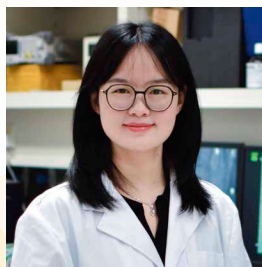


## STUDENTS' ACHIEVEMENTS

Our students and graduates continue to shine globally, achieving remarkable milestones in science, business, and innovation. Here are some recent highlights of their outstanding accomplishments.

## Schmidt Science Fellowship Awarded to PhD Student in Chemistry



**Dr Dengping LYU**, a recent PhD graduate in the Department of Chemistry and now a postdoctoral researcher at Massachusetts Institute of Technology (MIT), was selected as a **Schmidt Science Fellow** — one of the most prestigious postdoctoral fellowships highly regarded in the global scientific community. She is the first scholar nominated by a university in Hong Kong to receive this honour, joining an elite group of 32 early-career scientists worldwide.

Lyu's research focuses on colloidal synthesis and self-assembly, creating hierarchical superstructures with potential applications in sensing, catalysis, and optics. With the fellowship, she will pivot to materials engineering, aiming to design intelligent materials inspired by living systems. Her work holds the promise of revolutionising fields like biomedicine, soft robotics, and electronics.

## Astronomy Team Wins Bronze in International Space Science Competition

A team of undergraduate astronomy enthusiasts earned a bronze medal at the **International Space Science and Scientific Payload Competition (ISSSP2024)**. Supervised by **Dr Andreas RITTER** from the HKU Laboratory for Space Research (LSR), the team led by Physics student **Nok Him WONG** and included members **Pak Hei LAM**, **Kiu Ching LEE** and **Tsz Yau Martin WONG** (all from Physics), as well as **Ngai CHU** (Chemistry).

Their innovative project addresses space debris and sustainability by using electromagnets and lasers to de-orbit debris, contributing to the fight against the Kessler Syndrome — a scenario where space debris collisions create a cascade of further debris, threatening the safety of satellites and space operations.

The team's dedication to space sustainability earned them recognition and invitations to present at the International Astronautical Congress in October and International Conference on Space Sustainability organised by LSR in December 2024.



## Risk Management Student Leads Team to Victory in HKGCC Business Case Competition 2024



**Megan ANGELES** (second from the left), a BSc student majoring in Risk Management, played a pivotal role as the Risk Control Analyst for Team ChroCare, which won the **Champion's Title** in the **HKGCC Business Case Competition 2024 (Chevalier Group Track)**.

The team impressed judges with their advanced customer sentiment analysis, financial modelling, market forecasting, and risk assessment, showcasing the comprehensive skills developed during their undergraduate studies. This victory highlights HKU's commitment to fostering real-world problem-solving and collaboration across disciplines.

## Actuarial Science Students Triumph at 2024 PRMIA Risk Management Challenge

From the left: **Ziqi Xu** and **Muhammad Hussain** of the School of Computing and Data Science (Department of Statistics and Actuarial Science); **Muhammad Mubeen** of the Faculty of Engineering.

Two Actuarial Science students, **Ziqi XU** and **Muhammad HUSSAIN**, along with a teammate from the Faculty of Engineering, formed Team BossTon and won the prestigious **2024 PRMIA Risk Management Challenge (PRMC)**.

The competition focused on analysing the 2023 banking crisis. The team proposed innovative solutions, such as algorithms to assess social media sentiment, Central Bank Digital Currencies (CBDCs), and enhanced regulatory frameworks. Their victory is especially significant as they surpassed master's students from top global business schools, demonstrating the exceptional talent nurtured at HKU.

