

# Curriculum Vitae



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## Working Experience

**04/2013-Now**      **Company name:** Hisun Pharmaceutical Co. Ltd.      **position :** Research engineer

### Job Description:

- I am in charge of some early stage projects that issued by our Vice President, aiming to develop effective microbial host (*E.coli*, *Pichia Pastoris* and CHO cells) and vector systems to produce recombinant proteins by secretion or intracellular expression way, including:
  - ✧ Collecte projects resources (Instruments materials), design and discuss experiment strategies with other teams (Reasonable, comprehensive)
  - ✧ Analyze and solve the problems during the experiments, promote the process of the early stage to pilot scale experiment
  - ✧ Explore new potential projects and assist manager to write report

### Work Achievements

- Express antibody peptides through secretion way in *E.coli*
  - ✧ Tested different signal peptide, promoters, induction condition, chaperones plasmid and host strains.
  - ✧ Constructed a platform for recombinant proteins expression in *E.coli*
- Express virus like particles (VLPs) in *Pichia pastoris*
  - ✧ Decreased the degradation and increased the yield of VLPs by disruption target protease.
  - ✧ Increased the expression level of VLPs by screening host strain containing different target gene copy numbers
  - ✧ Designed a VLPs-peptide protein as a model for therapeutic vaccin exploration
  - ✧ Assisted manager write a feasibility study report for application of drug discovery

## Project Experience

	Project name and contents	Duty officer	Self-Roles
04/13 – 12/13	Secretion express of MetMab in <i>E.coli</i>	Haibing Wang	In charge
03/14 – 06/14	Mesothelin expression and purification	Haibing Wang	In charge
01/14 – 04/15	Optimize the VLPs expression system	Haibing Wang	In charge
09/15 – 10/16	Therapeutic protein exploration	Haibing Wang	Cooperate with Institut Pasteur Of ShangHai
03/16 – Now	Recombinant protein animal drugs exploration	Haibing Wang	In charge
04/14 – Now	Therapeutic vaccinn exploration	Haibing Wang	In charge

## Education

**09/09 –12/12**      **Ecole Centrale de Lyon**                      **Microbiology**                      **Doctorate**

Description: Using lambda RED homologous recombination technology, construct and develop the new Genefish tool and use it to capture biotechnologically relevant genes from non cultivable soil or wastewater bacteria.

**09/06 –03/09**      **Shanghai Jiao Tong University**      **Biochemical engineering**      **Master**

Description: In volved in a case-control study of the relationship between gut microbiota and obesity, diabetes

1:The biggest experimentation scale in this field, over 1000 volunteers fecal samples were collected and DNA were extracted from these fecal samples.

2:Composition and quantity difference of *Bifidobacterium spp.* in fecal samples from 20 diabetic and 20 healthy volunteers

3:Comparison of two methods of stool sample preservation used in gut microbiota analysis

## Publications

J. Yuan, S.Jacquioid, N.Lombard, A.Faugier, C.Lavire, L.Philippot, X.Zhang, J.C.Lazzaroni, P.Simonet and L.Franqueville; Prospecting specific genes involved in the biodegradation of aromatic compounds through classical and innovative metagenomic approaches. Poster displayed at the 14<sup>th</sup> conference on ISME (International Society for Microbial Ecology).2012, Copenhagen.

Yuan Jun; Li Min; Shen Jian; Zhao Liping;Pang Xiaoyan. Comparison of two methods of stool sample preservation used in gut microbiota analysis. Chinese Journal of Microecology. 2009 Vol.21 No.3 pp.223-225,228