

# RESEARCH INSTITUTE FOR FUTURE FOOD

## 未來食品研究院

Let's "Make a Better Food System  
for Future and a Better World for  
Mankind"!

+852 3400 8860

@polyurifood

rifood@polyu.edu.hk

<https://www.polyu.edu.hk/rifood>

Y801, Lee Shau Kee Building, The Hong Kong Polytechnic University  
香港理工大學李兆基樓 (Y座) 801室

Opening Minds • Shaping the Future  
啟迪思維 • 成就未來



# OUR TEAM

## 我們的團隊

### DIRECTORS 院長



Dr Ka-hing WONG 黃家興 博士  
Director / Associate Professor  
Dept. of Applied Biology and Chemical  
Technology



Prof. Wing-tak WONG 黃永德 教授  
Honorary Director / Deputy President & Provost,  
Chair Professor of Chemical Technology

### ASSOCIATE DIRECTORS 副院長



Dr Kevin W.H. KWOK 郭穎軒 博士  
Assistant Professor  
Dept. of Applied Biology and Chemical  
Technology



Dr Amber J.C. CHIOU 邱家琪 博士  
Assistant Professor  
Dept. of Applied Biology and Chemical  
Technology

### MANAGEMENT COMMITTEE MEMBERS 管理委員會其他成員



Prof. Man-kin WONG 黃文健 教授  
Associate Head / Professor  
Dept. of Applied Biology and Chemical  
Technology



Dr Joanne Y.W. YIP 葉曉雲 博士  
Associate Dean / Associate Professor  
School of Fashion and Textiles



Dr Chien-ling HUANG 黃千凌 博士  
Associate Professor  
Dept. of Health Technology and Informatics

### INTERNATIONAL ADVISORY COMMITTEE MEMBERS 國際諮詢委員會成員



Prof. Noel CAPLICE  
Professor of Department of Medicine & Director  
of the Centre for Research in Vascular Biology  
University College Cork



Prof. Francesco CAPOZZI  
Professor & Head of Interdepartmental Centre for  
Industrial Agrofood Research, Department of  
Agricultural & Food Sciences  
University of Bologna



Prof. Laurie CHAN  
Professor & Canada Research Chair of Toxicology  
and Environmental Health  
University of Ottawa



Prof. Eugene CHANG  
Martin Boyer Professor of Medicine & Director of  
Microbiome Medicine Program  
University of Chicago



Mr Richard LEUNG  
Council Member  
The Hong Kong  
Polytechnic University



Prof. Lucy SUN  
Professor Emeritus; Graduate  
Institute of Food Science &  
Technology  
National Taiwan University



Prof. Yongning WU  
Chief Scientist; China National Center  
for Food Safety Risk Assessment;  
Member of WHO Advisory Group on  
Food Safety: Safe Food for Better  
Health

### STEERING COMMITTEE MEMBERS 督導委員會成員



Mr Calvin  
CHAN  
CATALO  
Natural Health  
Foods Ltd.



Dr Allen HO  
Lee Kum Kee  
International  
Holdings Ltd.



Mr Patrick LAI  
Agricultural and  
Fisheries  
Conservation Dept.,  
HKSAR Govt.



Ms Charine LAU  
Tam Jai  
International Co.  
Ltd.



Dr Ka-sing LEUNG  
The Hong Kong  
Polytechnic  
University



Mr Gary LO  
Hong Kong Yakult  
Co. Ltd.



Mr Ray LOK  
Full Nature Farm HK  
Ltd.



Prof. Man-sau  
WONG  
The Hong Kong  
Polytechnic  
University



Mr Anthony NG  
WePet  
International  
Holdings Ltd.



Ms Sandy TSE  
Danone Nutricia  
Early Life Nutrition  
(Hong Kong) Ltd.



# MAJOR RESEARCH DIRECTIONS 主要研究方向



RiFood has three main Research Directions namely "Food Sustainability", "Smart Technology and Functional Food Development" as well as "Nutrition and Human Health", which are originated from the interactions among "Environment", "Food" and "Human", forming a unique, inter-disciplinary and coherent research platforms.

## VISION 抱負

Aspires to be a leading Research Institute that advances and transfers knowledge by research, public education and professional service to address the key challenges in Food Science and Human Health, for the benefit of mankind.

致力成為一所在開拓及轉移知識方面均領先的研究院，透過科研、公共教育和專業服務以解決食品科學和人類健康領域中的關鍵挑戰，造福人群。

## SMART TECHNOLOGY & FUNCTIONAL FOOD DEVELOPMENT 智能科技及功能性食品研發

- ▶ Foodomics Study for Food Authentication, Food Safety and QA/QC applications  
食物組學研究應用於食品鑑證、食物安全及其品質監控
- ▶ Functional Food for Prevention and/or Treatment of Chronic Diseases  
防治慢性病的功能性食品研究及應用開發
- ▶ Research & Product Development on Traditional Tonics Foods  
傳統滋補食品的研究及產品開發
- ▶ Smart Technology for Future Food Industry  
用於未來食品業的智能科技
  - AIoT, nanotechnology and 3D printing technology  
人工智能及物聯網，納米科技及3D打印技術

## FOOD SUSTAINABILITY 食物可持續發展

- ▶ Sustainable Food Production  
可持續糧食生產
  - Precision Hydroponics and Aquaculture  
精準水耕及水產養殖
- ▶ Emerging Food Safety and Risks Detection  
新興食品風險檢測
  - Microplastics 微塑膠
  - African Swine Flu Food 非洲豬瘟
- ▶ Policy & Marketing Management  
食品政策及市場管理
  - Climate Change, COVID-19, Food Waste Management  
氣候變化，新冠肺炎，廚餘管理

RiFood 以「食物可持續發展」、「智能科技與功能性食品研發」及「營養與人類健康」作為三大主要研究方向，源自「環境」、「食物」和「人類」三者之間的互動，形成一個獨特並且連貫的跨學科研究平台。

## MISSION 使命

1. To pursue impactful & cutting-edge research in Food Science and Human Health via inter-disciplinary collaboration  
通過跨學科合作，促進食品科學與人類健康具影響力的前沿研究；
2. To provide innovative and sustainable solutions and technological support to food and healthcare industry;  
為食品及健康產業提供創新及可持續的解決方案與技術支援；
3. To foster "Healthy Eating and Sustainable Living" culture, promoting public health of our community.  
培育「健康飲食及可持續生活」文化，促進社區公眾健康。



## NUTRITION & HUMAN HEALTH 營養與人類健康

- ▶ Gut Microbiome Research for Infant & Child Health  
母乳及嬰幼兒腸道菌群與健康研究
- ▶ Nutrition Strategy for Metabolic Syndrome (e.g. Obesity)  
研究針對代謝綜合病(如肥胖)的營養策略
- ▶ Micronutrient for Long COVID-19 Treatment  
探討微量營養素對治療長新冠肺炎的效用
- ▶ Nutritional Epidemiology for Public Health  
研究長壽與飲食及其他生活習慣的關聯

# UNIQUE RESEARCH PLATFORMS

獨有的研究平台



Suga Research Laboratory for Sustainable Urban  
Green Agriculture  
信佳城市綠色耕種研究實驗室  
Location 位置: W614



PolyU-Yakult Joint Research Laboratory for  
Probiotics and Prebiotics in Human Health  
香港理工大學-香港益力多 腸道益生菌益  
生元與人類健康聯合研究實驗室  
Location 位置: U504



Sensory Evaluation Laboratory  
感官評估實驗室  
Location 位置: U513



Laboratory for Infant and Child Nutrition  
嬰幼兒營養實驗室  
Location 位置: 201-202, 9W,  
Hong Kong Science Park 香港科學園