Nanfang Hong

洪楠方
https://honzresearch.github.io/
hongnf@honz.com.cn

HIGHLIGHT

Founder of Honz Research Institute of Pharmacometrics and Industrial Engineering (HRIPIE)

COLLEGE ATTENDED OR ATTENDING

Master in Pharmaceutical Science September 2019 - August 2020
State University of New York at Buffalo

- Advisors: William J. Jusko (primary) and Donald E. Mager (secondary)
- Research topic: pharmacometrics
- *Leave of absence* since March 2020.

Graduate Special Student September 2018 - August 2019
Massachusetts Institute of Technology, Cambridge

- In fall 2018, winter 2019 and spring 2019 as a non-degree student in *advanced study program* at MIT
- Attend many courses without registration at BU, MIT and Harvard until summer 2019. ("for knowledge and feedback, not for credit, given visa status maintained")
- Project *Reconstruct 3D shape from Extended Gauss Image* became one of favorites of Prof. Berthold Horn and Prof. Alan Edelman http://courses.csail.mit.edu/18.337/2018/projects/.

Graduate Special Student September 2017 - August 2018
Boston University, Boston

- In fall 2017 as a *health law* student in *Master of Public Health* program
- In spring 2018 as a *non-degree* student in *Department of Mathematics* and *Department of Music*. ("for visa and credit, not for degree")
- Piano recital in April 2018 with Chopin's Waltz *"Grande Valse Brillante"* and Nocturne in *E-flat Major* after ten years break of piano practice

Bachelor in Biotechnology September 2012 - July 2017
Tongji University, Shanghai

- Advisors: Jianmin Fang (Biotechnology), Qi Liu/Zhiwei Cao (Bioinformatics)
- Thesis: DRUG-DETACHED NAKED ANTIBODY IMPAIRS ADC EFFICACY https://adcreview.com/articles/drug-detached-naked-antibody-impairs-adc-efficacy
- Valedictorian at college commencement as the distinguished student. https://youtu.be/Y9BveKFPAfg
- Story continues: Prof. Jianmin Fang became billionaire after his company *RemeGen* http://www.remegen.com/ went public in 2020. Prof. Qi Liu and I cochair a post-doc program in 2021 http://asianclub.mit.edu/tongji-x-honz-21

LECTURES   *Graduate Special Student*   September 2018 - August 2019
ATTENDED   **Massachusetts Institute of Technology**, Cambridge

Inference Engineering *Gregory Wornell, Polina Golland*
- 6.008 Introduction to Inference
- 6.437 Information Geometry and Inference

Algebraic Statistics *Caroline Uhler, Elina Robeva*
- 6.244 Graphical Models: Algebraic Geometry and Combinatorics

Numerical Computing *Alan Edelman, Steven Johnson*
- 18.335 Introduction to Numerical Analysis
- 18.337 Julia Computing and Numerical Computing

Numerical ODE/PDE *Christopher Rackauckas*
- 18.303 Linear Partial Differential Equation

Machine Vision *Berthold Horn*
- 6.801 Machine Vision

Matrix Calculus *Farrell Eldrian Wu, Basil Saeed*
- 6.S087 Matrix Tricks for Data Science

Differential Equation *Philip Pearce*
- 18.031 Laplace Transform and Linear Time Invariant System

         Graduate Special Student   September 2017 - August 2018
         Boston University, Boston

Probability & Statistics *Daniel Weiner*
- MA581 Probability
- MA582 Mathematical Statistics

Algebra *Steven Rosenberg, Jared Weinstein*
- MA242 Linear Algebra
- MA541 Abstract Algebra

Analysis *Maciej Szczesny*
- MA412 Complex Variables
- MA511 Terrance Tao's Analysis

Geometry *Siu-Cheong Lau*
- MA563 Differential Geometry

Data Software *Haviland Wright*
- MA615 Data Science in R

Web Technology *Perry Donham*
- CS591S MangoDB Express.js Angular.js Node.js Stack

General Programming *Eugene Pinsky*
- CS521 Information Structure in Python

Applied Statistics *Lisa Sullivan*
- PH717 Biostatistics

Law *Wendy Mariner*

- PH719 Health Law and Policy