

# Chuan-Xing Li

Lungforskningslab., J7:30, Bioclinicum  
171 76 Stockholm, Sweden  
E-mail: [chuan-xing.li@ki.se](mailto:chuan-xing.li@ki.se)  
Website: <http://www.cxli.net/>

## Current position

**Assistant professor**, Karolinska Institutet, 2018/01/15-current  
Pulmonomics group, Respiratory Medicine Unit, Dept. of Medicine Solna & Center for Molecular Medicine

## Undergraduate degree

**M.S. and B.A. in Medicine, Harbin Medical University, China (2006/06/30)**  
Area of Specialization: Basic Medicine Science and Bioinformatics,

## Dissertation

**Ph.D. in Pharmacology, Harbin Medical University, China (2009/06/30)**  
Dissertation: Research on identification of disease-related miRNA and SNP module biomarkers by multi-omics network integration analysis.  
Area of Specialization: Bioinformatics.  
Supervisor: Prof. Xia Li.

## Post-doctoral training

**ERS/EU Marie Curie Postdoc fellowship, Karolinska Institutet, 2014/10/13-2018/01/14. Supervisor: Assoc. prof. Åsa M. Wheelock, Pulmonomics group**  
Project: Systems Medicine of COPD: Multi-‘OMICS based Molecular Sub-phenotyping of Chronic Obstructive Pulmonary Disease using Network Modeling Approaches

**Postdoctoral fellow (2 yrs), Research Scientist (1 yrs), Institute for Systems Biology (ISB), Seattle, USA. 2011/08 - 2014/06. Supervisor: Prof. Ilya Shmulevich**  
*Industry-academia collaborative fellowship between ISB and Procter & Gamble Company concerning identification of new therapeutic target to up-regulate collagen protein expression and modeling the mechanism of retinoic acid's anti-aging effect of skin. Institute for System Biology was the first institute specialized for systems biology, and remains an international leader in system biology, system medicine and personalized medicine.*

**Junior Faculty, Harbin Medical University, Harbin, China, 2006/07 - 2011/07**  
**Supervisor: Prof. Xia Li**

*Harbin Medical University constitutes the largest hospital system and bioinformatics center in northern China. It is the one of the leading institution for systems medicine and bioinformatics in China. My tenure included teaching in bioinformatics and leading a research group for National Natural Science Foundation of China as principle investigator.*

## Parental & Sick Leave

- 12 months parental leave (2010/03-2010/08, 2015/10-2016/03)
- 8 months sickness (2017/05-2017/10, 2018/04-2019/01 for 100%, 75%, and 50%)

## Supervision (PhD, Post-doc)

From 2006 to 2011, co-supervised 2 PhD students and 3 Master students as associate professor (main advisor: Prof. Xia Li). One of them gained the awarded “Excellent PhD graduates” of Heilongjiang Province, China, 2011.

## Awards

- EU Marie Curie Postdoctoral Research Fellowship co-funded by European Respiratory Society (ERS/EU RESPIRE2 fellowship), Europe, 2015/04 – 2017/09 (<http://www.ersnet.org/respire2-selected-fellows-2nd-round>)  
*This fellowship is designed to support excellent postdoctoral researchers in respiratory area, selected by means of external peer-review and interviews.*
- Awarded “Excellent Teacher” of Harbin Medical University, China, 2010, 2011
- Awarded “Excellent PhD graduates” of Heilongjiang Province, China, 2009
- Awarded “Excellent PhD graduates” of Harbin Medical University, China, 2003-2009

## Grants

### As principal applicant

- **ERS/EU RESPIRE Marie Curie Post-doctoral Research Fellowship, Europe, (2015/04-2017/09) € 129,200**
- **Karolinska Institutet research fund, 2016-2017, 2018-2019 (SEK 100,000)**
- **National Natural Science Foundation of China “Research on disease related single-nucleotide polymorphism (SNP) modules identification”. Principal Investigator. (2007-2009) € 25,934 (200,000 Chinese Yuan)**  
*NSFC represents the major research foundation of China, corresponding to the Swedish Research Council (VR) in Sweden (success rate of ~5%). During the 3 years of performance, my research group published 7 peer-reviewed journal articles. The project was successfully completed.*

### As co-applicant

- **HLF Stora Forskningsanslaget, “Molecular phenotyping of endemic lung diseases (MORPHEUS)”, PI: Åsa Wheelock. (2019 application).**

## Invited Speaker

- How to make sense of your data: Clustering and multi-omics integration. **European Respiratory Society Workshop: Translational Research data handling and analysis, Berlin, Oct 2017**
- Multi-omics analysis for stratification of chronic inflammatory lung diseases. **Symposium on Computational Integration of Multi-Omics data, 17-18 June 2019, ZMB Kiel.**

## Reviewer

- ERS short-term fellowship, 2019/04 – 2019/06
- Scientific Report, manuscript SREP-18-35116, 2018/11
- BMC bioinformatics