



**The Chinese University of Hong Kong**  
**Non-confidential Abstract of Technology Disclosure**

---

**Title:**

**A Method for the Detection of Chromosomal Aneuploidies**

**CUHK Ref. No.:**

04/MED/181

**Inventor(s):**

Professor Dennis Yuk Ming LO, Department of Chemical Pathology

**Patent Status:**

- ◆ Taiwanese Patent Pending
- ◆ US Patent Pending
- ◆ PCT Application Filed

**Non-confidential abstract:**

The non-invasive detection of fetal chromosomal aneuploidies is demonstrated. Alleles of fetal RNA-SNPs present in a biological sample (e.g. maternal blood) containing fetal RNA are detected and quantified in order to determine the ratio of the alleles. This ratio is compared to a standard control consisting of euploid fetuses. Deviation of allele ratio indicates the presence of chromosomal aneuploidy.

---

**For further queries, please contact:**

Mr Billy Lam  
Technology Licensing Coordinator  
*Tel:* (852) 2609 8882  
*Fax:* (852) 2603 5451  
*Email:* [billylam@cuhk.edu.hk](mailto:billylam@cuhk.edu.hk)

*Address:*  
Technology Licensing Office  
The Chinese University of Hong Kong  
Room 226, Pi Ch'iu Bldg, Shatin, New Territories  
Hong Kong SAR