269/ajtmh.13-0477.
128. Anwar, S., Dikhit, M. R., Singh, K. P., Kar, R. K., Zaidi, A., Sahoo, G. C., Roy, A. K., Nozaki, T., Das, P., and Ali, V. Interaction between Nbp35 and Cfd1 proteins of cytosolic Fe-S cluster assembly reveals a stable complex formation in *Entamoeba histolytica*. PLoS One 9, e108971, 2014. doi: 10.1371/journal.pone.0108971.
129. Jeelani, G., Sato, D., Soga, T., Watanabe, H., Nozaki, T. Mass Spectrometric analysis of L-cysteine metabolism: physiological role and fate of L-cysteine in the enteric protozoan parasite *Entamoeba histolytica*. MBio. 5(6), e01995, 2014. doi: 10.1128/mBio.01995-14.
130. Itoh, K., Yagita, K., Nozaki, T., Katano, H., Hasegawa, H., Matsuo, K., Hosokawa, Y., Tando, S., Fushiki, S. An autopsy case of *Balamuthia mandrillaris* amoebic encephalitis, a rare emerging infectious disease, with a brief review of the cases reported in Japan. Neuropathology. 35(1):64-9, 2015. doi: 10.1111/neup.12151.
131. Lee, Y. A., Saito-Nakano, Y., Kim, K. A., Min, A., Nozaki, T., Shin, M. H. Modulation of endogenous cysteine protease inhibitor (ICP) 1 expression in *Entamoeba histolytica* affects amoebic adhesion to extracellular matrix proteins. Exp Parasitol. 149C:7-15, 2014. doi: 10.1016/j.exppara.2014.12.001.
132. Emmanuel, M., Saito-Nakano, Y, Nozaki, T., and Datta, S. Small GTPase Rab21 mediates Fibronectin induced actin reorganization in *Entamoeba histolytica*: implications in pathogen invasion. PLoS Pathog 11(3):e1004666, 2015. doi: 10.1371/journal.ppat.1004666.

133. Santos, H. J.,*, Imai, K.*, Makiuchi, T., Tomii, K., Horton, P., Nozawa, A., Ibrahim, M., Tozawa, Y., and Nozaki, T. A novel mitosomal β-barrel outer membrane protein in *Entamoeba*. Sci Rep 5:8545, 2015. doi: 10.1038/srep08545. (* equal contribution)
134. Penuliar, G. M., Nakada-Tsukui, K., and Nozaki, T. Phenotypic and transcriptional profiling in *Entamoeba histolytica* reveal costs to fitness and adaptive responses associated with metronidazole resistance. "Antimicrobials, Resistance and Chemotherapy", Front Microbiol, 6:354, 2015. doi: 10.3389/fmicb.2015.00354. eCollection.
135. Picazarri, K.,* Nakada-Tsukui, K.,* Tsuboi, K., Miyamoto, E., Watanabe, N., Kawakami, E., and Nozaki, T. Atg8 is involved in endosomal and phagosomal acidification in the parasitic protist *Entamoeba histolytica.* Cell Microbiol 17, 1510-1522, 2015 (* equal contribution) doi: 10.1111/cmi.12453
136. Mi-ichi, F.,# Miyamoto, T., Takao, S., Jeelani, G., Hashimoto, T., Hara, H., Nozaki, T.,# and Yoshida, H. *Entamoeba* mitosomes play an important role in encystation by association with cholesteryl sulfate synthesis. Proc Natl Acad Sci USA 112(22):E2884-90, 2015. doi: 10.1073/pnas.1423718112. (# correspondence) pii: 201423718.
137. Takeuchi, F., Sekizuka, T., Ogasawara, Y., Yokoyama, H., Kamikawa, R., Inagaki, Y., Nozaki, T., Sugita-Konishi, T., Ohnishi, T, and Kuroda, M. The mitochondrial genomes of a myxozoan genus *Kudoa* are extremely divergent in Metazoa. PLoS ONE 10(7):e0132030, 2015. doi: 10.1371/journal.pone.0132030. eCollection 2015.
138. Takeuchi, F., Ogasawara, Y., Kato, K., Sekizuka, T., Nozaki, T., Sugita-Konishi, Y., Ohnishi, T., and Kuroda, M. Development of nucleotide sequence typing for *Kudoa septempunctata*, a flounder parasite causing foodborne disease. J Fish Dis 39:667-72, 2015. doi:10.1111/jfd.12395..
139. Mishra, V., Kumar, A., Ali, V., Zhang, K.Y., and Nozaki, T. Characterization of pH-induced transitions of *Entamoeba histolytica* D-phosphoglycerate dehydrogenase. Int J Biol Macromol. 2015 79:284-289. doi: 10.1016/j.ijbiomac.2015.04.058. [Epub ahead of print]
140. Verma, K., Saito-Nakano, Y., Nozaki, T., and Datta, S. Insights into endosomal maturation of human holo-transferrin in the enteric parasite *Entamoeba histolytica*: essential roles of Rab7A and Rab5 in biogenesis of giant early endocytic vacuoles. Cell Microbiol. 17(12):1779-1796, 2015. doi: 10.1111/cmi.12470.
141. Mori, M., Jeelani, G., Masuda, Y., Sakai, K., Nakada-Tsukui, K., Waluyo, D., Tarwadi, Watanabe, Y., Nonaka, K., Matsumoto, A., Omura, S., Nozaki, T.#, and Shiomi, K.# Identification of natural inhibitors of *Entamoeba histolytica* cysteine synthase from microbial secondary metabolites. Front Microbiol. 6, 962, 2015. doi: 10.3389/fmicb.2015.00962 (# correspondence)
142. Chiba, Y., Kamikawa, R., Nakada-Tsukui, K, Saito-Nakano, Y., and Nozaki, T. Discovery of PPi-type phosphoenolpyruvate carboxykinase genes in eukaryotes and bacteria. J Biol Chem 290, 23960-23970, 2015. doi: 10.1074/jbc.M115.672907
143. Mi-ichi, F.*, Nozawa, A.*, Yoshida, H., Tozawa, Y.$^{\#}$, Nozaki, T.$^{\#}$ Evidence that *Entamoeba histolytica* mitochondrial carrier family links mitosomal and cytosolic pathways through exchange of PAPS and ATP. Eukaryot Cell 14(11):1144-1150, 2015 (*Equal first authors; $^{\#}$Double correspondence) doi: 10.1128/EC.00130-15.
143. Srivastava, V. K., Chandra, M., Saito-Nakano, Y., Nozaki, T., Datta, S. Crystal structure analysis of wild type and fast hydrolyzing mutant of EhRabX3, a tandem Ras superfamily GTPase from *Entamoeba histolytica*. J Mol Biol. 428(1):41-51, 2015 Nov 7. pii: S0022-2836(15)00624-5. doi: 10.1016/j.jmb.2015.11.003.
144. Santos, H. J., Imai, K., Hanadate, Y., Fukasawa, Y., Oda, T., Mi-ichi, F., and Nozaki, T. Screening and discovery of lineage-specific mitosomal membrane proteins in *Entamoeba histolytica.* Mol. Biochem. Parasitol. 209(1-2):10-17, 2016. doi: 10.1016/j.molbiopara.2016.01.001.
145. Jeelani, G. and Nozaki, T. *Entamoeba* thiol-based redox metabolism: a potential target for drug development. Mol. Biochem. Parasitol. 207(2):56-60, 2016. doi: 10.1016/j.molbiopara.2016.01.004.
146. Pineda, E., Vázquez, C., Encalada, R., Nozaki, T., Sato, E., Hanadate, Y., Néquiz, M, Olivos-García, A., Moreno-Sánchez, R., Saavedra, E. Roles of acetyl-CoA synthetase (ADP-forming) and acetate kinase (PPi-forming) in ATP and PPi supply in *Entamoeba histolytica.* Biochim. Biophys. Acta 1860(6):1163-1172, 2016. doi: 10.1016/j.bbagen.2016.02.010.
147. Hanadate, Y., Saito-Nakano, Y., Nakada-Tsukui, K., and Nozaki, T. Endoplasmic reticulum-resident Rab8A GTPase is involved in phagocytosis in the protozoan parasite *Entamoeba histolytica*. Cell Microbiol. 18(10):1358-73, 2016 doi: 10.1111/cmi.12570.
148. Ishikane, M., Arima, Y., Kanayama, A., Takahashi, T., Yamagishi, T., Yahata, Y., Matsui, T., Sunagawa, T., Nozaki, T., and Oishi, K. Epidemiology of domestically-acquired amebiasis in Japan, 2000-2013. Am. J. Trop. Med. Hyg. 94(5):1008-14, 2016. doi: 10.4269/ajtmh.15-0560

149. Verma, K., Nozaki, T., and Datta, S. Role of EhRab7A in phagocytosis of type 1 fimbriated *E. coli* by *Entamoeba histolytica*. Mol. Microbiol. 102:1043-1061, 2016. doi: 10.1111/mmi.13533. PMID:27663892
150. Chiba, Y., Makiuchi, T., Jeelani, G., and Nozaki, T. Heterogeneity of the serine synthetic pathway in *Entamoeba* species. Mol Biochem Parasitol. 207(2):56-60, 2016. doi:10.1016/j.molbiopara.2016.06.002.
151. Nakada-Tsukui, K. and Nozaki, T. Immune response of amebiasis and immune evasion by *Entamoeba histolytica*. Front Immunol. 7:175, 2016. doi: 10.3389/fimmu.2016.00175. Review.
152. Kobayashi, T., Watanabe, K., Yano, H., Murata, Y., Igari, T., Nakada-Tsukui, K., Yagita, K., Nozaki, T., Kaku, M., Tsukada, K., Gatanaga, H., Kikuchi, Y., Oka, S. Underestimated amoebic appendicitis among HIV-1-infected individuals in Japan. J Clin Microbiol. 55:313-320, 2016. doi: 10.1128/JCM.01757-16. PMID:27847377.
153. Kazama, M., Ogiwara, S., Makiuchi, T., Yoshida, K., Nakada-Tsukui, K., Nozaki, T., Tachibana H. Behavior of DNA-lacking mitochondria in *Entamoeba histolytica* revealed by organelle transplant. Sci Rep. 7:44273, 2017. doi: 10.1038/srep44273. PMID:28287148
154. Sato, D., Shiba, T., Karaki, T., Yamagata, W., Nozaki, T., Nakazawa, T., Harada, S. X-Ray snapshots of a pyridoxal enzyme: a catalytic mechanism involving concerted [1,5]-hydrogen sigmatropy in methionine γ-lyase. Sci Rep. 7(1):4874, 2017. doi: 10.1038/s41598-017-05032-6. PMID:28687762
155. Somlata, Nakada-Tsukui, K., Nozaki, T. AGC family kinase1 participates in trogocytosis but not in phagocytosis in *Entamoeba histolytica.* Nat Commun 8 (1),101. doi: 10.1038/s41467-017-00199-y
156. Kawano, T., Imada, M., Chamavit, P., Kobayashi, S., Hashimoto, T., and Nozaki, T. Genetic diversity of *Entamoeba*: novel ribosomal lineages from cockroaches. PLoS One 12(9):e0185233. doi: 10.1371/journal.pone.0185233.
157. Srivastava VK, Yadav R, Natsuki W, Tomar P, Mukherjee M, Gourinath S, Nakada-Tsukui K, Nozaki T, Datta S. Structural and thermodynamic characterization of metal binding in Vps29 from *Entamoeba histolytica*: Implication in retromer function. Mol Microbiol. 2017 Sep 12. doi: 10.1111/mmi.13836.
158. Yamasaki H, Izumiyama S, Nozaki T. Complete sequence and characterization of the mitochondrial genome of Diphyllobothrium stemmacephalum, the type species of genus Diphyllobothrium (Cestoda: Diphyllobothriidae), using next generation sequencing. Parasitol Int. 2017 66(5):573-578. doi: 10.1016/j.parint.2017.06.005.
159. Makiuchi, T., Santos, H., Tachibana, H., Nozaki, T. Hetero-oligomer of dynamin-related proteins participates in the fission of highly divergent mitochondria from *Entamoeba histolytica*. Sci Rep 7:13439, 2017. doi: 10.1038/s41598-017-13721-5.
160. Jeelani, G., Sato, D., Soga, T., Nozaki, T. Genetic, metabolomic and transcriptomic analyses of the de novo L-cysteine biosynthetic pathway in the enteric protozoan parasite *Entamoeba histolytica*. Sci Rep. 7:15649, 2017. doi: 10.1038/s41598-017-15923-3.
161. Andrabi SBA, Tahara M, Matsubara R, Toyama T, Aonuma H, Sakakibara H, Suematsu M, Tanabe K, Nozaki T, Nagamune K. Plant hormone cytokinins control cell cycle progression and plastid replication in apicomplexan parasites. Parasitol Int. 2018 Feb;67(1):47-58. doi: 10.1016/j.parint.2017.03.003.
162. Hartuti, E. D., Inaoka, D. K., Komatsuya, K., Miyazaki, Y., Miller, R. J., Xinying, W., Sadikin, M., Prabandari, E. E., Waluyo, D., Kuroda, M., Amalia, E., Matsuo, Y., Nugroho, N. B., Saimoto, H., Pramisandi, A., Watanabe, Y. I., Mori, M., Shiomi, K., Balogun, E. O., Shiba, T., Harada, S., Nozaki, T., Kita, K.Biochemical studies of membrane bound *Plasmodium falciparum* mitochondrial L-malate:quinone oxidoreductase, a potential drug target. Biochim Biophys Acta. 2017 Dec 18;1859(3):191-200. doi: 10.1016/j.bbabio.2017.12.004.
163. Nakada-Tsukui, K., Sekizuka, T., Sato-Ebine, S., Escueta-de Cadiz, A., Ji, D., Tomii, K., Kuroda, M., Nozaki, T. AIG1 affects in vitro and in vivo virulence in clinical isolates of *Entamoeba histolytica*. PLoS Pathog, 14(3):e1006882, 2018. doi: 10.1371/journal.ppat.1006882.
164. Nurkanto, A., Jeelani, G., Yamamoto, T., Naito, Y., Hishiki, T., Mori, M., Suematsu, M., Shiomi, K., Hashimoto, T. Nozaki, T. Characterization and validation of *Entamoeba histolytica* pantothenate kinase as a novel anti-amebic drug target. International Journal for Parasitology: Drugs and Drug Resistance, 8(1):125-136, 2018. doi: 10.1016/j.ijpddr.2018.02.004

C. 英文書籍

1. Chung Chau Hon, Kumiko Nakada-Tsukui, Tomoyoshi Nozaki and Nancy Guillén. Dissecting the Actin Cytoskeleton of *Entamoeba histolytica* from a Genomic Perspective. In "Anaerobic Parasitic Protozoa: Genomics and Molecular Biology" Editted by C. Graham Clark, Patricia J. Johnson and Rodney D. Adam. Caister Academic Press, ISBN: 978-1-904455-61-5, 2010.

2. Kumiko Nakada-Tsukui and Tomoyoshi Nozaki. Genomic and post-genomic approaches to understand the pathogenesis of the enteric protozoan parasite *Entamoeba histolytica*. In "Genomes of Food- and Water-borne Pathogens" Editted by Pina Fratamico, Sophia Kathariou, and Yanhong Liu. ASM Press, Washington, D.C. ISBN: 978-1-55581-457-1, 2011.

3. Mukherjee AK, Chowdhury P, Bhattacharya MK, Gool TV, Nozaki T and Ganguly S. TFT a novel stool collection procedure for enhanced microscopical detection of enteric parasites: First trial among parasite burden population in Kolkata. Book Chapter in Microscopy - Science Technology Applications and Education (MICROSCOPY BOOK SERIES - Number 4), Chapter 295. Published by Formatex, Spain, 2011.

4. Ghulam Jeelani, Dan Sato, and Tomoyoshi Nozaki. Metabolomic analysis of *Entamoeba* biology. In "Amebiasis: Biology and Pathogenesis of *Entamoeba*" Edited by Tomoyoshi Nozaki and Alok Bhattacharya. pp 331-349, Springer, 2015, ISBN 978-4-431-55199-7.

5. Takashi Makiuchi, Fumika Mi-ichi, and Tomoyoshi Nozaki. Mitosomes in *Entamoeba histolytica.* In "Amebiasis: Biology and Pathogenesis of *Entamoeba*" Edited by Tomoyoshi Nozaki and Alok Bhattacharya. pp 305-327, Springer, 2015, ISBN 978-4-431-55199-7.

6. Kumiko Nakada-Tsukui, and Tomoyoshi Nozaki. Molecular basis of the trafficking of cysteine proteases and other soluble lysosomal proteins in *Entamoeba histolytica.* In "Amebiasis: Biology and Pathogenesis of *Entamoeba*" Edited by Tomoyoshi Nozaki and Alok Bhattacharya. pp 279-304, Springer, 2015, ISBN 978-4-431-55199-7.

7. Shigehiro Enkai, Kimitoshi Sakamoto, Miho Kaneko, Hirokazu Kouguchi, Takao Irie, Kinpei Yagi, Yuka Ishida, Jun Matsumoto, Yuzaburo Oku, Ken Katakura, Osamu Fujita, Tomoyoshi Nozaki and Kiyoshi Kita. Medical Treatment of Echinococcus multilocularis and New Horizons for Drug Discovery: Characterization of Mitochondrial Complex II as a Potential Drug Target."Echinococcosis", edited by Tonay Inceboz, ISBN 978-953-51-3592-0, Print ISBN 978-953-51-3591-3, Published: November 15, 2017 under CC BY 3.0 license.

C. 和文総説・論文（1998 年以降のみ）

1. 野崎智義、竹内勤　（1998）　シャーガス病　The Current Clinical Technologist 3 巻 4 号　21.

2. 野崎智義　（1999）トリパノソーマ症の生物学、疫学、臨床および治療　感染症とその治療　最新医学 54 巻 6 月増刊号　278-288.

3. 野崎智義　（2000）赤痢アメーバの病原性因子の分子論的理解　現代医療 32 巻増刊 II 号　1280-1284.

4. 野崎智義　（2000）エコロジーと新興感染症　医学のあゆみ 195(13): 1082-1083.

5. 野崎智義、竹内勤　(2002)　寄生性原虫における硫黄含有アミノ酸生合成・分解経路-新しい抗原虫感染システイン合成酵素方薬剤の開発標的-　蛋白質核酸酵素　共立出版 47(1):21-29.

6. 野崎智義　（2002）　アメーバ症　小児科診療　診断と治療社　第 65 巻, 12 号, 2132-2135.

7. 野崎智義　（2003）　赤痢アメーバのゲノムと病原遺伝子　細胞工学　第 22 巻, 11 号, 1160-1163.

8. 野崎智義　（2003）　話題の抗微生物薬をめぐって　赤痢アメーバ症　臨床と微生物　第 30 巻, 631-636.

9. 野崎智義　(2005)　アミノ酸代謝をめぐる寄生虫とヒトの戦いー赤痢アメーバ原虫とヒト宿主の含硫アミノ酸代謝と創薬ー　医学のあゆみ 212, 233-239.

10. 野崎智義　(2005)　赤痢アメーバ症　化学療法の領域　21, 89-96.

11. 野崎智義、中野由美子　(2006)　寄生虫への進化：驚くべき寄生虫のメンブレントラフィック　細胞工学 25, 672-676.

12. 野崎智義　(2006)　クリプトスポリジウム症とイソスポラ症　化学療法の領域　22, 1225-1229.

13. 野崎智義　(2006)　赤痢アメーバ症　G. I. Research 14, 325-329.

14. 野崎智義　(2007)　クリプトスポリジウム症 in 注目される感染症：診断と治療の進歩　日本内科学雑誌　96, 2413-2417.

15. 津久井久美子、野崎智義 (2009) 腸管寄生性原虫の小胞輸送ー病原機構における役割　実験医学 27, 1548-1556.

16. 佐藤暖、野崎智義 (2010) 赤痢アメーバ原虫に対するトリフルオロメチオニン誘導体の有効性 ビタミン 84, 250-254.

17. 牧内貴志, 野崎智義 (2014) 酸素がないっ！ そのときミトコンドリアは？ミトコンドリア極限進化モデル：赤痢アメーバ in 細胞進化の証人たち：細胞進化モデル生物図鑑 第 5 回 細胞工学 33 (3), 2014

18. 野崎智義 (2014) 寄生虫の代謝は full of surprise —赤痢アメーバの代謝機構　in 驚愕の代謝システム　メタボロームの階層から解き明かす疾患研究の新たなステージ　末松誠、杉浦悠毅編、実験医学、羊土社、32 (15)、pp2462-2466

19. 野崎智義 (2015) 動物との接触・飲料水等を介した寄生虫症 in 野外活動と感染症 化学療法の領域、医薬ジャーナル 31 (5) , pp800-807, 2015

20. 野崎智義 (2015) 寄生虫（赤痢アメーバ症）感染制御の最前線　救急領域のベストプラクティス　IV 感染制御に注意を要する病原体　緊急医学　へるす出版　39(10), 1404-1405, 2015.

21. 有阪高洋、河合覚、津久井久美子、野崎智義、平石秀幸、千種雄一　大腸内視鏡検査により診断のついたアメーバ大腸炎一例　Clin Parasitol 26 (1), 100-103, 2015.

22. 野崎智義 (2015) 赤痢アメーバ感染症− オルガネラ進化の多様性をみせるすばらしき生物モデル− 感染症 Hot Topics〜新興再興感染症を中心に　感染症　いま何が起きているのか　33(17), 2752-2756, 2015、実験医学　羊土社

23. 牧内貴志、野崎智義 (2016) ミトコンドリアの多様な進化— 赤痢アメーバマイトソームから見えるミトコンドリアのタンパク質輸送と代謝の進化 真核細胞の共生由来オルガネラ研究最前線 広がり続ける多様性と機能　70(2), 93-98, 2016、生物の科学　遺伝　エヌ・ティー・エス

24. 野崎智義 (2017) 原虫の特殊代謝経路を標的とした国際共同創薬研究、化学療法の領域 33, 438-445, 2017, 医薬ジャーナル社

25. 津久井久美子、野崎智義 (2017) 寄生性原虫におけるオートファジーの多様性、The オートファジー研究者たちの集大成が見える最新ビジュアルテキスト、水島 昇, 吉森 保／編、実験医学増刊 Vol.35 No.15、pp151-160、羊土社、ISBN 978-4-7581-0365-7

C. 和文書籍（1998 年以降のみ）

1. 野崎智義 （2001-2015） 医師が念頭におくべき輸入感染症の世界分布 in 今日の治療指針 医学書院 pp27-29.

2. 野崎智義 （2003） アメーバ赤痢 in 動物由来感染症 その診断と対策 神山恒夫・山田章雄編 真興交易、pp244-249.

3. 野崎智義 (2004) 寄生虫・原虫で起こる感染症（アメーバ赤痢、マラリア、トキソプラズマ症、ジアルジア症、カラアザール、クリプトスポリジア症、ニューモシスチス・カリニ肺炎）in 家庭医学大全科 法研, pp2756-2763.

4. 野崎智義 (2005) 原虫症・寄生虫症 in ネオエスカ 感染症・アレルギーと生体防御 同文書院

5. 野崎智義 (2009) アメーバ赤痢（赤痢アメーバ症）in ズーノシスハンドブック 医療関係者・獣医療関係者のための診断・治療ガイド Medical Science 社、96-98.

6. 野崎智義 (2013) 原虫疾患（マラリア、赤痢アメーバ症、ジアルジア症、トキソプラズマ症、トリコモナス症、リーシュマニア症、トリパノソーマ症、クリプトスポリジウム・サイクロスポーラ症）. In 内科学 第 10 版、朝倉書店、矢崎義雄編、pp349-359.

7. 見市文香, 野崎智義 (2013) 赤痢アメーバマイトソームの精製方法 in 寄生虫学研究 材料と方法 2013 年版、浅川満彦編、三恵社、pp ??-?? ISBN978-4-86487-137-2

8. 津久井久美子, 小林正規, 野崎智義 (2013) アメーバ肝膿瘍動物モデル in 寄生虫学研究 材料と方法 2013 年版、浅川満彦編、三恵社、pp ??-?? ISBN978-4-86487-137-2

9. 牧内貴志, 橘 裕司, 野崎智義 (2013) 赤痢アメーバ原虫の形質転換株の樹立法 in 寄生虫学研究 材料と方法 2013 年版、浅川満彦編、三恵社、pp ??-?? ISBN978-4-86487-137-2

10. 佐藤映美, 野崎智義 (2013) 赤痢アメーバの間接蛍光抗体法による観察法 in 寄生虫学研究 材料と方法 2013 年版、浅川満彦編、三恵社、pp ??-?? ISBN978-4-86487-137-2

11. 小林正規, 津久井久美子, 野崎智義 (2014) 赤痢アメーバ分離培養株の樹立 in 寄生虫学研究 材料と方法 2013 年版、高宮信三郎編、三恵社、2014 年 ISBN78-4-86487-353-6