



# SPSIANS

UPDATED 2020



"SPS provided me a conducive learning environment to ask questions, make mistakes, and then learn from them. I also got the opportunity to organise various events for the wonderful community as the President of the SPS Committee."

**Koo Fang Ru**  
SPS student mentor (Class of 2017)

# SPECIAL PROGRAMME IN SCIENCE

"Modern research encompasses the need to rethink and go beyond traditional approaches in understanding complex biological systems. The robust and holistic learning in the multidisciplinary environment of SPS equipped me with the mindset to do so."



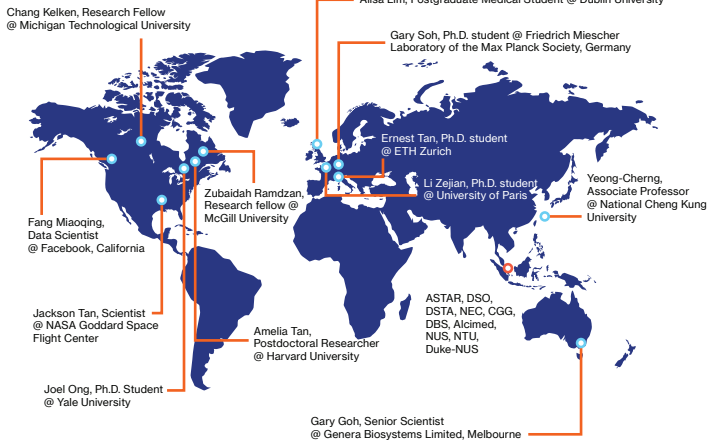
**Lee Yew Mun**  
SPS alumni  
Postdoctoral Research Fellow, NUS



"SPS imparted me with valuable research experiences, countless opportunities for self-development and interpersonal skills which I tap into on a daily basis now. It has shaped much of my undergraduate life, and I'm confident that the lessons I learnt will carry me far in the world of scientific research."

**Ravinraj Ramaraj**  
SPS student mentor (Class of 2016)

## ALUMNI



## JOIN US!

Looking for inquisitive individuals with a strong passion for science, and a willingness to learn new things out of your comfort zone.



For more information, please visit:  
<http://sps.nus.edu.sg>

Send your enquiries to:  
[enquire@sps.nus.edu.sg](mailto:enquire@sps.nus.edu.sg)

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"SPS was instrumental in shaping my research journey. It provided a conducive and supportive environment to freely express and test my research ideas. Having mentors from various scientific fields encourages the exchange of ideas and perspectives in an intellectually stimulating environment."

**Mavis Kang**  
Outstanding Undergraduate Researcher Prize (2019)  
SPS graduate mentor (Class of 2015)



A multidisciplinary programme for a select group of students with the passion and aptitude for science

## OVERVIEW

### What

A student-oriented programme, specifically designed to train budding scientists in multidisciplinary sciences.

### Who

Creative individuals who share a common passion for science and intellectual challenges, and are willing to work hard and play hard.

### How

An integrated approach to all scientific disciplines, innovative teaching methods, peer learning, mentoring, seminars, wet laboratory and field work, and a close-knit community of aspiring scientists.

### Why

Build scientific knowledge.

Develop research and computational skills.

Improve teamwork, communication and leadership skills.

Have fun while learning new things!

## MILESTONES

1996

SPS was established as the Faculty of Science Talent Development programme.

2011

SPS adopts the Integrated Science Curriculum.

2016

SPS celebrates its 20<sup>th</sup> anniversary.  
SPS Fund launched to help financially disadvantaged students.

## INTEGRATED SCIENCE CURRICULUM

### SP2171

**Discovering Science** lays the foundation for your journey as a scientist through training in scientific writing, information literacy, literature reviews, programming and science communication.



### SP3172

**Integrated Science Project** is a fast track to gain valuable research experience. You will conduct an interdisciplinary research project under the supervision of a Principal Investigator and SPS mentors.

## ATOMS TO MOLECULES

### SP2173

**Atoms to Molecules** examines particles, their quantum properties, and how they come together to form molecules.



### SP2174

**The Cell** studies how cells behave as stochastic systems that harness, store and utilise energy in ways that obey conservation laws.



### SP3175

**The Earth** uses system thinking, computer modelling and fieldwork to investigate and unravel the keys to what makes Earth so special.

### SP3176

**The Universe** explores cosmological models and astronomical observations, and how interdisciplinary science shapes our understanding of the universe.

