MEDSCI NZ PROGRAMME 2019

ORGANISING COMMITTEE

Dr Marie Ward (Co-Chair) Dr Joanne Davidson (Co-Chair) A/Prof Rebecca Campbell (Co-vice chair) Dr Jeff Erickson (Co-vice chair) A/Prof Rajesh Katare (PSNZ) Prof Allan Herbison (CNE) Dr Rosemary Brown (CNE) Prof Greg Anderson (NZSE) Prof Ahmed Al-Jumaily (Biomed Tech) Dr June-Chiew Han (ABI) Dr Max Berry (Perinatal soc) University of Auckland University of Auckland University of Otago Auckland University of Technology University of Auckland University of Otago <u>m.ward@auckland.ac.nz</u> joanne.davidson@auckland.ac.nz rebecca.campbell@otago.ac.nz jeff.erickson@otago.ac.nz rajesh.katare@otago.ac.nz allan.herbison@otago.ac.nz greg.anderson@otago.ac.nz ahmed.aljumaily@aut.ac.nz j.han@auckland.ac.nz max.berry@otago.ac.nz

CONFERENCE MANAGERS



If you have any queries regarding MedSci or Queenstown, please contact Dinamics at the Registration Desk. Phone: +64 27 450 2611 Email: elizabeth@dinamics.co.nz Website: http://www.dinamics.co.nz/

Monday 2 nd Sept 2019			
	QRW Opening Night Speaker		
4:00 – 6:00	MEDSCI POSTER SESSION		
	Sponsored by New England Biolabs		
	Rydges Hotel		
Queenstown	Research Week Opening Night and Plenary Session sponsored by University of Otago		
6.00pm – 6.10pm	Welcome: Peter Shepherd		
	University of Auckland		
6 10pm – 6 25pm	Official Opening: Prof Gary Evans		
0.10pm = 0.25pm	Victoria University and Chief Science Advisor, MBIE		
6.25pm – 6.30pm	Plenary Introduction: Nikki Moreland Sponsored by Abacus dx		
	University of Auckland		
6.30pm – 7.30pm	Professor Joan Steitz		
•••••P···	2018 Lasker Award winner for her pioneering role in expanding our understanding		
	of RNA biology and her lifelong advocacy for inclusion of women in the sciences		
	Yale University, New Haven, USA		
7:30 – 9.00pm	Opening night mixer Sponsored by Abcam		

Tuesday 3 rd Sept 2019 MedSci Plenary Lectures, Societies' Presentations			
MedSci Plenary Lecture Oueenstown Room			
9.00 am	MedSci Plenary Lecture: Prof John Osborn	•	
-	Title: New insights into kidney-brain communication	on in cardiovascular disease	
10.00 am	Chair: Julian Paton		
10.00 am -	Morning Tea: Trade Exhibit	ion Area Level 4	
10.30 am	morning rea. Hade Exhibit		
Societi	es' Presentations		
10.30 am -	Session 1A:	Symposium 1B (NZSE):	
12.30 pm	PSNZ Bullivant Prize Finalists	Perspectives and problems of puberty	
	Clancy's Room, Level 5		
	Chairs: Marie Ward & Rohit Ramchandra	Room: Dart Room, QT Building	
10.30 am -	1A 1 Bullivant Prize Contestant 1: Marco	1B 1 Alistair Gupp (University of Auckland)	
10.30 am -	Annandale	Houston we have lift offand the countdown hasn't even	
20110 0	Experimental evidence of substrate-driven	started yet!	
	fructolysis in cardiomyocytes in vitro –	,	
	implications for diabetic cardiomyopathy.		
10.45 am -	1A.2 Bullivant Prize Contestant 2: Hamish		
11.00 am	Atken-Buck		
	Long-chain acylcarnitines as acute modulators of		
	human atrial muscle function		
11.00 am -	1A.3 Bullivant Prize Contestant 3: Caroline	1B.2 Karen MacKenzie (University of Otago, Christchurch)	
11.15 am	Do hypothalamic CBH neurons express circadian	Failure to Laurich – a clinical guide to delayed puberty	
	and ultradian activity patterns?		
11.15am -	1A.4 Bullivant Prize Contestant 4: Mridula		
11.30 am	Pachen		
	Hyperoxia reduces coronary blood flow in ovine		
	heart failure		
11.30 am -	1A.5 Bullivant Prize Contestant 5: Tracy Zhang	1B.3 Greg Anderson (University of Otago)	
11.45 am	The challenge of anaesthesia during ischaemic	Beyond leptin and fat: multiple metabolic modulators of	
	stroke: haemodynamic observations in in	pubertal timing	
11 /F am	10 6 Pullivent Prize Contestant 6: Appa Krstic	-	
11.45 ani - 12.00 nm	Ca^{2+} handling in cardiomyocytes: does adaptive		
12.00 pm	hypertrophy modify the response to inotropic		
	stimulation?		
12.00 am -	1A.7 Bullivant Prize Contestant 7: Timothy Jones	1B.4 Victor Navarro (Harvard University)	
12.15 pm	Arrhythmogenic calcium release events in	sponsored by Thermo Fisher Scientific	
	isolated human atrial trabeculae	Control of puberty onset by neuroendocrine pathways	
12.15 pm -	1A.8 Bullivant Prize Contestant 8: Shivani Sethi	upstream of Kiss1 neurons	
12.30 pm	Central Regulation of the Diabetic Heart		
12.30 pm			
12.30 pm – 1.30 pm	Lunch: Trade Exhibition Are	ea, Level 4, Rydges Hotel	
MedSc	i Plenary Lecture Clancys Room		
1:30 pm –	MedSci Plenary Lecture: Prof Herbert Herzog, Spo	prisored by Abacus dx	
2:30 pm	Title: Stress and obesity - insights from the NPY sv	stem	
-	Chair: Dave Grattan		

Societies' Presentations					
2:30 pm – 3:30 pm	 Session 2A PSNZ Hubbard Prize Finalists Clancys Room, Level 5 		Symposium 2B (NZS NZSE Nancy Sirett Lo Finalists (sponsored Room: Dart Room, C	E): ecture and Student Oral Award by Medi'Ray) QT Building	
	Chairs: Kim Mellor & Carolyn Barre	ett	Chair: Greg Anderso	n & Ryan Paul	
2:30 pm – 3:00 pm	2A.1 Hubbard Prize Contestant: Bradley Jamieson (University of Otago) Projections of suprachiasmatic nucleus vasopressin neurons regulate preoptic kisspeptin neuron electrical activity		2B.1 NZSE Nancy Sir Graham Barrell (Linc Lessons From the La	r ett Lecture coln University) rge Animals	
3:00 pm – 3:30 pm	2A.2 Hubbard Prize Contestant: Parisa Koutsifeli (University of Auckland) Characterizing the role of glycogen autophagy in regulating glycogen content in diabetic cardiomyocytes		 2B.2 NZSE Prize Fina Eleni Hackwell (Univ Prolactin action on k maintaining lactation 2B.3: NZSE Prize Fin Judith Swart (Univer The effect of reprod motivation 	Ilist: ersity of Otago) xisspeptin neurons is required for nal infertility. alist: sity of Otago) uctive experience on maternal	
3.30 pm – 4.00 pm	^{3.30 pm –} 4.00 pm – Coffee Break: Trade Exhibition Area, Level 4, Rydges Hotel				
Societi	es' Presentations				
4.00 pm – 6.00 pm	Session 3A: Free Communications and PSNZ Presentations/Awards Clancys Room, Level 5 Chairs: Rebecca Campbell & Jeff Erickson	Symposium 3B: (Sport Ex & Nut., Massey) New insights into the cellular and molecular regulation of aging muscle Room: Dart Room Chairs: David Rowlands & Navneet		Symposium 3C: (Auckland Bioengineering Institute) Computational and experimental physiology of our various organ systems Room: Rees Room Chairs: June-Chiew Han & Kenneth Tran	
4:00 pm – 4:30 pm	3A.1 New & Emerging Researcher Prize Contestant: Carol Bussey (University of Otago) Cardiac-specific sympathetic and vagal parasympathetic nerve activity in circadian heart rate rhythm	3B.1 Phil Sheard (Otago University) <i>Sponsored by Bio-Strategy Ltd</i> Is sarcopenia a neurodegenerative disease?		3C.1 Kenneth Tran (Auckland Bioengineering Institute) Exploring cardiac energetics through the lens of computational modelling	
4:30 pm – 5:00 pm	3A.2 New & Emerging Researcher Prize Contestant: Michelle Munro (University of Otago) Resolving the role of dyadic organisation in cardiac dysfunction Free Communications:	3B.2 Paul Gregorevic (Melbourne University) Exploring novel mechanisms regulating muscle mass in health, disease and ageing		3C.2 Martyn Nash (Auckland Bioengineering Institute) Relating microstructural remodeling and ventricular mechanics in heart failure 3C.3 Jichao Zhao (Auckland	
5:30 pm	3A.3 Julia Shanks	University, Melbourne)		Bioengineering Institute)	

	Sympathomodulation in heart failure: A role for stellate ganglia Nrf2.	Developing epigenetic biomarkers of healthy ageing	Novel computerized analysis to improve our understanding and treatment of atrial fibrillation
	3A.4 Debra Fong Defending Blood Flow to the Selfish Brain: Evaluating Dynamic Cerebral Autoregulation in the Conscious Rat		
5:30 pm– 6:00 pm	3A.5 Tonja Emans Optimizing Reperfusion and Recovery from Ischemic Stroke: Preliminary Data	3B.4 Kim Mellor (Auckland University) Cardiomyocyte functional adaptations with aging and disease	3C.4 Alys Clark (Auckland Bioengineering Institute) In silico models of pregnancy and the uterine blood vessels: from <i>in</i> <i>vitro</i> cell culture to the <i>in vivo</i> organ
6:00 pm-			3C.5 Tim Angeli (Auckland
6:30 pm			Bioengineering Institute) Understanding the gut through translational physiology: bioengineering benchtop to clinical bedside
7.00 pm	Me	edSci Dinner + Prize-	giving
		Prime Restaurant 8 Rees St. Queens	town

Wednesday 4 th Sept 2019 MedSci Plenary Lecture, Societies' Presentations				
MedSci Plenary Lecture, Oueenstown Room				
9.00 am MedSci Plenary Lecture: Prof Rosalind John - Title: Genomic Imprinting influences maternal behaviour and life long health				
10.00 am 10.00 am - 10.20 am	Chair: Rosie Brown Morning Tea: Trade	Exhibition Area, Leve	14	
Societi	es' Presentations	<u>·</u>		
10.30 am - 12.30 pm	Symposium 4A (PSNZ): Novel insights into cerebral blood flow dysregulation in cardiovascular disease. Dart Room, Level 5 Chairs: Julian Paton & Shieak Tzeng	Symposium 4B (CNE): Homeostatic neural circuits Room: Queenstown Room Chairs: Karl Iremonger & Elodie Dezrosiers	Session 4C: Free Communications Room: Rees Room Chairs: David Crossman & Amelia Power	
10.30 am – 11:00 am	4A.1 Kevin Shoemaker (University of Western Ontario) Large cerebral artery contributions to cerebral perfusion in health and heart disease	4B.1 Stephanie Padilla (Massachusetts Amherst University) Kiss1 Neurons in the Arcuate Nucleus of the Hypothalamus are a Hub for Metabolic, Temperature and Neuroendocrine Outcomes.	 4C.1 Chris Charles A Porcine Model of Heart Failure with Preserved Ejection Fraction: Characterization with MRI and Metabolic Energetics 4C.2 David Rowlands Utility of the 13C-breath (RATIO) method to track changes in fatoxidation maxima during intense cycling exercise following glycogen manipulation by acute dietary intervention 	
11.00 am – 11:30 am	4A.2 Philip Allan (Otago University & CCDHB) New approaches to assessing and optimising cerebral perfusion	4B.2 Zane Andrews (Monash University). <i>Sponsored by Abacus dx</i> Hunger-sensing Agrp neurons link metabolic and motivational states	 4C.3 Tumanu Futi Cardiac Fibrosis is not Associated with an Earlier Requirement of Surgical Cardiac Intervention in Māori and Pacific Patients 4C.4 Isabel Nguyen Sodium thiosulfate improves renal function and oxygenation in L-NNA induced hypertensive rats 	
11.30 am - 12.00 pm	4A.3 Fiona McBryde (Auckland University) Blood pressure and cerebral perfusion after stroke	4B.3 Stuart McDougall (Florey Institute) Neurophysiology of viscerosensory circuits	4C.5 Lorna Daniels Elevated cardiac fructose content may contribute to lipid accumulation in the diabetic heart	
12.00 pm - 12.30 pm	4A.4 James Fisher (Auckland University) Cerebrovascular dysfunction in atrial fibrillation	4B.4 Joon Kim (University of Otago) Stress experience and hormone feedback tune distinct components of hypothalamic CRH neuron activity		

12:30 pm	MedSci AGM – Queenstown Room				
12.30 pm – 1.30 pm	Lunch: Trade Exhibition Area, Level 4, Rydges Hotel				
Societi	Societies' Presentations				
1.30 pm - 3.30 pm	Symposium 5A (PSNZ): New Concepts and Emerging Therapies for Cardiac Dysfunction Clancys Room, Level 5 Chairs: Yonis Akubar & Alona Ben-Tal	1.30 pm - 3.30 pm	Symposium 5B (CNE): Hypothalamic regulation of behaviour Room: Dart Room, QT Building Chairs: Rachael Augustine & Kristina Smiley		
1.30 pm – 2:00 pm	5A.1 Shane Nanayakkara (Baker Heart & Diabetes Inst.) Heart failure with preserved ejection fraction: improving diagnosis and management	1.30 pm – 2:00 pm	5B.1 Sarah Lockie (Monash University) Ghrelin and AgRP neurons in control of memory and appetite		
2.00 pm – 2:30 pm	5A.2 Martin Stiles (Waikato Heart & University of Auckland) Targeting the substrate in ablation of persistent atrial fibrillation: recent lessons and future directions	2.00 pm – 2:30 pm	5B.2 Anica Klockars (University of Waikato) Differential responses to anorexigenic drugs in the valproic acid model of autism spectrum disorders in rats		
2.30 pm - 3.00 pm	5A.3 Alona Ben-Tal (Massey University) New approach for modelling the cardio- respiratory system	2.30 pm - 3.00 pm	5B.3 Sharon Ladyman (Otago University) Contribution of central prolactin receptors to changes in energy homeostasis during pregnancy and lactation		
3.00 pm - 3.30 pm	5A.4 Yonis Abukar (Auckland University) The role of respiratory sinus arrhythmia in modulating heart function during heart failure	3.00 pm - 3.30 pm	5B.4 Oliver Bosch (University of Regensburg, Germany). <i>Sponsored by Abacus dx</i> Why mom doesn't care: maternal neglect is caused by an increased brain CRF system activity		
3:30 pm – 4:00 pm	Afternoon Tea				
Societi	es' Presentations				
4.00 pm - 6.00 pm	Symposium 6A (PSNZ): Novel targets and diagnostics in cardiovascular disease: from discovery science to clinical application Clancys Room, Level 5 Chairs: Kim Mellor & Lorna Daniels	4.00 pm - 6.00 pm	Symposium 6B: Free Communications & Info Blitz Presentations Room: Dart Room Chairs: Chris Coyle & Kate Lee		
4.00 pm – 4.30 pm	6A.1: Enzo Porrello (Murdoch Children's Research Institute, Melbourne) <i>sponsored by New England Biolabs</i> Human pluripotent stem cell-derived cardiac organoids for accelerated drug	4.00 pm - 4.15 pm	6B.1: Michael Pankhurst Changes in anti-Müllerian hormone levels during pregnancy and the postpartum period		
	discovery	4:15 pm – 4:30 pm	6B.2: Emma Buckels Preptin knockout mice have increased bone volume without overt metabolic changes		
4.30 pm – 5.00 pm	6A.2: Julian Paton (Auckland University) Novel drug targets for treatment of hypertension	4:30 pm - 4:45 pm	6B.3: Brya Matthews Identification of osteoprogenitor cells in the mouse periosteum		
		4:45 pm – 5:00 pm	6B.4: Raewyn Poulsen IL-1 β causes osteoarthritis-like changes in the chondrocyte circadian clock by activation of the NMDA receptor/CREB and CaMK2 pathways		

5.00 pm – 5.30 pm	6A.3: Alana Whitcombe (Auckland University) Assessing the utility of multiplex bead-based immunoassays in the diagnosis of rheumatic fever	5.00 pm - 5.30 pm	6B.5 NZSE Emerging Researcher Award: Kristina Smiley (Otago University) Identifying a novel role for prolactin in the transition to paternal care
5.30 pm – 6:00 pm	6A.4: Amelia Power (Otago University) Nitric oxide in the heart: a moderator of β- adrenergic signalling?	5:30 pm - 6:00	 Info Blitz 6B.6 Amy Ruddenklau Role of central progesterone signalling in PCOS pathology 6B.7 Christopher Veitch The Alpha-Adrenergic System and CaMKII in Diabetic Arrhythmia 6B.8 Erica R Hendrikse Exploring Expression of CGRP Receptors in Rat Brain; Implications for Migraine 6B.9 Dhananjie Chandrasekera Understanding the role of altered microRNA cargo in pericardial fluid exosomes in the diabetic heart 6B.10. Yeri Rim Investigating Suprachiasmatic Neuromedin S Neuronal Projections to Kisspeptin Neurons in the RP3V
7.00 pm – 9.00 pm	Mixer & Fashionomics sponsored by Thermo Fisher Scientific		

MedSci Abstracts

Summary of Poster Abstracts

No.	Presenter	Title
	Physiological Soci candidate)	ety of New Zealand Posters (*PSNZ Student Poster Presentation Prize
M1	Grace Belworthy*	Circadian regulation of pacemaker proteins in the right atrium
M2	Jenny Clarkson	In vivo population activity of RP3V kisspeptin neurons across the mouse estrous cycle
M3	Chris Coyle	Androgen receptor expression across the estrous cycle in the hypothalamus and new methods for its targeted deletion.
M4	Vasu Singh	Effects of Uptake-2 blockers on rat locomotion
M5	Aisha Sati*	The impact of prenatal androgen excess on microglia in the female mouse brain
M6	Elodie Desroziers	Prenatal androgen excess impairs sexual behavior in adult female mice: perspective on sexual dysfunction in PCOS
M7	Anthony Yee- Goh*	Adipose Stem Cells Versus Cardiac Progenitor Cells: The Better Candidate for Cardiovascular Disease
M8	Igor Felippe*	Selective chemoreceptor hyperreflexia evoked after sympathetic stimulation
M9	Emily Brown*	Mechanosensitivity of TRPV channels; implications for vasopressin neuron activity
M10	Daniel Lavin	Is GLUT9 expression dependent on specific p53 isoforms
M11	Chantelle Murrell*	Distribution of O-GlcNAc in Glucose Sensing Areas of the Rat Brain
M12	Mehwish Abbasi*	Local kisspeptin regulation of oxytocin neuron activity in late pregnancy
M13	Nima Afshar	Computational Modelling of Glucose Uptake in Small Intestine Using CellML
M14	Jarrah Dowrick*	Type II diabetes disrupts beat-to-beat cardiac myofilament calcium sensitivity
M15	Chris Sohn*	Purinergic Antagonism of the Carotid Body Chemoreceptors as a Novel Drug Target for Hypertension
M16	Chris Marshall*	Examining alterations to arcuate nucleus NPY neurons and their neural projections in a mouse model of polycystic ovary syndrome
M17	Cherokee Walters*	The Effect of Rab7 on the Trafficking of the Epithelial Sodium Channel
M18	Rachel Lund*	An Androgen Sensitive Bioassay Optimized for Clinical Purposes
M19	Samuel O'Hara*	The Role of CaMKII in Vascular Smooth Muscle Cell Migration and Atherosclerotic Plaque Development
M20	Lucas Hinton*	Role of protein kinase CK2 in regulation of the cardiac Ryanodine Receptor
M21	Bindu George*	Characterisation of autonomic imbalance in an ovine model of renovascular hypertension

M22	Leena	Effect of Cerebral Blood Flow on Cognition Across Healthy
	Shoemaker*	Adulthood
M23	Angela	Reduced calcium sensitivity occurs without differential total
	Greenman*	myofilament phosphorylation in a diabetic rat model
M24	Vikash Kumar	Epithelial Sodium Channel (ENaC): Mediator of the aldosterone
	Shah*	induced stiffness in endothelial cells.
M25	Nandini	Pharmacological modulation of the membrane trafficking of the
	Bavana*	water channel AQP5 in the rat lens
M26	Sarah Fong*	Metabolic syndrome impairs colocalization of ryanodine receptors
		and L-type calcium channels within atrial myocytes
M27	Venkata	Temporal inhibition of Retinoic acid signaling promotes ventricular-
	Satthenapalli	specific cardiac differentiation of mouse embryonic stem cells
		without spontaneous contraction.
NZSE		
M28	William Aye	Analysis of Ca2+ Imaging in Rat Adrenal Medullary Slices
M29	Siew Hoong Yip	Elevated Profactin during Pregnancy Drives a Phenotypic Switch in Mouse Hypothalamic Dopaminergic Neurons
M30	Yugo	Investigating changes in androgen and progesterone receptor
	Watanabe	expression in the aetiology of PNA-induced polycystic ovary
		syndrome
M31	Teodora	Investigating the acute effects of prolactin upon hypothalamic
	Georgescu	prolactin-receptor expressing neurons
M32	Adriana	Bone remodelling regulation during lactation – the role of prolactin
	Saraiva	and its receptors
1/1/2/2		Identitying the role of RERD neurons in stress induced anoughtion
10133	Asha Mangalin	identifying the fole of KFKP hearons in stress modeled anovulation
Med Sci I	Posters (no affiliation)	
Mi33 Med Sci I M34	Posters (no affiliation) Shaleka	Functional and structural mapping of atrial arrhythmogenesis in
M33 Med Sci I M34	Posters (no affiliation) Shaleka Agrawal	Functional and structural mapping of atrial arrhythmogenesis in metabolic syndrome
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M33 Med Sci I M34 M35 M36	Asha Marngain Posters (no affiliation) Shaleka Agrawal Xinhuai Liu Alexander Seymour Frice	Functional and structural mapping of atrial arrhythmogenesis in metabolic syndrome Regulation of calcium in the GnRH neuron dendrons near the median eminence TRPV channels reset the threshold for vasopressin neuron activation in pregnant rats Exploring Expression of CGRP. Percenters in Pat Prain: Implications
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Mail Med Sci I M34 M35 M36 M37 M38 M39 M40	Asina Maringain Posters (no affiliation) Shaleka Agrawal Xinhuai Liu Alexander Seymour Erica Hendrikse Abigail Bland Stephanie Thwaite	Functional and structural mapping of atrial arrhythmogenesis in metabolic syndrome Regulation of calcium in the GnRH neuron dendrons near the median eminence TRPV channels reset the threshold for vasopressin neuron activation in pregnant rats Exploring Expression of CGRP Receptors in Rat Brain; Implications for Migraine An Old Drug for New Tricks; Metformin as a Chemotherapeutic Agent for Lung Cancer. Can we protect hypertrophic hearts against ischaemia-reperfusion injury using carbon monoxide? Do mice with gestational glucose intolerance have increased Ω-
M33 Med Sci I M34 M35 M36 M37 M38 M39 M40	Asila Maringalin Posters (no affiliation) Shaleka Agrawal Xinhuai Liu Alexander Seymour Erica Hendrikse Abigail Bland Stephanie Thwaite Rachael Augustine	Identifying the fole of KPKP field ons in stress induced anovulation Functional and structural mapping of atrial arrhythmogenesis in metabolic syndrome Regulation of calcium in the GnRH neuron dendrons near the median eminence TRPV channels reset the threshold for vasopressin neuron activation in pregnant rats Exploring Expression of CGRP Receptors in Rat Brain; Implications for Migraine An Old Drug for New Tricks; Metformin as a Chemotherapeutic Agent for Lung Cancer. Can we protect hypertrophic hearts against ischaemia-reperfusion injury using carbon monoxide? Do mice with gestational glucose intolerance have increased O-linked glycosylation in the brain?
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Mail Med Sci I M34 M35 M36 M37 M38 M39 M40 M41 M42	Asha Marngain Posters (no affiliation) Shaleka Agrawal Xinhuai Liu Alexander Seymour Erica Hendrikse Abigail Bland Stephanie Thwaite Rachael Augustine Hollian Phillipps Nensi Shrestha	Functional and structural mapping of atrial arrhythmogenesis in metabolic syndrome Regulation of calcium in the GnRH neuron dendrons near the median eminence TRPV channels reset the threshold for vasopressin neuron activation in pregnant rats Exploring Expression of CGRP Receptors in Rat Brain; Implications for Migraine An Old Drug for New Tricks; Metformin as a Chemotherapeutic Agent for Lung Cancer. Can we protect hypertrophic hearts against ischaemia-reperfusion injury using carbon monoxide? Do mice with gestational glucose intolerance have increased Olinked glycosylation in the brain? Characterisation of plasma prolactin levels during proestrus in mice Toxicity and Efficacy of crizotinib and selumetinib combination therapy in in vivo xenograft model of ALK-positive lung cancer
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Mail Med Sci I M34 M35 M36 M37 M38 M39 M40 M41 M42 M43 M44 M45	Asina Maringalin Posters (no affiliation) Shaleka Agrawal Xinhuai Liu Alexander Seymour Erica Hendrikse Abigail Bland Stephanie Thwaite Rachael Augustine Hollian Phillipps Nensi Shrestha Lewis Forrester Ji Woo Kim Lanqiaozi	Functional and structural mapping of atrial arrhythmogenesis in metabolic syndrome Regulation of calcium in the GnRH neuron dendrons near the median eminence TRPV channels reset the threshold for vasopressin neuron activation in pregnant rats Exploring Expression of CGRP Receptors in Rat Brain; Implications for Migraine An Old Drug for New Tricks; Metformin as a Chemotherapeutic Agent for Lung Cancer. Can we protect hypertrophic hearts against ischaemia-reperfusion injury using carbon monoxide? Do mice with gestational glucose intolerance have increased O- linked glycosylation in the brain? Characterisation of plasma prolactin levels during proestrus in mice Toxicity and Efficacy of crizotinib and selumetinib combination therapy in in vivo xenograft model of ALK-positive lung cancer Maternal Obesity and the Development of Oligodendrocytes in the Offspring Does uric acid control expression of p53 isoforms? Effects of Shear Stress and Carbon Monoxide on Epithelial Sodium

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M49	Andy Lo	Afterdepolarizations and abnormal calcium handling in impaired TBX5 atrial myocytes
M50	Kate Lee	Gender and strain-specific phenotypes of CREBRF variant in mouse models.
M51	Michael Garratt	17-α estradiol ameliorates age-associated sarcopenia and improves late life physical function in male mice but not in females or castrated males
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