

Name: Kiyoshi KITA

Oct 25, 2012

Address: Department of Biomedical Chemistry

Graduate School of Medicine, The University of Tokyo

7-3-1, Hongo, Bunkyo-ku, Tokyo 113-0033 Japan

Tel: +81-3-5841-3526

Fax: +81-3-5841-3444

E-mail: kitak@m.u-tokyo.ac.jp

Employed by: The University of Tokyo

(Department of Biomedical Chemistry, Graduate School of Medicine)

Position: Professor

Education: University --- The University of Tokyo

(Bachelor of Pharmaceutical Science)

March 1974

Ph. D --- The University of Tokyo (Doctor of Pharmaceutical Science)

March 1980

Position held: 1980 - 1983 Assistant Professor of The University of Tokyo

(Department of Botany, Faculty of Science)

1983 - 1987 Assistant Professor of Juntendo University

(Department of Parasitology, School of Medicine)

1987 - 1990 Lecturer of Juntendo University

(Department of Parasitology, School of Medicine)

1991 - 1998 Associate Professor of The University of Tokyo

(Department of Parasitology, The Institute of Medical Science)

1998 - Professor of The University of Tokyo

(Department of Biomedical Chemistry, Graduate School of Medicine)

2011- Vice Dean of Graduate School of Medicine,
The University of Tokyo

2002-2007: Treasurer of FAOBMB (2002-2007).

2002-2006: Associate editor of Journal of Biochemistry

1994-1996, 2010-: Eexecutive board of Japanese Society of Tropical Medicine

2003-2006: President of Japanese Society of Parasitologist

2009-2011: President of Japanese Biochemical Society

References in 2012

1. Orexin 2 receptor as a potential target for the immunotoxin and antibody-drug conjugate cancer therapy. Kishida, M., Ishige, K., Horibe, T., Tada, N., Koibuchi, N., Shoda, J., Kita, K. and Kawakami, K. (2012) **Oncology Lett.** 3, 525-529.
2. Critical importance of the *de novo* pyrimidine biosynthesis pathway for *Trypanosoma cruzi* growth in the mammalian host cell cytoplasm. Hashimoto, M., Morales, J., Fukai, Y., Suzuki, S., Takamiya, S., Tsubouchi, A., Inoue, S., Inoue, M., Kita, K., Harada, S., Tanaka, A., Aoki, T. and Nara, T. (2012) **Biochem. Biophys. Res. Commun.** 417, 1002-1006
3. Molecular interaction of the first 3 enzymes of the *de novo* pyrimidine biosynthetic pathway of *Trypanosoma cruzi*. Nara, T., Hashimoto, M. Hirawake, H., Liao, C-W., Fukai, Y., Suzuki, S., Tsubouchi, A., Morales, J., Takamiya, S., Fujimura, T., Taka, H., Mineki, R., Fan, C-K., Inaoka, D. K., Inoue, M., Tanaka, A., Harada, S., Kita, K. and Aoki, T. (2012) **Biochem. Biophys. Res. Commun.** 418, 140-143
4. Age-related changes in the activities of respiratory chain complexes and mitochondrial morphology in *Drosophila*. Oda, Y., Yui, R., Sakamoto, K., Kita, K. and Matsuura, E. T. (2012) **Mitochondrion**, 12, 345-351
5. An anticancer agent, pyrvinium pamoate inhibits the NADH-fumarate reductase system –a unique mitochondrial metabolism in tumor microenvironments. Tomitsuka, E., Kita, K. and Esumi, H. (2012) **J. Biochem.**, 152, 171-183
6. Crystal structure of mitochondrial quinol-fumarate reductase from the parasitic

- nematode *Ascaris suum*. Shimizu, H., Osanai, A., Sakamoto, K., Inaoka, D. K., Shiba, T., Harada, S. and Kita, K. (2012) **J. Biochem.** 151, 589-592
7. Critical roles of the mitochondrial complex II in oocyst formation of rodent malaria parasite *Plasmodium berghei*. Hino, A., Hirai, M., Tanaka, Q. T., Watanabe, Y., Matsuoka, H. and Kita, K. (2012) **J. Biochem.** 152, 259-268
 8. Towards understanding the role of mitochondrial complex II in the intraerythrocytic stages of *Plasmodium falciparum*: gene targeting of the Fp subunit. Tanaka, Q. T., Hirai, M., Watanabe, Y. and Kita, K. (2012) **Parasitol. Int.** 61, 726-728
 9. *Plasmodium cynomolgi* genome sequences provide insight into *Plasmodium vivax* and the monkey malaria clade. Tachibana, S., Sullivan, S.A., Kawai, S., Nakamura, S., Kim, H.R., Goto, N., Arisue, N., Palacpac, N.M.Q., Honma, H., Yagi, M., Tougan, T., Katakai, Y., Kaneko, O., Mita, T., Kita, K., Yasutomi, Y., Sutton, P.L., Shakhbatyan, R., Horii, T., Yasunaga, T., Barnwell, J.W., Escalante, A.A., Carlton, J.M. and Tanabe K. (2012) **Nature Genetics**, 44, 1051-1055
 10. Autophagy-related Atg8 localizes to the apicoplast of the human malaria parasite *Plasmodium falciparum*. Kitamura, K., Kishi-Itakura, C., Tsuboi, T., Sato, S., Kita, K., Ohta, N. and Mizushima, N. (2012) **PLoS ONE** 7(8), e42977
 11. Parasite complex II: unique characteristics and potential as drug targets. Harada, S., Inaoka, D. K., Ohmori, J. and Kita, K. (2012) **Biochim. Biophys. Acta (Bioenergetics)**, in press