



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU



明微生物
MM BIOTECH



創新創業中心
Centro do Inovação e Empreendedorismo
Centre for Innovation and Entrepreneurship
國家級眾創空間
Espaço Nacional de Trabalho Colaborativo
National Co-Working Space



澳大创科孵化企业



国际多糖研究院



多组学 AI 数据平台

公司概况

总部：明微（澳门）生物科技有限公司

成立时间：2024年

注册地：横琴、澳门和香港（格莱生物）

主营业务：

以「AI + 多糖 + 微生态」技术研发为核心，深耕多糖功能产品开发与多产业技术赋能



顶尖团队

产学研

成果转化

格莱生物入选 HSITP SPIN Programme（港深河套创科园）
明微生物 - 澳门大学创新创业中心 孵化，科研背靠 澳大健康科学学院、中科院上海药物研究所 等高校及科研院所



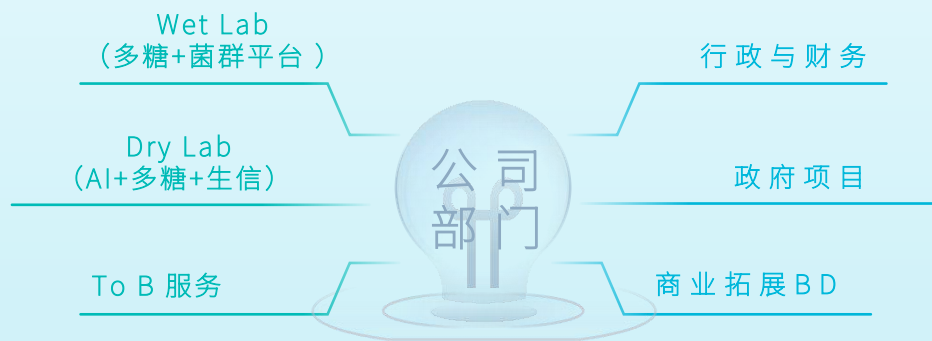
梁丽嫻 教授

首席科学家

职务：澳门大学健康科学学院教授、国家青年岐黄学者
荣誉：珠江学者特聘教授

学术成就

- 发表SCI论文 200 余篇
- 授权发明专利 50+ 项
- 累计获得科研经费超 7,000 万 澳门元
- 成功转化澳门首个人参多糖产品



Dry Lab Talents Recruitment

I. Job Responsibilities

1. Multi-omics Integrative Analysis

Conduct in-depth mining of metagenomic and metabolomic data, with a focus on analyzing the interaction between natural product macromolecules (e.g., polysaccharides, peptides) and the microbiome.

2. Biotransformation Pathway Research

Employ bioinformatic approaches to investigate microbial biotransformation of natural products, predict metabolic pathways and generated secondary metabolites.

3. AI & Algorithm Modeling

Build biotransformation models and community ecology models via machine learning and artificial intelligence algorithms, and screen key functional strains or enzymes that drive macromolecule metabolism.

4. AIDD and New Drug Development

Carry out Artificial Intelligence-Driven Drug Discovery (AIDD), focusing on natural product-derived new drug small molecule design, target prediction, pharmacodynamic evaluation and active molecule identification.

5. Biomarker Discovery

Identify microbial biomarkers associated with drug metabolism and clinical efficacy to provide critical predictive indicators for new drug development.

6. Database and Pipeline Construction

Develop and maintain databases related to natural product macromolecules and microbial metabolism, and build automated, standardized bioinformatic analysis pipelines.

7. Programming and Tool Development

Proficiently operate Linux environments, implement algorithms and perform data visualization using Python, R or other programming languages.

Send resumes to the email address below

Email: ynmelody@mmbiot.com

II. Basic Requirements

1. Academic Background and Qualifications

Research Assistant (RA)

Master' s degree in Bioinformatics, Pharmacy, Computer Science, Mathematics or other related disciplines. Prior experience participating in natural product development or bioinformatics projects is preferred.

Postdoc Position

Doctoral degree in Bioinformatics, Pharmacy, Computer Science, Mathematics or other related disciplines with at least 3 years of in-depth research experience in microbiome, AIDD, AI models and algorithms. Candidates with independently developed algorithms or analytical tools (e.g., published software packages, high-impact algorithm papers) are preferred.

2. Programming & Technical Competencies

Must be proficient in Linux environments; skilled in Python and R (or other high-performance programming languages), with the capability to independently construct complex bioinformatic pipelines.

3. Professional Knowledge Reserve

Familiar with multi-omics data integration, pharmacokinetics (especially microbe-mediated metabolism), or computational structural biology.

4. Research Literacy

Possess strong logical thinking and literature research capabilities in both Chinese and English, and stay abreast of cutting-edge technological advances in the field of "natural products – gut microbiota – host health".

5. Teamwork Spirit

Strong team player capable of efficient communication with Wet Lab teams to jointly advance wet-dry integrated research projects.

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III. Salary and Benefits

1. Competitive Annual Remuneration

Fixed annual salary packages as specified below, with additional performance bonuses based on research outputs, project progress and academic achievements.

Postdoc Position	<u>Salary: HK\$540,000 per annum</u>
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Research Assistant (RA)	<u>Salary: HK\$276,000 per annum</u>
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2. Government Talent Subsidy Support

The company will provide full professional guidance and procedural assistance for eligible employees to apply for various Hong Kong government talent subsidies, including research grants, high-end talent allowances and relevant industry funding schemes issued by Hong Kong SAR authorities.

3. Visa & Hong Kong Identity Support

We offer comprehensive administrative support for non-local hires to apply for the IANG (Immigration Arrangements for Non-local Graduates) visa to facilitate long-term employment in Hong Kong. Our team will assist with document preparation, application submission and follow-up procedures if you intend to pursue Hong Kong permanent resident identity through legal immigration pathways.

5. Clear Career Growth Path

We provide accelerated promotion tracks for outstanding staff. After a short-term competency evaluation, qualified postdocs can directly take up management positions to lead dry lab research teams, oversee multi-omics & AIDD research projects, and participate in company-level R&D strategy planning.

6. Additional Research Benefits

- Access to complete wet and dry laboratory platforms, sufficient research funding and experimental resources
- Support for academic conference attendance, paper publication and patent application
- Flexible working arrangements and annual leave benefits
- Regular internal academic seminars and cross-team collaborative research opportunities

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