

August 1, 2017 - Tuesday

	PLENARY Ground Floor	ROOM 201 Ground Floor	ROOM 203 1st floor	ROOM 210 1st floor	ROOM 205 1st floor	ROOM 207 1st floor	ROOM 208 1st floor	ROOM 211 1st floor
14:00 - 17:00	<b>REGISTRATION</b>							
17:00 - 18:00	<b>OPENING CEREMONY</b>							
18:00 - 19:00	PLENARY LECTURE <b>DENIS NOBLE (UK)</b> Dance to the Rhythms of Life: physiology returns to centre stage							
19:00 - 20:00	PLENARY LECTURE <b>ADA YONATH (ISRAEL)</b> Resistance to antibiotics, the microbiome and environmental issues, thoughts about the future. <b>Denis Noble</b> - (Chair - UK)							
19:30 - 20:00	<b>RHYTHMS OF LIFE</b>				<b>RHYTHMS OF LIFE</b>			

August 2, 2017 - Wednesday

	PLENARY Ground Floor	ROOM 201 Ground Floor	ROOM 203 1st floor	ROOM 210 1st floor	ROOM 205 1st floor	ROOM 207 1st floor	ROOM 208 1st floor	ROOM 211 1st floor
08:00 - 08:30	<b>REGISTRATION</b>							
08:30 - 09:30	PLENARY LECTURE <b>DANIEL MARTIN (UK)</b> Physiology at extreme altitude							
9:45 - 11:45	<p><b>SYMPOSIUM</b> <b>From systems to organelles – understanding pancreatic beta cell function and dysfunction</b></p> <p>Miriam Cnop (Belgium) Licio Velloso (Chair - Brazil) Michael Sammeth (Brazil) Hemming Poost (Denmark)</p> <p>Sponsored by Sponsored by CEPID - Obesity and Comorbidities Research Center - UNICAMP/USP/LINESP/FAPESP</p>	<p><b>SYMPOSIUM</b> <b>The Exercise Pressor Reflex as a Mediator of Sympathetic Overactivity in Cardiovascular Disease</b></p> <p>Donal S. O'Leary (USA) Scott A. Smith (USA) Carlos Eduardo Negro (Brazil) Harjun Wang (Chair - USA) Denise Lobo (Brazil)</p> <p>Sponsored by The American Physiological Society and The American Journal of Physiology - Heart and Circulatory Physiology</p>	<p><b>SYMPOSIUM</b> <b>Intracellular Cl<sup>-</sup> (Cl<sup>-</sup>) sensing in cell signaling and ion transport</b></p> <p>Shmuel Muallem (Chair - USA) Melanie Cobb (USA) Seonghee Park (South Korea) Laura Canoncoda (Italy)</p> <p>Sponsored by The American Physiological Society and The American Journal of Physiology - Cell Physiology</p>	<p><b>SYMPOSIUM</b> <b>Oxytocin oscillations throughout the life span</b></p> <p>Kewir Nyuyki-Dufe (Canada) James Burkett (USA) Isana Caraca (USA) Aldo Bolten Lucion (Brazil) Inga D Neumann (Chair - Germany)</p>	<p><b>SYMPOSIUM</b> <b>Heterogeneity in Respiration: New Insights from new approaches</b></p> <p>Merryn Tavhai (Chair - New Zealand) Susan Hopkins (USA) Peter Wagner (USA) Isaac Cano (Spain)</p>	<p><b>SYMPOSIUM</b> <b>Dysolic and T-Tubule Remodelling in Cardiac Health and Disease</b></p> <p>Andrew Trafford (Chair - UK) Alicia Mattazzi (Argentina) Katharine Dibb (UK) Ting Ting Hong (USA)</p> <p>Sponsored by The Physiological Society</p>	<p><b>SYMPOSIUM</b> <b>Oscillations in neuronal ensembles of frontal cortex and the basal ganglia circuits implications for neurologic and psychiatric disease</b></p> <p>Per Petersson (Chair - Sweden) Romulo Fuentes (Chile) Gustavo Murer (Argentina) Ivani Brys (Brazil) Claudio Cunha (Brazil)</p>	<p><b>SYMPOSIUM</b> <b>Physiological and pathophysiological changes in the transcriptome: New targets for understanding autonomic regulation</b></p> <p>David Murphy (UK) Alastair V. Ferguson (Canada) Sabine Gouraud (Japan) Alex Paterson (UK) Andre Souza Mecawi (Chair - Brazil)</p>
12:00-13:00		<p><b>WOMEN IN SCIENCE 1 - Presidents of Physiological Societies: Equality and Differences</b></p>		<p><b>BIOPAC SATELLITE SYMPOSIUM</b> Increasing Student Engagement – and Educator Satisfaction—with Biopac Student Lab Presenter: <b>Tim Cook, Sales Representative Central and South America, BIOPAC Systems, Inc</b></p>		<p style="text-align: center;"><b>ASSEMBLÉIA SBFIS</b></p>		
13:00-14:00								
12:00 - 14:30	<b>POSTERS SESSIONS</b>							
14:45 - 16:45	<p><b>SYMPOSIUM</b> <b>Evolution Evolves: Physiology returns to Centre Stage</b></p> <p>David Paterson (Chair - UK) Michael Joyner (USA) Yoon Soen (Israel) Abigail Fowden (UK) Yonghua Sun (China)</p> <p>Sponsored by The Physiological Society</p>	<p><b>SYMPOSIUM</b> <b>Shared and unique aspects of the gating mechanisms of ligand- and voltage-gated ion channels</b></p> <p>Yoshihiro Kubo (Chair - Japan) Derek Bowie (Canada) Cecilia Bouzat (Argentina) Frank Bosmans (USA) Marc Giehlen (France)</p> <p>Sponsored by The Journal of Physiology and The Physiological Society</p>	<p><b>SYMPOSIUM</b> <b>New discoveries in tissue cross-talk, metabolic control and disease pathogenesis</b></p> <p>Bente Klarlund Pedersen (Denmark) Matthew Watt (Chair - Australia) Kasey Vickers (USA) Mark Tarnopolsky (Canada)</p>	<p><b>SYMPOSIUM</b> <b>New roles of Aldosterone and Mineralocorticoid receptors in cardiovascular disease: Translational and Sex-specific effects</b></p> <p>Frederic Jaquier (France) Jis Jaffe (USA) Rita Tostes (Brazil) Eric J. Belin de Chantemele (Chair - USA) Ana Paula Davel (USA)</p> <p>Sponsored by The American Physiological Society and The American Journal of Physiology – Regulatory, Integrative and Comparative Physiology</p>	<p><b>SYMPOSIUM</b> <b>Heart Failure and Atrial Fibrillation: Imbalance of Calcium Homeostasis</b></p> <p>William Louch (Chair - Norway) Cecilia Hidalgo (Chile) Shi-Qiang Wang (China) Bjorn Knudmann (USA) Morten Thomsen (Denmark)</p> <p>Sponsored by The Scandinavian Physiological Society</p>	<p><b>SYMPOSIUM</b> <b>Seasonal adjustments in Physiology: anticipatory or reflexive</b></p> <p>Charles Loren Buck (USA) Fritz Geiser (Australia) Dehua Wang (China) Danielle Levesque (USA) Kenia Cardoso Bicego (Chair - Brazil)</p>	<p><b>SYMPOSIUM</b> <b>Cellular and molecular aspects of synaptic transmission</b></p> <p>Yuko Sekino (Chair - Japan) Christian Gonzalez-Billault (Chile) Tomooki Shiro (Japan) Shernaz Bamji (Canada) Frederic Chedier (France)</p>	<p>Workshop Introducing the Physiome Journal</p> <p><b>-Peter Hunter (New Zealand)</b> - Introducing the Physiome Journal</p> <p><b>-David Nickerson (New Zealand)</b> - Standards and repositories supporting reproducible modelling</p> <p><b>-Alan Garry (France)</b> - OpenCOR: a modular and interoperable approach to reproducible modelling</p> <p>Hands-on tutorial and demonstrations</p>
17:00 - 18:00	<p><b>KEYNOTE LECTURE</b> <b>DÉCIO L. EIZIRIK (BELGIUM)</b> When one becomes many: alternative splicing in pancreatic beta cells</p>	<p><b>KEYNOTE LECTURE</b> <b>COLLEEN FARMER (USA)</b> Physiological and evolutionary implications of the discovery of unidirectional pulmonary airflow in lizards and crocodilians.</p>	<p><b>KEYNOTE LECTURE</b> <b>TOM KIRKWOOD (UK)</b> PATON PRIZE LECTURE – Why and How are We Living Longer? Introduction - Mike Tipton, UK Vote of Thanks - Susan Deuchars, UK</p> <p>Sponsored by The Physiological Society</p>	<p><b>KEYNOTE LECTURE</b> <b>KATSUHIKO MIKOSHIBA (JAPAN)</b> IP3 Receptor / Calcium Signaling: Its Role in Physiology and Pathophysiology</p>	<p><b>KEYNOTE LECTURE</b> <b>SUSAN WRAY (UK)</b> Myometrial Physiology – The Rhythms of Contraction and Life</p>			

August 3, 2017 - Thursday

	PLENARY Ground Floor	ROOM 201 Ground Floor	ROOM 203 1st floor	ROOM 210 1st floor	ROOM 205 1st floor	ROOM 207 1st floor	ROOM 208 1st floor	ROOM 211 1st floor
08:00 - 08:30	<b>REGISTRATION</b>							
08:30 - 09:30	PLENARY LECTURE <b>AMIRA KLIP (CANADA)</b> Immune cells co-opting metabolism to cause insulin resistance.							
9:45 - 11:45	<p><b>SYMPOSIUM</b> <b>Management and mismanagement of a physiological pH buffer: New concepts about CO<sub>2</sub>/HCO<sub>3</sub>- fluxes across biological membranes.</b></p> <p>Walter Boron (Chair - USA) Fraser J Moss (USA) Ernesto Alejandro Aiello (Argentina) Raif Musa-Aziz (Brazil) Mark D. Parker (USA)</p>	<p><b>SYMPOSIUM</b> <b>New insights into the biology of high-intensity exercise training</b></p> <p>Gulherme C. Artioli (Brazil) Nir Eynon (Chair - Australia) David Bishop (Australia) Maureen MacDonald (Canada) Barekht Falk (Canada)</p>	<p><b>SYMPOSIUM</b> <b>Cardiovascular Consequences of Pollution</b></p> <p>Fabien Brette (France) Holly Shiels (Chair - UK) John Incardona (USA) Elin Sorhus (Norway) Maureen MacDonal (UK)</p> <p>Sponsored by The Physiological Society</p>	<p><b>SYMPOSIUM</b> <b>Promoting Ethical Practices in Physiological Research</b></p> <p>Penny Moody-Corbett (Canada) Ashima Arand (Chair - India) John Vasconcelos (Brazil) Bill Yates (USA)</p>	<p><b>SYMPOSIUM</b> <b>What experimental models of human diseases have taught us?</b></p> <p>Patricia Rieken Macedo Rocco (Brazil) Claudia dos Santos (Chair - Canada) Sonia Vasconcelos (Brazil) Bela Suki (USA) Walter Zin (Brazil)</p>	<p><b>SYMPOSIUM</b> <b>Integrated Neural-Glial-Vasculature Control of Breathing</b></p> <p>Daniel K. Mulkey (Chair - USA) Gregory D. Funk (Canada) Hiroshi Onimaru (Japan) Fernando Peña-Oregia (Mexico) Luciane H. Gargalioni (Brazil)</p> <p>Sponsored by The American Physiological Society and The Journal of Neurophysiology</p>	<p><b>SYMPOSIUM</b> <b>New insights into the pathogenesis of Parkinson's disease</b></p> <p>Jawei Zhou (Chair - China) Gregory D. Funk (Canada) Elaine Del-Bel (Brazil) Rodrigo Pacheco (Brazil)</p> <p>Sponsored by Chinese Association Physiological Science (CAPS)</p>	<p><b>SYMPOSIUM</b> <b>Dynamic methods for improving undergraduate physiology education</b></p> <p>Pâmela Billig Mello-Carpes (Chair - Brazil) Barbeka Hurtt (USA) Fernanda Klein Marcondes (Brazil) Colleen Thomas (Australia) Kathleen Marie Bartlow (USA) Maria José Alves da Rocha (Brazil)</p>



08:30 - 09:30	<p><b>PLENARY LECTURE</b>  <b>DAVID EISNER (UK)</b>  ANNUAL REVIEW PRIZE LECTURE - Ups and downs of calcium in the heart.</p> <p>Introduction - Bridget Lumb, UK  Vote of Thanks - Denis Noble, UK</p> <p>Sponsored by The Physiological Society</p>							
9:45 - 11:45	<p><b>SYMPOSIUM</b>  <b>New Insights in the molecular physiology of the renal distal nephron</b></p> <p>Jenny van der Wijst (Chair - Netherlands)  Gerrit Daubner (UK)  Sung-Sen Yang (Taiwan)  Eisei Sohara (Japan)</p>	<p><b>SYMPOSIUM</b>  <b>Newly recognized G protein-coupled receptors (GPCRs) as novel regulators of physiology</b></p> <p>Paul A. Insel (Chair - USA)  Stefan Offermanns (Germany)  Debbie L. Hay (New Zealand)  Jennifer Pluznick (USA)  James Eberwine (USA)</p> <p>Sponsored by The American Physiological Society and The American Journal of Physiology - Regulatory, Integrative and Comparative Physiology</p>	<p><b>SYMPOSIUM</b>  <b>Diaphragm plasticity in ageing and disease: Therapies for muscle weakness go from strength to strength.</b></p> <p>Coen Ottenheijm (Netherlands)  Sarah M. Greising (Chair - USA)  Esther Barreiro (Spain)  Ken O'Halloran (Ireland)</p> <p>Sponsored by The American Physiological Society and The Journal of Applied Physiology</p>	<p><b>SYMPOSIUM</b>  <b>Neuroendocrine alterations in the hypothalamus by excess nutrients and endocrine disrupting chemicals causing metabolic disorders</b></p> <p>Denise D. Belsham (Chair - Canada)  Deborah Kurrasch (Canada)  Sarah A. Stanley (USA)  Deborah J. Klegg (USA)</p>	<p><b>SYMPOSIUM</b>  <b>Scope for Survival: Animals in Extreme Environments</b></p> <p>Marina Giacomini (Canada)  Paul Pongras (USA)  William K. Mifson (Chair - Canada)  Tobias Wang (Denmark)  Julia Nowack (Austria)</p>	<p><b>SYMPOSIUM</b>  <b>Modulation of physiological states of spinal networks to control posture and locomotion: underlying mechanisms and clinical translations</b></p> <p>Yuri Gerasimenko (Chair - Russia)  Ursula S. Hofstoetter (Austria)  Parag Gad (India)  Yuri Ivamenko (Italy)  V. Reggie Edgerton (USA)</p> <p>Sponsored by The American Physiological Society and The Journal of Neurophysiology</p>	<p><b>SYMPOSIUM</b>  <b>Priming for health: The relevance of the brain-gut communication</b></p> <p>Ludmila Filaretova (Russia)  Valentin A. Pavlov (Chair - USA)  Valery Danilenko (Russia)  Izabela Martina Ramos Ribeiro (Brazil)  Andreas Stengel (Germany)</p> <p>Sponsored by The American Physiological Society and The American Journal of Physiology - Gastrointestinal and Liver</p>	<p><b>SYMPOSIUM</b>  <b>Oxidative stress, aging and neurodegeneration</b></p> <p>Thomas Foster (USA)  Yohet Okubo (Japan)  Marco T. Nunez (Chile)  Roberto De Pasquale (Brazil)  Andrea Paula-Lima (Chair - Chile)</p>
12:00 - 14:30	<b>POSTERS SESSIONS</b>							
14:45 - 16:45	<p><b>SYMPOSIUM</b>  <b>Vasomotion - the rhythm of blood vessels</b></p> <p>Aneta Stefanovska (UK)  Vladimir Matchkov (Chair - Denmark)  Antonio Colantoni (Italy)</p>	<p><b>SYMPOSIUM</b>  <b>Oxygen variation through time</b></p> <p>Wilfried Klein (Chair - Brazil)  Markus Lambertz (Germany)  Jason E. Podrabsky (USA)  Gina Galli (UK)</p>	<p><b>SYMPOSIUM</b>  <b>The renin-angiotensin system: going beyond the classical paradigms</b></p> <p>Robson A.S. Santos (Chair - Brazil)  Michael Bader (Germany)  Ulrike Muscha Steckelings (Denmark)  Gavin Oudit (Canada)  Thiago Verano Braga (Brazil)</p> <p>Sponsored by Acta Physiologica</p>	<p><b>SYMPOSIUM</b>  <b>Mechanisms of mitochondria function and dysfunction</b></p> <p>Satoshi Matsuoka (Japan)  Donald Beets (USA)  Heping Cheng (Chair - China)  Yuriana Oropeza (Mexico)  Alejandro Cioffi Pardo (Argentina)</p>	<p><b>SYMPOSIUM</b>  <b>Gravitational Physiology, Aging and Medicine</b></p> <p>Nandu Goswami (Chair - Austria)  Giovanna Valenti (Italy)  Andrew P. Blüher (Canada)  Kishore K. Deepak (India)  Jean-Pierre Montani (Switzerland)</p> <p>Sponsored by The Austrian Physiological Society</p>	<p><b>SYMPOSIUM</b>  <b>Teaching Comparative Physiology: Multiple Approaches Promoting Learning</b></p> <p>Malcolm S. Gordon (Chair - USA)  Stacy Farina (USA)  Miriam Strübelner - (Brazil)  Marcia Trapp (Brazil)  Cuijuan Niu (China)</p> <p>Sponsored by The American Physiological Society and Advances in Physiology Education</p>	<p><b>SYMPOSIUM</b>  <b>Hypothalamic regulation of the cardiovascular system</b></p> <p>Hui-Lin Pan (Chair - USA)  Roger A. Dampney (Australia)  Lisete C. Michelini (Brazil)</p>	
17:00 - 18:00	<p><b>KEYNOTE LECTURE</b>  <b>YVETTE TACHÉ (USA)</b>  Stress and brain-gut interactions: role of corticotropin releasing factor</p>	<p><b>KEYNOTE LECTURE</b>  <b>PASCAL HOULLIER (FRANCE)</b>  <b>ROBERT PITTS LECTURE</b>  The Importance of the Paracellular Pathway.</p>	<p><b>KEYNOTE LECTURE</b>  <b>NEWTON CANTERAS (BRAZIL)</b>  The Many Paths to Fear  <b>Ruy R. Campos</b> - (Chair - Brazil)</p>	<p><b>KEYNOTE LECTURE</b>  <b>JULIAN F. R. PATON (UK)</b>  Targeting Afferent Transduction Mechanisms in Disease</p>	<p><b>KEYNOTE LECTURE</b>  <b>DUNCAN MITCHELL (SOUTH AFRICA)</b>  SCHMIDT NIELSEN LECTURE - How Animals Will Work Under Climate Change</p> <p>Sponsored by The Scandinavian Physiological Society</p>			
18:00-19:00	<p><b>PLENARY LECTURE</b>  <b>ROGER KORNBERG (USA)</b>  <b>WALLACE FENN LECTURE</b>  The Molecular Basis of Eukaryotic Gene Transcription  <b>Walter Boron</b> (Chair - USA)</p>							
19:00 - 19:30	<b>CLOSING CEREMONY</b>							