

## Jingyu (Sabrina) Hua

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### Education

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#### 01/2021 - present **PhD. Biology, CNAP Prof. Ian Bancroft Laboratory, University of York, UK**

- Key research interests: Plant genomics, Bioinformatics, Plant evolution, Biochemistry & Molecular biology.
- Research topic: The genetic control of glucosinolate accumulation in the seeds of *Brassica napus*.

#### 09/2015 – 06/2019 **Bsc. Biology, University of York, UK**

- 2:1 Upper Second-Class Honours Degree, 79% awarded for the final year project.

### Research Experience

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#### 09-10/2019 **Retina Connectome Research Group, Peking University & Zhiyuan Artificial Intelligence Research Institution, China**

- Worked as the team leader to manage the other internship students sketching out neuron outlines using Photoshop and extract data to create machine learning pipelines for the project.

#### 07-12/2017 **Laboratory of ageing Physiology and Molecular Evolution, Ghent University, Belgium**

- Three laboratory projects under the guidance of Prof. Bart Braeckman using model *C.elegans*.
- Assisted lecturers to prepare teaching of animal physiology for 50 -100 UG/PG student

#### 03-04 & 05-06/2017 **CNAP Prof. Ian Bancroft Laboratory, University of York, UK**

- Assisted in the gamma-ray mutation projects, such as sample collection, DNA & RNA extraction, daily management and planting of experimental samples.
- Wrote the final year project that I undertook in this lab on the genetic basis of trait variation in *Brassica napus* using bioinformatics approaches.

#### 06/2016 **Marine biological research Courses & Research Project, Great Cumbria, UK**

- Life sciences research courses with students from University of York, Durham & Newcastle.
- Awarded the best project prize; First prize of species recognition competition. 73% awarded for the project report.

#### 09/2012 **Ecology Conservation Research Project, University of Cambridge Summer School, UK**

- Project on: Use of indicator species to monitor freshwater ecosystems, determining the functional significance of taxa surveyed, and different techniques used to assess terrestrial invertebrate biodiversity.

### Work Experience

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#### 01-07 /2018 **Analyst at Equity Financing and M&ADept, HAITONG Securities Co., Ltd. Shanghai, China**

- Participated in one international Significant Asset Reorganisation projects. Made collation of IPO and backdoor listing situations in pharmaceutical industries. Managed M&A project resource statistics database.

#### 09/2018 **R Learning & Teaching App Design and Development, Biology Department Project**

- Participating in the focus group for the design and development of R-teaching and self-learning application. <https://learn-r-app.york.ac.uk/credits>

#### 01/2017- present **CEO at ChiTree Entrepreneurship of GluChip™ the diabetic monitor & GluAide™ app**

- Led an entrepreneurial team of 14 UG/PG scholars and consultants from seven different countries. Consulting services provided by York Community consultant.
- Awarded the third prizes in the 10th “Chunhui Cup” & CSSA-UK High-level Entrepreneurship Challenge (8/500, winning rate 0.6%) & “Internet+” Innovation and Entrepreneurship Competition (600/500000, winning rate 0.1%, 1.5 million attendants).

#### 01-03 /2017 **Consultant at York Community Consultant**

- Participated in the most competitive (65 applicants) programme, providing consulting services for a Tanzanian charity. Client testimonial: “We were impressed by dedication and high level of ability that the team showed”.

#### 07/2012-09/2012 & 09/2013-09/2014 **Intern at Garden Biochemical High-tech Co., Ltd., China**

- Helped with experiments design and monitoring. Operated Dionex HPLC, continuous countercurrent crystallisation (on which I wrote a paper for the company), crystallisation tower and variant centrifuges.

### Skills and Awards

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- Language: Mandarin (Native), English (IELTS 8, Fluent), Japanese (Proficient), Dutch (Conversational) .
  - Music: Top Grade in Piano performance and Music Theory. Beginner level of Guitar & Clarinet performing.