

GYSS 2022 PROGRAMME FOR MORNING (17 TO 21 JANUARY 2022)

Time (SGT)	Monday, 17 January	Tuesday, 18 January	Wednesday, 19 January	Thursday, 20 January	Friday, 21 January
0800		Small group informal sessions (by invite only) <i>Prof Leslie Valiant</i> <i>Prof M. Stanley Whittingham</i>	Small group informal sessions (by invite only) <i>Prof B. Jayant Baliga</i> <i>Prof Ngô Bảo Châu</i> <i>Prof Thomas Cech</i>	Small group informal sessions (by invite only) <i>Dr William D. Phillips</i> <i>Prof Robert Langer</i>	Small group informal sessions (by invite only) <i>Sir Andre Geim</i> <i>Prof Michael Young</i> <i>Prof Takaaki Kajita</i> <i>Prof Thomas Südhof</i>
0900		Panel Discussion Preparing for the Next Pandemic <i>Prof Thomas Cech</i> <i>Prof Robert Langer</i> <i>Prof Wang Linfa</i> Moderator: <i>Prof Teo Yik Ying</i>	Plenary Lecture Quantum Reform of the Modern Metric System <i>Dr William D. Phillips</i>	Plenary Lecture Chronic Social Isolation Signals Starvation in the Drosophila Brain and Reduces Sleep <i>Prof Michael Young</i>	Plenary Lecture Drug development for neurodegenerative disorders <i>Prof Thomas Südhof</i>
0915					
0930					
0945			Panel Discussion Start-Up Opportunities for Young Scientists <i>Prof Robert Langer</i> <i>Prof Stuart Parkin</i> <i>Prof Alberto Sangiovanni-Vincentelli</i> Moderator: <i>Dr Lim Jui</i>	Panel Discussion Next Generation Grid <i>Prof B. Jayant Baliga</i> <i>Prof Stanley Whittingham</i> <i>Prof Ron Hui</i> Moderator: <i>Dr Yeoh Lean Weng</i>	Plenary Lecture The critical role of storage for renewable energy and climate change <i>Prof M. Stanley Whittingham</i>
1000		Plenary Lecture The IGBT Device: From Invention and Commercialization to Global Social Impact <i>Prof B. Jayant Baliga</i>			
1015					
1030					Plenary Lecture Complete Replication of Chromosome Ends <i>Prof Thomas Cech</i>
1045		Plenary Lecture Where Neuroscience Meets Computer Science <i>Prof Leslie Valiant</i>	Plenary Lecture How Curiosity Driven Research Resulted in the Nobel Prize in Medicine <i>Prof Barry Marshall</i>	Plenary Lecture Random Walk to Graphene <i>Sir Andre Geim</i>	
1100					Closing Remarks <i>Prof Low Teck Seng, CEO, NRF</i> <i>Prof Bertil Andersson, Senior Advisor, NRF</i>
1115					
1130		Plenary Lecture The Riemann zeta function <i>Prof Ngô Bảo Châu</i>	Young Scientist Presentation	Young Scientist Presentation	
1145					
1200					
1215		Young Scientist Presentation			
1230			Networking	Networking	
1315		Networking			
After 1315	Recordings of the morning sessions will be published on the NRF YouTube channel				

	Plenary Lectures		Panel Discussions		Small Group Informal Sessions		Young Scientist Presentation
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GYSS 2022 PROGRAMME FOR AFTERNOON (17 TO 21 JANUARY 2022)

Time (SGT)	Monday, 17 January	Tuesday, 18 January	Wednesday, 19 January	Thursday, 20 January	Friday, 21 January
1600	Opening Address <i>Mr Heng Swee Keat, Deputy Prime Minister of Singapore, Chairman of the National Research Foundation</i>	Networking/ Small group informal sessions (by invite only) <i>Prof Alessio Figalli Prof Aaron Ciechanover Prof Didier Queloz</i>	Networking/ Small group informal sessions (by invite only) <i>Prof Ada Yonath Prof Barry Marshall Prof Stefan Hell Dr Venki Ramakrishnan</i>	Networking/ Small group informal sessions (by invite only) <i>Prof Stuart Parkin</i>	
1615	Panel Discussion Has Scientific Research Fundamentally Changed <i>Prof Aaron Ciechanover Prof Stefan Hell Dr Venki Ramakrishnan Moderator: Sir Peter Gluckman</i>				
1630					
1645					
1700	Plenary Lecture <i>Sir Konstantin Novoselov</i>	Panel Discussion Unmet Challenges in Physics <i>Prof Takaaki Kajita Prof Didier Queloz Prof Artur Ekert Moderator: Prof Lai Choi Heng</i>	Plenary Lecture Exploiting genetic code translation principles for the design of next generation therapeutics <i>Prof Ada Yonath</i>		
1715				Plenary Lecture Recent developments in optimal transport theory <i>Prof Alessio Figalli</i>	
1730					
1745	Plenary Lecture MINFLUX and MINSTED provide molecule-scale resolution in fluorescence microscopy <i>Prof Stefan Hell</i>	Plenary Lecture COVID-19: The road to cure is strewn with bioethical bumps <i>Prof Aaron Ciechanover</i>	Plenary Lecture <i>Prof Stuart Parkin</i>		
1800				Plenary Lecture On finding theorems, and a career <i>Prof Cédric Villani</i>	
1815					
1830	Plenary Lecture Using electron microscopy to study ribosomes in action <i>Dr Venki Ramakrishnan</i>	Plenary Lecture Neutrino oscillations <i>Prof Takaaki Kajita</i>	Young Scientist Presentation		
1845				Young Scientist Presentation	
1855					
1900	Panel Discussion Artificial Intelligence, Ethics and Governance <i>Prof Cédric Villani Prof Leslie Valiant Prof Simon Chesterman Moderator: Prof Chan Heng Chee</i>				
1915					
1930					
1945	Young Scientist Presentation				
2000					
After 2015	Recordings of the afternoon sessions will be published on the NRF YouTube channel.				

	Plenary Lectures		Panel Discussions		Small Group Informal Sessions		Young Scientist Presentation
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