

Ken Pang Publications from postgraduate studies at LICR:

*First author publications (** denotes shared first authorship)*

1. **Pang, K.C.****, Stephen, S.**, Dinger, M.E., Engstrom, P.G., Lenhard, B., and Mattick, J.S. RNADB 2.0 – an expanded database of mammalian noncoding RNAs. *Nucleic Acids Res* 35, D178-82 (2007).
2. **Pang KC**. Junk DNA? What a load of rubbish! *Australasian Science*. 28(10): 16-8 (2007).
3. **Pang, K.C.**, Sanders, M.T., Monaco, J.J., Turner, S.J., Doherty, P.C. and Chen, W. Immunoproteasome subunit deficiencies impact differentially upon antigen presentation of immunodominant CD8+ T cell epitopes and their responding T cell repertoires following viral infection. *J Immunol* 177, 7680-7688 (2006).
4. **Pang, K.C.****, Frith, M.C.** and Mattick, J.S. Rapid evolution of noncoding RNAs: lack of conservation does not mean lack of function. *Trends Genet* 22, 1-5 (2006).
5. Furuno, M.**, **Pang, K.C.****, Ninomiya, N., Fukuda, S., Frith, M.C., Bult, C., Mattick, J.S. and Suzuki, H. Clusters of internally-primed transcripts reveal novel long noncoding RNAs. *PLoS Genetics* 2, 537-53 (2006).
6. Ravasi, T.**, Suzuki, H.**, **Pang, K.C.****, Katayama, S.**, Furuno, M.**, Okunishi, R., Fukuda, S., Ru, K., Frith, M.C., Gongora, M.M., Grimmond, S.M., Hume, D.A., Hayashizaki, Y. and Mattick, J.S. Experimental validation of the regulated expression of large numbers of non-coding RNAs from the mouse genome. *Genome Res* 16, 11-9 (2006).
7. **Pang, K.C.**, Wei, J.Q. and Chen, W. Dynamic quantification of MHC class I-peptide presentation to CD8+ T cells via intracellular cytokine staining. *J Immunol Methods*, (2006).
8. **Pang, K.C.**, Stephen, S., Engstrom, P.G., Tajul-Arifin, K., Chen, W., Wahlestedt, C., Lenhard, B., Hayashizaki, Y. and Mattick, J.S. RNADB--a comprehensive mammalian noncoding RNA database. *Nucleic Acids Res* 33, D125-30 (2005).

Minor author publications

9. Van den Eynde, BJ, Pang, KC, Chen, W. Tumour Antigens Recognized by T Lymphocytes. *Encyclopedia of Life Sciences*. DOI: 10.1002/9780470015902.a0001431. pub2 (2007).
10. La Gruta, N.L., Kedzierska, K., **Pang, K.**, Webby, R., Davenport, M., Chen, W., Turner, S.J. and Doherty, P.C. A virus-specific CD8+ T cell immunodominance hierarchy determined by antigen dose and precursor frequencies. *Proc Natl Acad Sci U S A* 103, 994-9 (2006).
11. Frith, M.C., Forrest, A.R., Nourbakhsh, E., **Pang, K.C.**, Kai, C., Kawai, J., Carninci, P., Hayashizaki, Y., Bailey, T.L. and Grimmond, S. The Abundance of Short Proteins in the Mammalian Proteome. *PLoS Genetics* 2, 515-528 (2006).
12. Carninci, P., Kasukawa, T., Katayama, S., Gough, J., Frith, M.C., Maeda, N., Oyama, R., Ravasi, T., Lenhard, B., Wells, C., Kodzius, R., Shimokawa, K., Bajic, V.B., Brenner, S.E., Batalov, S., Forrest, A.R., Zavolan, M., Davis, M.J., Wilming, L.G., Aidinis, V., Allen, J.E., Ambesi-Impiombato, A., Apweiler, R., Aturaliya, R.N., Bailey, T.L., Bansal, M., Baxter, L., Beisel, K.W., Bersano, T., Bono, H., Chalk, A.M., Chiu, K.P., Choudhary, V., Christoffels, A., Clutterbuck, D.R., Crowe, M.L., Dalla, E., Dalrymple, B.P., de Bono, B., Della Gatta, G., di Bernardo, D., Down, T., Engstrom, P., Fagiolini, M., Faulkner, G., Fletcher, C.F., Fukushima, T., Furuno, M., Futaki, S., Gariboldi, M., Georgii-Hemming, P., Gingeras, T.R., Gojobori, T., Green, R.E., Gustincich, S., Harbers, M., Hayashi, Y., Hensch, T.K., Hirokawa, N., Hill, D., Huminiacki, L., Iacono, M., Ikeo, K., Iwama, A., Ishikawa, T., Jakt, M., Kanapin, A., Katoh, M., Kawasawa, Y., Kelso, J., Kitamura, H., Kitano, H., Kollias, G., Krishnan, S.P., Kruger, A., Kummerfeld, S.K., Kurochkin, I.V., Lareau, L.F., Lazarevic, D., Lipovich, L., Liu, J., Liuni, S., McWilliam, S., Madan Babu, M., Madera, M., Marchionni, L., Matsuda, H., Matsuzawa, S., Miki, H., Mignone, F., Miyake, S., Morris, K., Mottagui-Tabar, S., Mulder, N., Nakano, N., Nakauchi, H., Ng, P., Nilsson, R., Nishiguchi, S., Nishikawa, S., Nori, F., Ohara, O., Okazaki, Y., Orlando, V., **Pang, K.C.**, Pavan, W.J., Pavesi, G., Pesole, G., Petrovsky, N., Piazza, S., Reed, J., Reid, J.F., Ring, B.Z., Ringwald, M., Rost, B., Ruan, Y., Salzberg, S.L., Sandelin, A., Schneider, C., Schonbach, C., Sekiguchi, K., Semple, C.A., Seno, S., Sessa, L., Sheng, Y., Shibata, Y., Shimada, H., Shimada, K., Silva, D., Sinclair, B., Sperling, S., Stupka, E., Sugiura, K., Sultana, R., Takenaka, Y., Taki, K., Tammoja, K., Tan, S.L., Tang, S., Taylor, M.S., Tegner, J., Teichmann, S.A., Ueda, H.R., van Nimwegen, E., Verardo, R., Wei, C.L., Yagi, K., Yamanishi, H., Zabarovsky, E., Zhu, S., Zimmer, A., Hide, W., Bult, C., Grimmond, S.M., Teasdale, R.D., Liu, E.T., Brusic, V., Quackenbush, J., Wahlestedt, C., Mattick, J.S., Hume, D.A., Kai, C., Sasaki, D., Tomaru, Y., Fukuda, S., Kanamori-Katayama, M., Suzuki, M., Aoki, J., Arakawa, T., Iida, J., Imamura, K., Itoh, M., Kato, T., Kawaji, H., Kawagashira, N., Kawashima, T., Kojima, M.,

- Kondo, S., Konno, H., Nakano, K., Ninomiya, N., Nishio, T., Okada, M., Plessy, C., Shibata, K., Shiraki, T., Suzuki, S., Tagami, M., Waki, K., Watahiki, A., Okamura-Oho, Y., Suzuki, H., Kawai, J. and Hayashizaki, Y. The transcriptional landscape of the mammalian genome. *Science* 309, 1559-63 (2005).
13. Katayama, S., Tomaru, Y., Kasukawa, T., Waki, K., Nakanishi, M., Nakamura, M., Nishida, H., Yap, C.C., Suzuki, M., Kawai, J., Suzuki, H., Carninci, P., Hayashizaki, Y., Wells, C., Frith, M., Ravasi, T., **Pang, K.C.**, Hallinan, J., Mattick, J., Hume, D.A., Lipovich, L., Batalov, S., Engstrom, P.G., Mizuno, Y., Faghihi, M.A., Sandelin, A., Chalk, A.M., Mottagui-Tabar, S., Liang, Z., Lenhard, B. and Wahlestedt, C. Antisense transcription in the mammalian transcriptome. *Science* 309, 1564-6 (2005).
14. Chen, W., **Pang, K.**, Masterman, K.A., Kennedy, G., Basta, S., Dimopoulos, N., Hornung, F., Smyth, M., Binnik, J.R. and Yewdell, J.W. Reversal in the Immunodominance Hierarchy in Secondary CD8+ T Cell Responses to Influenza A Virus: Roles for Cross-Presentation and Lysis-Independent Immunodomination. *J Immunol* 173, 5021-5027 (2004).