

## Publications 1997-2000

### Ingemar Ernberg Group

Falk, K., Zou, Jie-Zhi, Lucht, E., Linde, A., Ernberg, I (1997). Direct identification by PCR of EBV subtypes and variants in clinical samples. *J. Med.Virol.* 51, 355-363.

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Szeles, A., Falk, K.I., Imreh, S and Klein, G. Visualization of alternative EBV expression programs by FISH at the cell level. *J.Virology.* 73: 5064-5069 (1999).

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Holmgren.L., Szeles, A., Rajnavšlgyi, E., Folkman, J., Klein, G., Ernberg, I., Falk, K. (1999). Horizontal transfer by the uptake of apoptotic bodies. *Blood*, 11, 3956-3963

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Ehlin-Henriksson, B., Zou, J,-Z., Klein, G. And Ernberg, I. (1999) Epstein-barr virus genomes are found predominantly in IgA-positive B cells in the blood of healthy carriers. *Int. J. Cancer* 83, 50-54.

Ernberg, I. Burkitt's lymphoma and malaria. In *Malaria* (Ed. M

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Zabarovsky, E.R., Gizatullin, R., Padowski, R.M., Zabarovska, V.V., Xe, L., Muravenko, O.V., Kozyrev, S., Petrenko, L., Skobeleva, N., Li, Jingfeng, Protopov, A., Kashuba, V., Ernberg, I., Winberg, G., Wahlestedt, C. (2000), NotI clones in the analysis of the human genome. *Nucl Acids Res*, 28, 7, 1635-1639.

Zabarovska, V.V., , Li, Jingfeng, Muravenko, O., Fedorova, L., Braga, E., Ernberg, I., Wahlestedt, C., Klein, G., Zabarovsky, E.R. (2000). CIS-cloning of identical sequences between two complex genomes. *Chromosome Research* 8, 77-84.

Johnson., R.L., Stak, M., Hazlewood, S.A., Honess, M., Blackmore, C.G., Hu, L-F., and Rowe, M. (1998) The 30 bp deletion in Chinese variants of the Epstein-Barr virus LMP1 gene is not the major effector of functional differences between LMP 1 variants in human lymphocytes. *Virology*, in press.

### **Academic theses**

Friis, A.M.C. (1997). Epstein-Barr virus infection in the immunosuppressed: increased number of infected cells and genetic variation. Licentiat thesis, Karolinska Institutet, KI repro, 1-53.

Falk, K. (1997). Epstein-Barr virus gene methylation and variation in latency. Academic thesis, Karolinska Institutet, Repro Print, Stockholm, 1-41.

Berneström, J. (2000). A method for identification of transcription factors involved in the latent replication of Epstein-Barr virus. Biomedicine Report, Karol Inst.

### **Manuscripts**

Gosta Winberg<sup>1</sup>, Liudmila Matskova<sup>1</sup>, Fu Chen<sup>1</sup>, Gerald Gish<sup>2</sup>, Robert Ingham<sup>2</sup>, Ingemar Ernberg<sup>1</sup>, and Tony Pawson<sup>2,3,\*</sup>The LMP2A protein of Epstein-Barr virus binds WW domain E3 protein-ubiquitin ligases that ubiquitinate B cell tyrosine kinases.

Shao, J.-Y., Huan, X.-M., Yu, X.-J., Huang, L.X., Wu, Q.L., Xia, J.-C., Wang, H.-Y., feng, Q.-S., Ernberg, I., Hu, L.-F., Zeng, Y.-X. Genetic alteration in Nasopharyngeal carcinoma: Loss of heterozygosity, Epstein-Barr virus Infection and clinical outcomes.

Shao, J.-Y., Wang, H.-Y., Huang, X.-M., Feng, Q.-S., Huang, P., Feng,

B.J., Huang, L.X., Yu, X.-J., Li, J.-T., Hu, L.-F., Ernberg, I., Zeng, Y.-X. Alleloptype specific analysis of sporadic primary Nasopharyngeal carcinoma.

Matskova, L., Ernberg, I., Pawson, T. Winberg, G. Acylation, raft microdomain localization and a C-terminal clustering motif in the EBV LMP2a protein.

Friis, A.C.M, Katarina Gyllensten<sup>1</sup>), Börjekerlund<sup>1</sup>), Anna Aleman, and Ingemar Ernberg\* Epstein-Barr virus (EBV) genome load in HIV-1 positive patients with documented asymptomatic infection longer than 10 years and documented symptomatic seroconversion

Friis, Anna M.C. , Anna Aleman, Jan Albert<sup>1</sup>), Börjekerlund<sup>2</sup>), Viveca Holmberg<sup>3</sup>), and Ingemar Ernberg\* Increased frequency of Epstein-Barr virus (EBV) genomes in B lymphocytes from HIV-1 infected patients as detected by semi-quantitative, nested PCR Friis,

Anna M.C. , Börjekerlund<sup>1</sup>),, Gšran Bratt<sup>2</sup>),, Anna Aleman, Eric Sandström<sup>2</sup>), and Ingemar Ernberg\* Epstein-Barr virus (EBV) genome load in HIV-1 positive patients is affected by rgp-160 vaccination or prehistory of symptoms upon primary infection