

CU CHAMPION
Pharmacogenetics (PGx) Course
Application Details

1. Brief Summary

Objectives

Pharmacogenetics (PGx) Course is specifically designed for secondary school students who would like to pursue STEM or health science-related programmes in their tertiary education. It aims to provide students with foundational insights and understanding of pharmacogenetics and its potential application clinical applications in Hong Kong. The course comprises online learning materials and face-to-face workshops that aligns with the DSE biology syllabus and offers them with real-life examples on the latest development in pharmacogenetics.

2. About CU CHAMPION

CU CHAMPION refers to The Chinese University of Hong Kong Community Health And Medication-safety Promotion Inter-school Outreach Network. Developed in 2013, CU CHAMPION is a joint school outreach team and multi-disciplinary service learning program of the Faculty of Medicine, CUHK. The outreach team has conducted various on-and off-campus health promotion and outreach events. To date, CU CHAMPION has served over 16,000 citizens in Hong Kong.

3. Course Information

- PGx comprises micro-modules (MM), 1 face-to-face journal discussion (with online pre-journal discussion activity) and 1 face-to-face lecture. Please refer to “Syllabus Plan & Timeline” below.
- **Course duration: 1/4/2023 - 26/4/2023**
- Students will be enrolled on our MS Teams e-learning platform for MM and online discussion.
- Students will be grouped with participants from other schools and CU CHAMPION Core Team members from medical disciplines throughout the course.

Syllabus Plan & Timeline

Date	Content	Format	Focus
1/4/2023	PGx course begins		
	Module 1: Cell & DNA	Online MM	<ul style="list-style-type: none"> Foundation ideas in biology that will be useful for upcoming contents on pharmacogenetics
	Module 2: Basic Concepts of pharmacogenetics	Online MM	<ul style="list-style-type: none"> Foundation ideas in pharmacogenetics Its applications in a clinical context How it has been applied both currently and in the past
*Student should complete MM1 & 2 before the below activities.			
3/4/2023 (Mon) 17:00 – 19:00 (2 hours)	Pre-Journal Discussion Activity	Online via Zoom	<ul style="list-style-type: none"> Ice-breaking Introduction to journal discussion Preparation on selected journal for upcoming Journal Discussion
12/4/2023 (Wed) 17:00 – 19:00 (2 hours)	Journal Discussion	Face-to-Face Workshop at CUHK	<ul style="list-style-type: none"> Group discussion and presentation on selected journal
	Module 3: PGx & Health	Online MM	<ul style="list-style-type: none"> How PGx tests work How the test results are being used How PGx is related to
*Student should complete MM3			
19/4/2023 (Wed) 17:00 – 19:00 (2 hours)	Module 4: PGx application in Hong Kong	Face-to-Face Workshop at CUHK	<ul style="list-style-type: none"> Importance of PGx test How information we can get in a PGx test Importance of drug safety and genetic diseases
By 26/4/2023	Post-course evaluation	Reflection & Online Satisfaction Survey	

Certification

Students will be rewarded with a Certificate of different ranks according to their completion of tasks.

Task	Rank	Bronze Award	Silver Award	Gold Award
Watch all micro-modules (MM)		✓	✓	✓
Complete and Pass (≥ 60%) the Pre- and Post-quizzes of each MM		✓	✓	✓
Attend face-to-face workshop		✓ Attend 1 F2F workshop	✓ Attend ALL F2F workshops	✓ Attend ALL F2F workshops
Complete Post-course Satisfaction Survey			✓	✓
Complete Reflection				✓

4. Advantages for students

Why secondary school students should join PGx? (C H A M P I O N)

- **Curriculum related to DSE Biology syllabus**
 - A range of micro-modules will cover topics highlighted in HKDSE Biology syllabus
- **Have a taste of university life**
 - Students will have a chance to experience the life of a CUHK student, with workshops to be conducted at CUHK campus. All the learning materials and lessons are prepared by CUHK teachers, students and alumni.
- **Apply their knowledge and skills and Make connections in their learning**
 - Students can have deeper understanding on how their existing knowledge and skills can be applied in the health science sector.
 - By gaining the essential knowledge and understanding of pharmacogenetics, students can connect the new knowledge to what they have learnt in the HKDSE curriculum.
- **Partnership with peers and university students through Interactive group work**
 - Different from traditional classroom teaching, students will be able to partner with peers from other secondary schools and CUHK students from the Faculty of Medicine in multiple interactive group work and discussion, and learn from each other.
- **Online and offline learning experience under the new normal**
 - Students will be engaged in both online and offline learning environment under the new normal, with micro-modules and online activities, as well as face-to-face workshops.
- **Navigate them to potential academic and career journey**
 - Students will gain valuable insights and advice from CUHK teachers and students on their academic and career journey to the health science sector.

5. Eligibility

- **F.4 – 6 students** who are studying and/or interested in **STEM, Biology and/or Chemistry**
- **Application Deadline: 20/3/2023 5:30PM**.
- Click [here](#) for the Student Registration Form

6. Enquiries

For enquiries, please contact our Core Team via cuchampion2023@gmail.com or 3943 0510.

grow your
insight in

PHARMACOGENETICS (PGx) COURSE

CHANCE TO HAVE A TASTE OF

UNIVERSITY LIFE

Course Period:
1 April-26 April

**ALL F.4-F.6 students
are welcome!**



Online Micro-modules and activities



Cell
and DNA



Basic concepts
of
PHARMACOGENETICS



PGx
Application
in HK



Pre-journal
Discussion
Activity



PGx
and Health



Journal
Discussion
Forum

Registration Form Deadline:
20 Mar 2023
5:30PM

**APPLY
NOW**

