

Curriculum Vitae

PokMan Ho

email: hpokman@connect.hku.hk postal address: Imperial College London Silwood Park,
born in: 1996 Buckhurst Road, Ascot, Berks, SL5 7PY,
origin: Hong Kong United Kingdom

Description of myself

A student with constant thirst for knowledge. Willing to contribute and happy to listen. Fascinated by ecology and the circle of life. Aim at understanding and constructing biological systems through theories and experiments.

Computational Languages

R bash \LaTeX Julia-lang Git (GitHub [repository](#)) python3 C

Computational Skills

1. mathematical modeling
2. genome analysis
3. text-mining
4. Geographic Information System (GIS)
5. statistics (in R)
6. Jupyter notebooks

Laboratory and Field Skills

1. whole genome sequencing (WGS) library preparation
2. biomolecular analysis: Western/Southern blot, SDS-PAGE, PCR, pBluescript
3. habitat sampling (quadrat and transect using random number tables)
4. landscape & bedrock mapping
5. environmental impact assessment (EIA)

Scholarships

C.V. Starr Scholarships (2017-18 recipient; for the exchange to Australian National University)

Non-Academic Skills, Contributions and Achievements

1. piano (ABRSM G.8 distinction: 2012)
2. violin (ABRSM G.8 distinction: 2014)
3. public speaking (65th Hong Kong Schools Music and Speech Festival Boys Champion: 2013)
4. 400m-hurdles (University of Hong Kong Track-n-field team member: 2014-19)
5. peer-learning tutor (senior in University of Hong Kong Peer-Learning Team: 2015-20)

Tertiary Education

- 2019-20 (current) MRes Computational Methods in Ecology and Evolution (CMEE)
Imperial College London
- 2014-19 Bachelor of Science (BSc)
The University of Hong Kong
Second Class Honours (Division One)
Double majors: "Ecology & Biodiversity", "Earth System Science"
Overseas research and exchange experience: Australia (multiple), Canada

Major Past Research Projects

- 2018-19 Characters and Dispersers: Evolution of Annonaceae Fruits and Seeds
Location: The University of Hong Kong
Supervisor(s): Prof Richard MK Saunders
Type: undergraduate final year project
- 2018 Jun-Aug Who is the Mastermind - Host Microbiome VS Hologenome
Location: Australian National University
Supervisor(s): Prof Allen G Rodrigo (external), Dr. David M Baker (internal)
Type: overseas research fellowship
- 2017 Jul-Nov Microbiome neutral model replication
Location: Australian National University
Supervisor(s): Prof Allen G Rodrigo
Type: extra-experience during an exchange semester

Referees

- Prof **Allen G Rodrigo**
Head of School, Department of Biological Sciences,
Faculty of Science, The University of Auckland
a.rodrido@auckland.ac.nz
- Dr **James Rosindell**
Reader in Biodiversity Theory, Department of Life Sciences (Silwood Park),
Faculty of Natural Sciences, Imperial College London
j.rosindell@imperial.ac.uk
- Dr **Samraat Pawar**
Reader in Theoretical Ecology, Department of Life Sciences (Silwood Park),
Faculty of Natural Sciences, Imperial College London
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- Prof **Richard MK Saunders**
Professor, School of Biological Sciences, Faculty of Science, The University of Hong Kong
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