

## Intercontinental Academia Singapore March 19-27 2018

Orchid Room, NTU Campus Clubhouse, 50 Nanyang View, Singapore 639667

Sunday 18 March	18:30 Welcome Reception @ Cosmo		
Monday 19 March	Morning	Afternoon	Evening
<u>Fellows</u> All Fellows <u>Mentors</u> Professor Michal Feldman Professor David Gross Professor Patrick Geary Professor Gil Kalai Professor Michel Spiro <u>Directors</u> Professor Lars Brink Professor Kwek Leong Chuan Professor Michael J Hannon Professor Phua Kok Khoo Professor Eliezer Rabinovici <u>Birmingham Organising Group</u> Professor Damien Walmsley (University of Birmingham) <u>Guests</u> Professor Nargiza Amirova (IAR Nagoya University)	<b>Welcome</b> <b>09:00-09:30</b> Phua Kok Khoo Michael J Hannon Eliezer Rabinovici Kwek Leong Chuan Sue Gilligan  Briefing on: Mentor talks responses 1:1s with Mentors Thematic Panels Projects and outcomes Presentation to Brazil  <b>09:30-12:00</b> Fellows introductions to each other Mind-mapping and planning  <b>Includes 10:30 Refreshments break</b>  <b>12:00 Morning wrap up</b>	<b>Mentor talks and responses</b> <b>Chair - Eliezer Rabinovici</b>  <b>13:30-15:30 Michal Feldman</b>  <b><i>Algorithmic Game Theory: the Crossroad of Computer Science, Game Theory, and Economics</i></b>  Response and discussion <i>Michel Spiro + two fellows</i>  <b>15:30 Refreshments</b>  <b>15:45-17:45 Patrick Geary</b>  <b><i>Laws of History and Laws in History</i></b>  Response and discussion <i>David Gross + two fellows</i>	<b>Dinner</b> <b>Catering @ Orchid Room</b> <b>18:30</b>  <b>20:00-21:00 Evening discussion</b>  All fellows Michal Feldman Patrick Geary

Tuesday 20 March		Morning	
<p><u>Fellows</u> All Fellows</p> <p><u>Mentors</u> Professor Penny Andrews Professor Michal Feldman Professor Patrick Geary Professor David Gross Professor Gil Kalai Professor Atul Parikh Professor Michel Spiro</p> <p><u>Directors</u> Professor Lars Brink Professor Kwek Leong Chuan Professor Michael J Hannon Professor Phua Kok Khoo Professor Eliezer Rabinovici</p> <p><u>Birmingham Organising Group</u> Professor Damien Walmsley (University of Birmingham)</p> <p><u>Guests</u> Professor Nargiza Amirova (IAR Nagoya University)</p>	<p><b>Fellows' 6 minute Presentations</b></p> <p><b>09:00-09:30</b> <i>Dr Vahid Aryadoust</i> <b>Why aren't there any "Scientific Laws" in Applied Linguistics?"</b> <i>Dr VV Binoy</i></p> <p><b>Determinants of Social Decision-making: a Tale of Two Vertebrates</b> <i>Dr Anupam Chattopadhyay</i> <b>Laws of Digital Evolution</b></p> <p><b>09:30-10:00</b> <i>Dr Willem Gravett</i> <b>The Legal System's Uneasy Relationship with Social Science: Can Rigidity Make Way for a Dynamic?</b> <i>Dr Dr Hanjo Hamann</i></p> <p><b>Why European Lawyers Call Their Trade a "Science", and What That Tells Us About Their Dynamical Systems Perspective</b> <i>Dr Uli Heisserer</i></p> <p><b>Industrial Research in Materials Science: Doing Meaningful Things where Laws of Nature (science), Laws of Society (legislation, ethics) and Market Laws Interplay</b></p> <p><b>10:00-10:40</b> <i>Dr Wai-Yip Ho</i> <b>Rigidity and Dynamics: Considering Islamic Law</b> <i>Dr Nkatha Kabira</i></p> <p><b>Commissions as Technologies of Law and Governance</b> <i>Dr Isabel Kusche</i></p> <p><b>Legal Rules: Content versus Meaning</b> <i>Dr Irina Kuznetsova</i></p> <p><b>Law, Mobility and Bodies: Developing an Interdisciplinary Theoretical and Methodological Approach to Studying the Outcomes of Displacement</b></p>	<p><b>10:40-11:00</b> Refreshments</p> <p><b>11:00-11:30</b> <i>Dr Petra Liedl</i> <b>Laws and Sustainability- How do Laws Support Transformation Processes?</b> <i>Dr Kenneth Lim</i></p> <p><b>Intuitions and Learning, and (very) early musings on Intuitions and Laws</b> <i>Dr David Maimon</i></p> <p><b>Regulating Computer Users' Online Behaviors: Online and Offline Architectures of Control</b></p> <p><b>11:30-12:00</b> <i>Professor Yoh Matsuo</i> <b>Two Concepts of Law: Legal and Scientific</b> <i>Dr Katrien Pype</i></p> <p><b>Mobile Phones: the Matter of Communication</b> <i>Dr Tom Schonberg</i></p> <p><b>New Paradigms, Open Science and Neuroethics of "mind-reading"</b></p> <p><b>12:00-12:30</b> <i>Dr Michal Smolkin</i> <b>Law through the Lens of Physics</b> <i>Dr Carla Aparecida Arena Ventura</i></p> <p><b>International Law and International Human Rights Law: Exploring Interrelationships, Rigidity and Dynamics in the areas of Health and Mental Health</b> <i>Dr Al Wilson</i></p> <p><b>Laws of Nature: Unity and Variety</b></p>	

Tuesday 20 March (cont.)	Afternoon	Evening
<p><u>Fellows</u> All Fellows</p> <p><u>Mentors</u> Professor Penny Andrews Professor Michal Feldman Professor Patrick Geary Professor David Gross Professor Gil Kalai Professor Atul Parikh Professor Michel Spiro</p> <p><u>Directors</u> Professor Lars Brink Professor Kwek Leong Chuan Professor Michael J Hannon Professor Phua Kok Khoo Professor Eliezer Rabinovici</p> <p><u>Birmingham Organising Group</u> Professor Damien Walmsley (University of Birmingham)</p> <p><u>Guests</u> Professor Nargiza Amirova (IAR Nagoya University)</p>	<p><b>Mentor talks and responses</b></p> <p><b>Chair - Nargiza Amirova</b></p> <p><b>13:30-15:30</b></p> <p><i>Penny Andrews</i></p> <p><b><i>The “Casserole Constitution”: The South African Constitution and International Laws</i></b></p> <p>Response and discussion <i>Gil Kalai + two fellows</i></p> <p><b>15:30 Refreshments</b></p> <p><b>Chair - Lars Brink</b></p> <p><b>15:45-17:45</b></p> <p><i>Gil Kalai</i></p> <p><b><i>The Laws of Physics vs. the Laws of Computation – Laws and Errors in the Case of Quantum Computers</i></b></p> <p>Response and discussion <i>Atul Parikh + two fellows</i></p>	<p><b>Dinner</b> <b>Catering @ Orchid Room</b> <b>18:30</b></p> <p><b>20:00-21:00 Evening discussion</b></p> <p>All fellows</p> <p><i>Penny Andrews</i> <i>Gil Kalai</i></p>

Wednesday 21 March	Morning	Afternoon	Evening
<p><u>Fellows</u> All Fellows</p> <p><u>Mentors</u> Professor Penny Andrews Professor Suzanne Blier Professor Sir Partha Dasgupta Professor Michal Feldman Professor Patrick Geary Professor David Gross Professor Gil Kalai Professor Atul Parikh Professor Michel Spiro</p> <p><u>Directors</u> Professor Lars Brink Professor Kwek Leong Chuan Professor Michael J Hannon Professor Phua Kok Khoo Professor Eliezer Rabinovici</p> <p><u>Birmingham Organising Group</u> Professor Damien Walmsley (University of Birmingham)</p> <p><u>Guests</u> Professor Robin Mason (PVC International, University of Birmingham)</p>	<p><b>Mentor talks and responses</b></p> <p><b>Chair - Robin Mason</b></p> <p><b>09:00-11:00 Partha Dasgupta</b></p> <p><b><i>A Matter of Trust: Laws and Norms</i></b></p> <p>Response and discussion <i>David Gross + two fellows</i></p> <p><b>11:00-11:15 Refreshments</b></p> <p><b>Chair - KK Phua</b></p> <p><b>11:15-13:15 David Gross</b></p> <p><b><i>The Nature of Laws and Principles in Physics</i></b></p> <p>Response and discussion <i>Patrick Geary + two fellows</i></p>	<p><b>Mentor talks and responses</b></p> <p><b>Chair - Mike Hannon</b></p> <p><b>14:15-16:15 Michel Spiro</b></p> <p><b><i>CERN a Collective Machinery to Test Laws against Nature</i></b></p> <p>Response and discussion <i>Michal Feldman + two fellows</i></p> <p><b>16:15-16:30 Refreshments</b></p> <p><b>16:30-18:30 Suzanne Blier</b></p> <p><b><i>From Fair Use to Zoning Ordinance: Challenging the Law for Public Benefit</i></b></p> <p>Response and discussion <i>Partha Dasgupta + two fellows</i></p> <p><b>Dinner transport leaves at 19:00</b></p>	<p><b>Dinner 20:00</b></p> <p>Tanglin Club Churchill Room 5 Stevens Rd, Singapore 257814</p> <p><a href="http://www.tanglinclub.org.sg/about/club-history.html">http://www.tanglinclub.org.sg/about/club-history.html</a></p>

Thursday 22 March	Morning and Afternoon	Evening
<p><u>Fellows</u> All Fellows</p> <p><u>Mentors</u> Professor Penny Andrews Professor Suzanne Blier Professor Sir Partha Dasgupta Professor Michal Feldman Professor David Gross Professor Patrick Geary Professor Gil Kalai Professor Atul Parikh Professor Michel Spiro</p> <p><u>Directors</u> Professor Lars Brink Professor Kwek Leong Chuan Professor Michael J Hannon Professor Phua Kok Khoo Professor Eliezer Rabinovici</p> <p><u>Birmingham Organising Group</u> Professor Damien Walmsley University of Birmingham</p> <p><u>Guests</u> Professor Robin Mason (PVC International University of Birmingham)</p>	<p><b>Thematic panel day - to be planned by Fellows</b></p> <p>09:00-10:30 SESSION 1</p> <p>10:30-11:00 Refreshments</p> <p>11:00-13:00 SESSION 2</p> <p>13:00-14:00 Lunch</p> <p><b>Lunchtime discussion</b></p> <p>All fellows David Gross Michel Spiro</p> <p>14:00-16:00 SESSION 3</p> <p><b>Includes 15:00 Refreshments break</b></p> <p>Transport to leave at 17:00</p>	<p><b>Dinner hosted by</b> <b>Professor Robin Mason</b> (PVC International University of Birmingham)</p> <p>#06-01 National Gallery Singapore 1 St. Andrew's Road Singapore 178957 Tel: +65 9234 8122 Fax: +65 63845575</p> <p>18:00 Welcome Drink <a href="#">Smoke and Mirrors</a></p> <p>18:30-20:30 <a href="#">Dinner, Yan</a></p> <p>Nanyang Executive Centre 23:00 – 23:30 (12:00 Sao Paulo Time)</p> <p><a href="#">Link with</a> <a href="#">UBIAS Directors' Meeting</a></p> <p>Session UBIAS programs: Results of ICA 1 and 2 Contact with ongoing ICA 3</p>

Friday 23 March	Morning	Afternoon	Evening
<p><u>Fellows</u> All Fellows</p> <p><u>Mentors</u> Professor Penny Andrews Professor Suzanne Blier Professor Sir Partha Dasgupta Professor Patrick Geary Professor Wang Gungwu Professor Gil Kalai Professor Atul Parikh Professor Ernst Rank Professor Ada Yonath</p> <p><u>Directors</u> Professor Lars Brink Professor Kwek Leong Chuan Professor Michael J Hannon Professor Phua Kok Khoo Professor Eliezer Rabinovici</p> <p><u>Birmingham Organising Group</u> Professor Damien Walmsley (University of Birmingham)</p>	<p><b>Mentor talks and responses</b></p> <p><b>Chair - Mike Hannon</b></p> <p><b>09:00-11:00 Ernst Rank</b></p> <p><i>Laws and Beauty – a view from Computational Sciences</i></p> <p>Response and discussion <i>Penny Andrews + two fellows</i></p> <p><b>11:00-11:15 Refreshments</b></p> <p><b>Chair - KK Phua</b></p> <p><b>11:15-13:15 Wang Gungwu</b></p> <p><i>Chinese Historiography, on History as a Mirror of Government</i></p> <p>Response and discussion <i>Ada Yonath + two fellows</i></p>	<p><b>Project and outcomes challenge</b></p> <p><b>14:15-16:00</b> Fellows planning project outcomes</p> <p><b>16:00</b> Refreshments</p> <p><b>16:15-17:45</b> Presentation of projects</p>	<p><b>Dinner</b></p> <p><b>18:30</b> <b>BBQ outside Orchid Room</b></p> <p><b>20:00-21:00 Evening discussion</b> All fellows Suzanne Blier Partha Dasgupta</p>

Saturday 24 March	Morning	Afternoon	Evening
<u>Fellows</u> All Fellows	<b>Chair - Kwek Leong Chuan</b> <b>09:00-11:00</b> Atul Parikh  <i>At the Limits of Laws of Thermodynamics: From Single Molecules to Living Matter</i>  Response and discussion <i>Suzanne Blier + two fellows</i>	<b>Transport leaves at 14:30</b>  15:30-17:30 <b>ArtScience Museum</b> 6 Bayfront Ave, Singapore 018974  Gather at 17:30 for dinner transport	<u>Dinner</u>  <b>18:30</b> Buffet dinner  Hotel Jen @ Orchardgateway 277 Orchard Rd, Singapore 238858  <b>Return transport to NEC at 20:30</b>
<u>Mentors</u> Professor Suzanne Blier Professor Sir Partha Dasgupta Professor Patrick Geary Professor Atul Parikh Professor Ernst Rank Professor Ada Yonath			
<u>Directors</u> Professor Lars Brink Professor Kwek Leong Chuan Professor Michael J Hannon Professor Phua Kok Khoo Professor Eliezer Rabinovici	<b>11:00-11:15</b> Refreshments  <b>Chair - Eliezer Rabinovici</b>  <b>11:15-13:15</b> Ada Yonath  <i>Thoughts about Functional Flexibility and Origin of Life: The Creation of Multi Tasks Complex Systems</i>  Response and discussion <i>Ernst Rank + two fellows</i>		
Sunday 25 March	Morning	Afternoon	Evening
<u>Fellows</u> All Fellows	<b>08:00 Depart from NEC</b>  Pulau Ubin and Chek Jawa Lunch at Pulau Ubin	<b>15:00-15:45 Changi Museum</b>  <b>16:15-17:00 Sun Yat Sen Nanyang Memorial Hall</b>	<u>Dinner</u>  <b>17:30 Satay by the Bay</b> 18 Marina Gardens Drive #01-19 Singapore 018953  <b>Return transport to NEC at 20:30</b>
<u>Mentors</u> Suzanne Blier Patrick Geary Atul Parikh Ernst Rank Ada Yonath	<b>14:30 Return to Singapore main island</b>		
<u>Directors</u> Kwek L Chuan Michael J Hannon Phua Kok Khoo Eliezer Rabinovici Lars Brink			

Monday 26 March	Morning	Afternoon	Evening
<u>Fellows</u> All Fellows	<b>Fellows-led programme</b>  09:00-10:30 SESSION 1	<b>Fellows-led programme</b>  14:00-15:30 SESSION 3	<b>Dinner</b> <b>Catering @ Orchid Room</b> <b>18:30</b>
<u>Mentors</u> Professor Patrick Geary Professor Atul Parikh Professor Ernst Rank Professor Ada Yonath	10:30-11:00 Refreshments  11:00-13:00 SESSION 2  13:00-14:00 Lunch	15:30-15:45 Refreshments  15:45-17:30 SESSION 4	<b>20:00-21:00 Evening discussion</b> All fellows Atul Parikh Ernst Rank Ada Yonath
<u>Directors</u> Professor Lars Brink Professor Kwek Leong Chuan Professor Michael J Hannon Professor Phua Kok Khoo Professor Eliezer Rabinovici			
Tuesday 27 March	Morning	Afternoon	Evening
<u>Fellows</u> All Fellows	<b>Fellows-led programme</b>  09:00-10:30 SESSION 1	<b>Plenary and close</b>  14:00-15:00	
<u>Mentors</u> Professor Atul Parikh Professor Ernst Rank Professor Ada Yonath	10:30-11:00 Refreshments  11:00-13:00 SESSION 2  13:00-14:00 Lunch		
<u>Directors</u> Professor Kwek Leong Chuan Professor Michael J Hannon Professor Phua Kok Khoo Professor Eliezer Rabinovici			