

Department Engagement Events

The Departments of Biological Sciences, Chemistry, Mathematics, Physics and Statistics and Applied Probability each hosted a half-day visit to encourage prospective students who received admission offers to study Science at NUS. The departments customised their programmes to provide information on our Science courses, other learning opportunities and the career prospects of Science graduates.

The activities, held from 10 to 22 April 2017, included talks, laboratory visits, hands-on activities and meetings with Faculty members and students. These visits complemented the Faculty's key pre-admission events, namely, NUS Open Day and the Faculty Open House.

The Department of Biological Sciences organised talks by Prof Henry MOK on an overview of NUS Life Sciences, Prof Antonia MONTEIRO on Environmental Biology, Prof Cynthia HE on Molecular and Cell Biology and Prof Timothy SAUNDERS on Biophysics. Following a tea session, visitors were given guided laboratory tours of the Protein and Proteomics Centre, a facility housing state-of-the-art mass spectrometers for advanced research in proteins and oncology biomarker research for rapid cancer detection and screening applications; a new insectary for exotic insects and spider species from all over the world; and the Centre for BioImaging Sciences, which focuses on the science and application of biological imaging by light and electron microscopy.



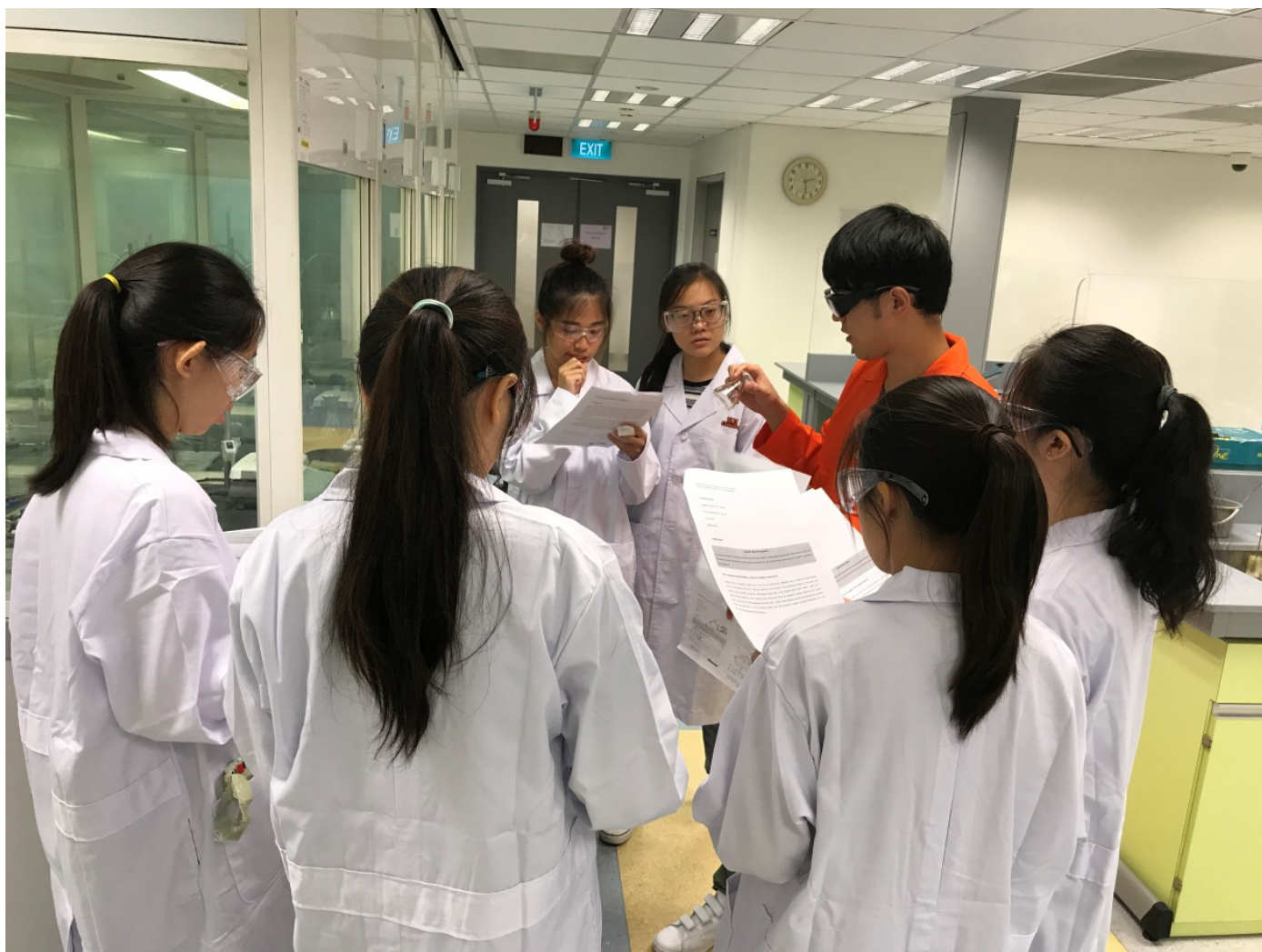
Department of Biological Sciences' tea session where faculty members mingled and chatted with the students in small groups

The Department of Chemistry arranged a half-day programme for visiting students and their parents, commencing with a talk on the Chemistry undergraduate curriculum by Prof Richard WONG and Prof ANG Wee Han. The talks focused on the syllabus, its relevance to industry and career prospects after graduation. The students were also given the opportunity to conduct hands-on practicals in preparing metal-organic frameworks with luminescent properties, at the new General Chemistry Teaching Laboratory, to pique their interest in inquiry-based experiments. The visitors were also brought around campus on a bus tour. The session ended with a tea session hosted by Prof Wong, during which participants interacted with faculty members over light refreshments.





Talks by Prof Richard Wong and Prof Ang Wee Han on the NUS Chemistry curriculum



Students had the opportunity to perform experiments in the new General Chemistry Teaching Laboratory

The Food Science and Technology (FST) Programme, which is admitting students through Direct Admissions for the first time in 2017, organised a programme introduction on the course curriculum and career prospects. This was followed by a forum session where students and parents had their queries addressed by undergraduates, alumni and faculty staff.

The Department of Mathematics organised talks by Prof Victor TAN on an overview of the Mathematics curriculum and career prospects for graduates, Prof TAN Hwee Huat on the Quantitative Finance programme and a sharing session by alumnus Mr KHOR Shi-Jie who spoke about how studying mathematics helped him in his job with Google. Visitors were also given the option to have a department tour and to participate in a Maple laboratory session.



Prof Victor Tan shared on the NUS Mathematics curriculum and career prospects while Prof Tan Hwee Huat shared on the Quantitative Finance programme



Students interacted with faculty members at a tea session

The Physics Department organised a student sharing session and a curriculum talk. It also hosted tours to its laboratories and facilities. These included the Roll-off-Roof Observatory (2011): 17" Plain-Wave CDK (F6.8 Corrected Dall-Kirkham) Astrograph Telescope (Dual carbon-fiber truss design) equipped with a 4" Takahashi (Hydrogen Alpha Solarscope) on the latest computerised Showa 25E German Equatorial Mount; the Centre for Ion Beam Applications, which develops new technologies based on fast protons and ions; as well as the Science Demonstration Laboratory which encourages science discovery through hands-on demonstrations.

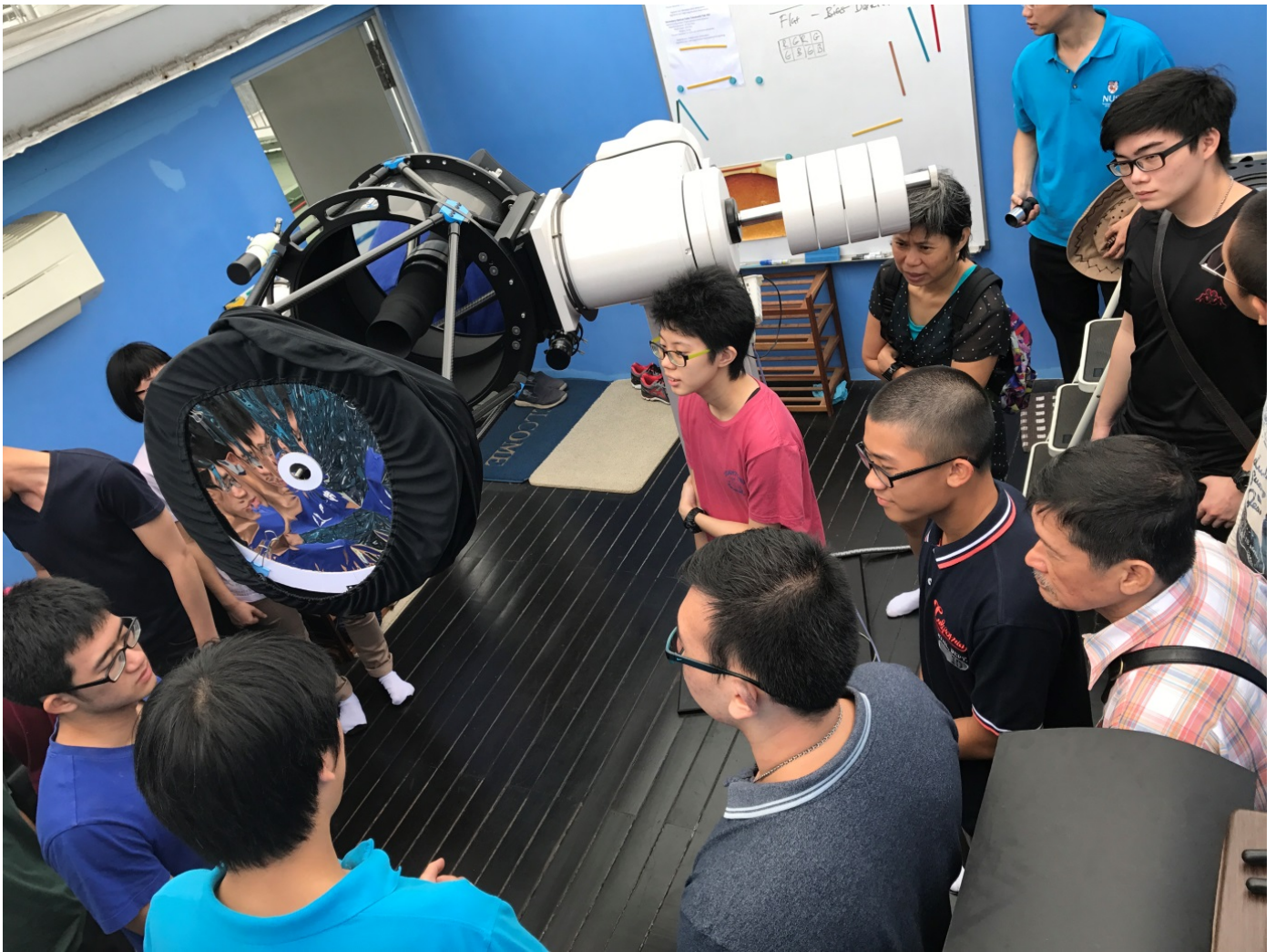


Prof Sow Chong Haur shared with students on the NUS Physics curriculum and career opportunities for physicists



Visitors were intrigued with Prof Sow's experiment





Participants visited various facilities at the Physics Department



Faculty members interacted with students after the facility visits



A group photo of the visitors and faculty members of the Physics Department

For the first time, visitors were introduced to the new Data Science and Analytics programme through an academic talk and a lunch reception-cum sharing session by Statistics alumnus Dr Murphy CHOY, Director of Analytics, Operations and Technology, DART Institute. Dr Choy discussed a practitioner's perspective of data analytics and how his passion for Statistics kindled his ability to perceive problems in many dimensions and to implement complex solutions.

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