Menghan Liu

564, 1st Avenue, New York, NY. 10016

1-(917)-319-1648   menghan.liu@nyumc.org

EDUCATION

New York University, New York, NY   Aug. 2015 – current
  Ph.D student , Bioinformatics and medical informatics

New York University, New York, NY   May 2015
  Master of Science, Bioinformatics and Systems Biology Track, GPA: 3.72/4.0

Ocean University of China, Qingdao, China.   July 2013
  Bachelor of Science, Marine Biology, GPA:3.58/4.0

RECENT PROJECTS

Estrogen-intestinal microbiome in post-menopausal women
                                        Rotation project, 09.2015—present, Mentor: Martin Blaser
Contrasting fates of enhancers and topological domains in cancer
                            Rotation project, 09.2015—present, Mentor: Aristotelis Tsirigos, Iannis Aifantis
Functional Ion Channel and Transporter (ICT) Genes in the Immune System
                        Independent Research project, 11.2013—present, Advisors: Stefan Fekse, Steven Shen
Genome-wide Analysis Reveals Tumor Suppressor p53 Binding Patterns
                                        Academic Project, 10.2013—12.2013, Advisor: Manpreet Katari
Establish Drug Repositioning Genomic database
                            Academic Project, 10.2013—12.2013, Advisors: David Gresham; Kenneth Birnbam
Construction of GSK3 shRNA Expression Plasmids
                            Undergraduate Thesis Project, 02.2013—06.2013, Supervisor: Hui Xiao

PUBLICATION

STIM1 controls T cell mediated immune regulation and inflammation in chronic infection.

                                                                Journal of Clinical Investigation

Desvigne L[#], Weidinger C[#], Shaw P, Vaeth M, Ribierre T, <u>Liu M</u>, Kozhaya L,McVoy L, Unutzmaz D, Ernst J, Feske S

SKILLS:
- Python, R, Matlab, SQL.
- General statistical methods, Statistical methods of clinical trials.
- SDS-PAGE, Western Blot, PCR, RT-PCR, Isolation of BMM and MEFs, Lentivirus packaging.

INTERNSHIPS
- NYU Langone Medical Center, Center of Health Informatics and Bioinformatics
                                                        Research Associate, 05.2014- present
     1. Perform bioinformatics analysis on research projects
     2. Develop web application
- NYU Langone Medical Center, Department of Pathology   Bioinformatics Analyst, 11.2013- present
- Chinese Academy of Sciences, Institute Pasteur of Shanghai   Intern ,06.2011-08.2011