

HOSTED BY



EPICOH 2019

THE 27TH INTERNATIONAL SYMPOSIUM ON
EPIDEMIOLOGY IN OCCUPATIONAL HEALTH

Museum of New Zealand Te Papa Tongarewa



with SCOM and MODERNET



JOIN US IN WELLINGTON

29 APRIL – 2 MAY 2019

with OMEGA-NET



MONDAY 29 APRIL

09.00 – 17.00	Te Papa	Pre-Conference Course APPLIED METHODS IN OCCUPATIONAL EPIDEMIOLOGY
14.00 – 17.30	Te Papa	Registration Open
17.30 – 19.30	Parliament	Welcome Reception (buses depart from Te Papa and return to Te Papa at end of the event)

TUESDAY 30 APRIL

07.30 – 17.30	Te Papa Level 3	Registration Open			
08.30 – 09.30	Te Marae Level 4	Powhiri – Māori Welcoming Ceremony			
09.30 – 10.00	Oceania Level 3	Morning Tea			
10.00 – 11.30	Amokura Level 4	<p>Conference Opening</p> <p>KEYNOTE 1 - AGRICULTURAL EXPOSURES AND HEALTH OUTCOMES Dr Laura Beane Freeman</p>			
11.30 – 11.35		Move to parallel sessions			
Session 1	1A Amokura	1B Icon	1C Soundings	1D Rangimarie 1	1E Rangimarie 2
	Pesticide Exposure Assessment	Reproductive Effects	Occupational Cancer-1	Exposure Assessment-1	Work Organisation
11.35 – 11.50	114 Pesticide exposure of workers during treatment and re-entry tasks in apple-growing: results	119 Modelling infertility in a cohort of Canadian tradeswomen <i>Dr Nicola Cherry</i>	360 Key features of the new Preamble to IARC Monographs <i>Kurt Straif</i>	131 Dermal PAH exposure in Swedish Firefighters and Police Forensic Investigators –	113 Work Organization Predictors of Chronic Health Conditions: Results from a Nationally

	from the CANEPA study in France Mrs Mathilde Bureau			Preliminary Results from Tape Stripping on Wrist and Collarbone Dr Carolina Bigert	Representative Survey of U.S. Workers Dr Rashaun Roberts
11.50 – 12.05	209 Exposure to benzimidazole fungicides in agriculture and Non-Hodgkin Lymphomas, overall and by subtypes, in the AGRiculture and CANcer (AGRICAN) cohort Miss Amandine Busson	110 Parental occupational exposure to extremely low-frequency magnetic fields and the risk of leukaemia in the offspring Dr Ann Olsson, Dr Madar Talibov	361 Occupational variation in incidence of bladder cancer adjusted with smoking. Population based cohort in four Nordic countries Dr Kishor Hadkhale	336 Objective Measurement of Work-Environment Carcinogenic Exposures in Florida Firefighters using Silicone-based Passive Sampling Wristbands Dr Alberto Caban-Martinez	298 Influence of work organization and environment on health and productivity outcomes among construction apprentices: A Total Worker Health® approach Dr Bradley Evanoff
12.05 – 12.20	308 Study among small-scale farmers in Uganda Dr. Martin Rune Hassan Hansen	26 Hyperactivity disorder in children was related to maternal employment status during pregnancy and postpartum depressive symptoms: a prospective cohort study Dr Ping Shih	344 Nightshift work and risk of lymphoma subtypes Prof Pierluigi Cocco	327 Fumigant and chemical residue 8-hour exposures in workers handling cargo from shipping containers and export logs in New Zealand Ruth Hinz	163 Evaluation of the Norwegian Agreement on a More Inclusive Working Life: sickness absence in four diagnosis groups Rachel L Hasting
12.20 – 12.35	32 Assessment of Pesticide-Related Pollution and Occupational Health of Vegetable Farmers Prof Jinky Leilanie Lu	173 Health effects of prenatal occupational noise exposure: A systematic review Mrs Zara Ann Stokholm	176 Cancer incidence among lead-exposed workers in two countries Dr Kyle Steenland	237 Occupational exposure to formaldehyde in France in 2015 Mrs Laurène Delabre	156 Electronic waste recycling in Québec, Canada: hiring practices and occupational health and safety management Dr France Labrèche
12.35 – 12.50	230 Emergent role of epigenetic biomarkers of pesticides exposure: a case study among women of childbearing age living in Meknes (Morocco) Miss Aziza Menouni	277 Infertility in a cohort of male Danish Firefighters Dr Johnni Hansen	205 Assessment and assignment of exposure to asbestos for an industrial cohort of chrysotile miners and processors Prof Hans Kromhout	78 Non-detects in OSHA's IMIS databank: are they short-term or shift-long samples? Mr Philippe Sarazin	126 Short-term disability leave and employment termination: using marginal structural models to estimate counterfactual risks Dr Sally Picciotto

12.50 – 13.05	219 The carcinogenicity of pesticides used in New Zealand <i>Dr Andrea 't Mannetje</i>	73 Maternal cumulative exposure to extremely low frequency electromagnetic fields, prematurity and birth weight: a pooled analysis of two birth cohorts <i>Miss Lucile Migault</i>	175 Is Adjustment for Smoking Needed in a Cohort Study of Cancer Mortality Among Chrysotile Asbestos Factory and Mine Workers? <i>Dr Ann Olsson</i>		44 The impact of a program of mandatory awareness training on worker awareness and empowerment to participate in injury prevention <i>Dr Peter Smith</i>
13.05 – 14.00	Oceania Level 3	Lunch & Poster Session 1			
	Room TBA	Early Career Network Mentoring Lunch Meeting			
Session 2	2A Amokura	2B Icon	2C Soundings	2D Rangimarie 1	2E Rangimarie 2
	Pesticide Health Effects	Workplace Bullying/Stress	Workers' Compensation/Return to Work	Solvents	Mini-Symposium 1: Exposure Assessment in Epidemiological Studies of Cancer
14.00 – 14.15	100 Pesticides and Work-Related Asthma: How this relates to Self-Reported Exposures <i>Prof David Fishwick</i>	334 What Psychosocial Factors at Work Are Associated to Workplace Bullying? A Study with Judiciary Brazilian Civil Servants from Southern Brazil <i>Prof Fernando Feijó</i>	145 Worker compensation: are epidemiological studies fit for purpose? <i>Dr Lesley Rushton</i>	284 A follow-up study of occupational styrene exposure and risk of systemic sclerosis, rheumatoid arthritis, and other systemic autoimmune rheumatological diseases <i>Mrs Signe Hjuler Boudigaard</i>	87 Why the quality of exposure assessment matters in human observational studies and consequent hazard and risk assessment <i>Prof Hans Kromhout</i>
14.15 – 14.30	99 Pesticides and Respiratory Health; the GB based PIPAH study <i>Prof David Fishwick</i>	313 Risk Factors for Workplace Bullying: A Systematic Review <i>Prof Fernando Feijó</i>	251 Does region of residence matter for return-to-work after work-related injury? A comparative analysis of six Canadian workers'	168 Occupational exposure to oxygenated, petroleum-based and chlorinated solvents of women in childbearing age in France in 2013 <i>Mrs Marie Houot</i>	80 From high-dose occupational to low-dose residential exposures in radon epidemiology: how high-quality exposure assessment ties it all together

			compensation jurisdictions Dr Robert Macpherson		Dr Mary Schubauer-Berigan
14.30 – 14.45	28 Increased risk of central nervous system tumours with carbamate insecticide use in the prospective cohort AGRICAN Clément Piel	210 Work Related Stress for New Zealand Workers in High Risk Sectors: What can we learn from a demographic analysis? Dr Kirsten Lovelock, Dr Trang Khieu	35 What predicts a secondary absence following return to work among workers' compensation claimants in Victoria? Results from a longitudinal cohort Dr Peter Smith	151 Protective effects of PPE use and good workplace hygiene practices against symptoms of neurotoxicity in collision repair workers Mr Samuel Keer	128 Evaluation of the Exposure Assessment Methods used in Benzene Epidemiology Dr Deborah C. Glass
14.45 – 15.00	223 Cancer incidence and causes of death in the AGRiculture and CANcer AGRICAN cohort after 10 years of follow-up Dr Pierre Lebailly	287 Factors on sickness absence among Workers and Moderating effect of job stress in Korea Mr Hyang-Woo Ryu	92 Patterns of health care use following work-related injury and illness in Australian truck drivers: a latent class analysis Dr Ting Xia	38 Benzene and toluene exposure and symptoms affecting work ability among the road sweepers in pollution control area, Rayong province, Thailand Dr Srirat Lormphongs	249 Evaluation of exposure assessment methods in epidemiological studies: the welding example Dr Susan Peters
15.00 – 15.15	203 Agricultural exposures and risk of NHLs, by subtypes: results from the AGRiculture and CANcer (AGRICAN) cohort Miss Amandine Busson		60 Increasing costs of occupational injuries in association with high ambient temperatures in Adelaide, South Australia, 2000-2014 Dr Jianjun Xiang	103 Risk of Parkinson disease in solvent exposed workers in Finland Dr Markku Sallmén	324 Challenges in pesticide exposure assessment for epidemiologic studies Dr Laura Beane Freeman
15.15 – 15.30			125 The Economic Burden of Occupational Injuries and Diseases in Five European Union Countries Dr Emile Tompa		177 Defining shift work exposure in epidemiological studies of cancer: where have we been, and what comes next? Dr Amy Hall
15.30 – 16.00	Oceania Level 3	Afternoon Tea			

Session 3	3A Amokura	3B Icon	3C Soundings	3D Rangimarie 1	3E Rangimarie 2
	Occupational Respiratory Disease	Burden of Occupational Disease and Injury	Silica Exposure and Health Effects	Mini-Symposium 2: OMEGA-NET	Mental Health
16.00 – 16.15	81 Assessing the Under-estimation of Occupational Respiratory Diseases in Taiwan: Analyses of Disease Burdens and Healthcare Costs <i>Dr Chung-Yen Chen</i>	23 Burden of work absence due to compensable road traffic crashes in Victoria, Australia <i>Dr Shannon Gray</i>	143 Silica exposure in Swedish iron foundries and biological markers of inflammation and coagulation in blood <i>Dr Lena Andersson</i>	241 OMEGA-NET Inventory of Occupational Cohorts <i>Dr Michelle C Turner</i>	22 What is the Effect of Ceasing to Work on the Occurrence of Depressive Symptoms in Retired People from Elsa-Brasil? <i>Dr Maria Engrácia Chaves</i>
16.15 – 16.30	238 Occupational exposure and incidence of asthma based on prescription of drugs <i>Jesper Bælum</i>	48 Occupational exposures and sickness absence trajectories among Finnish employees: a register linked nationally representative follow-up study <i>Dr Tea Lallukka</i>	46 Reduced serum Clara cell protein (CC16) as an early pulmonary injury marker for fine particulate matter exposure in occupational population <i>Prof Huawei Duan</i>	280 45 years of follow-up for cancer for jobs and occupational exposures in 15 million in five Nordic countries – NOCCA <i>Dr Johnni Hansen</i>	104 Risk of mental health disorders in human service occupations: a register based study of 445,651 Norwegians <i>Dr Petter Kristensen</i>
16.30 – 16.45	69 Do airway inflammation and airway responsiveness markers at start of apprenticeship predict their evolution during initial training? A longitudinal study <i>Dr Valérie Demange</i>	161 Estimating the impact of changes to occupational standards for silica exposure on lung cancer mortality <i>Dr Kyle Steenland</i>	276 Occupational Exposure to Asbestos or Silica and Risk of Rheumatoid Arthritis <i>Anna Ilar</i>	246 Medication as proxy of work-related health problems <i>Prof Lode Godderis</i>	136 Changes in job security and mental health: An analysis of 14 annual waves of an Australian working population panel survey <i>Prof Anthony LaMontagne</i>
16.45 – 17.00	319 Sleep quality and mild cognitive impairment among patients with pneumoconiosis in Hong Kong <i>Miss Bi-xia Huang</i>	322 Usefulness of the results of a surveillance program for uncompensated work-related diseases in France <i>Mrs Robert Maelle</i>	109 Longitudinal assessment of smoking cessation and mortality from all-cause and all-cancer among silicotics in Hong Kong, 1981-2014	342 Innovative approaches to data acquisition, standardization, pooling and analyses of	321 Layoffs and the mental health and safety of remaining workers: A quasi-experimental study of the U.S. aluminium industry

			Prof Lap Ah Tse	occupational health information Prof Roel Vermeulen	Holly Elser
17.00 – 17.15	286 Environmental Dust Exposure from Gold Mine Waste Dumps and Respiratory Health Effects in Johannesburg, South Africa Dr Samantha Iyaloo	194 The mental health of police, firefighters and paramedics in the UK Biobank: a comparison with the general working population Dr Sharon Stevelink	74 Increases the risk of sarcoidosis by silica exposure? A case-control study Mr Per Vihlborg	150 National policies and social inequalities in exit paths from working life in Sweden Prof Maria Albin	355 Military Veterans Pathways to Mental Health Support: The Need for New Solutions Dr Laura Rafferty
17.15 – 17.30	192 Recent organic dust exposure and prognosis of asthma and chronic obstructive lung disease (COPD). A nationwide register based follow-up study phd Anne Vested, Prof Vivi Schlünssen	122 The Economic Burden of Work-Related Asbestos Exposure Dr Emile Tompa	121 A 30-year Impact Analysis of Best Practices for Silica Dust Exposure Reduction in Construction: Costs, Benefits and HRQL Dr Emile Tompa	247 Inventory of Occupational, Industrial and Population Cohorts in Switzerland Mr Nicolas Bovio	312 Association between Workplace Bullying and Common Mental Disorders in Judiciary Brazilian Civil Servants from Southern Brazil Prof Fernando Feijó
				5 CONSTANCES: a population-based cohort for occupational epidemiology Prof Marcel Goldberg	
				225 Inventory of Polish cohorts with data on occupational exposures in range of OMEGA-NET project Prof Małgorzata Kowalska	
17.30 – 17.45				278 Psychosocial context, somatic complaints, work ability, and job satisfaction in anaesthesia health professionals. Setting up a prospective cohort study	

				<i>Dr Dragan Mijakoski, Dr Sasho Stoleski</i>	
				<i>Panel Debate/Discussion on New Methods in Occupational Cohort Studies Led by Prof Neal Pearce & Prof Damien McElvenny [6pm FINISH]</i>	

WEDNESDAY 1 MAY		
08.00 – 17.30	Oceania Level 3	Registration Open
08.30 – 10.00	Amokura Level 4	KEYNOTE 2 - THE EVOLUTION OF OCCUPATIONAL EPIDEMIOLOGY Professor Neil Pearce

		KEYNOTE 3 - A GLOBAL DISEASE BUT A LOCAL PHENOMENOM			
		Associate Professor Jackie Benschop			
10.00 – 10.30	Oceania Level 3	Morning Tea			
Session 4	4A Amokura	4B Icon	4C Soundings	4D Rangimarie 1	4E Rangimarie 2
	Shiftwork	Musculoskeletal Disorders-1	Precarious employment/Migrant workers	Chemical and Physical Hazards	Methodological Issues
10.30 – 10.45	242 Night shiftwork, DNA methylation, and telomere length in female nurses <i>Dr Michele Carugno</i>	118 The impact of manual patient handling on work ability: a cross-sectional study <i>Dr João Marcos Bernardes</i>	96 Female Landfill Waste Pickers and their health <i>Dr Kerry Wilson</i>	154 Longitudinal analysis of incidence of beryllium sensitization in a US nuclear workforce <i>Dr Ashley Golden</i>	124 Cross-walking countries' industry classifications using concordance files compared to fuzzy data matching, to utilise an international exposure dataset <i>Ganesh Salvaraj, Dr Michael Butchard</i>
10.45 – 11.00	330 Joint Effects of Night Work and Shift Rotation on Treated Depression in a Longitudinal Cohort of Manufacturing Workers <i>Jacqueline Ferguson</i>	20 Patterns and Predictors of Return to Work After Major Trauma: A Prospective, Population Based Registry Study <i>Prof Alex Collie</i>	266 Impact of precarious work on the wellbeing of women and migrants in Australia <i>Prof Alison Reid</i>	345 Association between Plasma Metal Concentration and Diabetes Risk <i>Ms Xiuting Li</i>	295 Efficiency of autocoding programs for converting job descriptors into Standard Occupational Classification codes <i>Dr Bradley Evanoff</i>
11.00 – 11.15	351 Do shift workers have a different exposure to workplace carcinogens than non-shift workers? <i>Dr Sonia El-zaemey</i>	188 The Impact of Income Support Systems on Healthcare Quality and Functional Capacity in Workers With LBP: A Realist Review	274 Job strain, exposure to carcinogens and the wellbeing of migrant workers <i>Prof Alison Reid</i>	159 Bone lead associations with blood lead, kidney function, and blood pressure among U.S., lead-exposed	144 Utility of routinely recorded data on working hours for an epidemiological cohort study of 60,000 Swedish health care employees

		Mr Michael Di Donato		workers in a surveillance program Dr Kyle Steenland	Prof, MD Per Gustavsson
11.15 – 11.30	231 The relationship between shift work and sleep disturbance in hospital workers Dr Dong-Hee Koh	8 Predictors of return to work with readaptation in public workers Prof Adriano Dias, Prof João Marcos Bernardes	198 Prevalence of Non-Communicable Diseases (NCDs) by different Job Categories among South Asian migrant workers in United Arab Emirates Prof Syed Shah	235 Electrical injuries may cause psychiatric disorders Karin Biering	217 Application of Probabilistic Bias Analysis to Adjust for Exposure Misclassification in a Cohort of Trichlorophenol Workers Ms Laura Scott
11.30 – 11.45	297 Night shift work is associated with abnormal liver function Prof Lap Ah Tse	285 Measuring association of occupational light vehicle driving with low back pain: an IRT approach Mr Michel Grzebyk	213 Precarious work and precarious lives: An analysis of the association between employment relationships and access to social and health benefits Prof Mieke Koehoorn	304 Changes in kidney function among sugarcane cutters on a moderately hot sugar plantation in South Africa Dr Mollen Magombo	341 The impact of alternative historical extrapolations of diesel exhaust exposure and radon in the Diesel Exhaust in Miners Study Prof Roel Vermeulen
11.45 – 12.00	239 Occupational exposure to extremely low frequency magnetic fields and melatonin in male rotating shift workers Michelle C Turner	162 Do we need repeated measurements for reliable classification of case status regarding musculoskeletal pain? Dr Lena Hillert	65 "Healthy on the outside, sick on the inside" -Forestry workers, embodiment and biosociality Dr Kirsten Lovelock	34 Left Sided Hearing Loss among Heavy Equipment Operators (HEOs) in Mining Industry Dr Vishnumohan Janardhanam, Dr Akila Vishnumohan, Dr MG Karthic	233 Standardization of the Collins DNA damage classification used in the COMET assay by means of an Artificial Neural Network (ANNs) Prof Giovanni Maria Ferri
12.00 – 13.00	Oceania Level 3	Lunch & Poster Session 2			
	Room TBA	Early Career Network Business Meeting			
Session 5	5A Amokura	5B Ikon	5C Soundings	5D Rangimarie 1	5E Rangimarie 2

	Musculoskeletal Disorders-2	Dermal Effects	Mini-Symposium 3: Military Epidemiology	Exposure Assessment-2	SCOM/Modernet
13.00 – 13.15	232 Definition of case management for return-to-work in the approach of workers with musculoskeletal disorders: an update using a scoping review <i>Mrs Mercè Soler Font</i>	317 Workplace exposure assessment (WEA), skin barrier function, and occurrence of hand eczema among workers handling drilling waste in Norway <i>Dr Jose Hernan Alfonso</i>	260 The NZ Vietnam veteran family study: a multi-generational perspective on health and wellbeing <i>Dr David McBride</i>	66 A Novel Occupational Exposure Assessment of Antineoplastic Drugs in Healthcare Workplaces <i>Prof Giulio Arcangeli</i>	323 Data on acknowledgment and costs of work-related mental diseases in France <i>Prof Gérard Lasfargues</i>
13.15 – 13.30	112 Musculoskeletal symptoms and work-related accidents: a hospital-based case-control study <i>Dr João Marcos Bernardes</i>	105 Dermal exposure to solvents: a need for quantitative analysis <i>Dr Radu-Corneliu Duca</i>	262 Long term physical and mental health impact of military service <i>Prof Malcolm Sim</i>	253 Occupational exposure of healthcare personnel to nitrous oxide in various paediatric specialty care units: an observational study <i>Dr Marie-Agnès Denis</i>	362 A Hospital Occupational Diseases Unit: an experience to increase the recognition of occupational disease <i>FG Benavides</i>
13.30 – 13.45	94 Injured at work: Factors predictive of further work-related injuries – a prospective study <i>Dr Helen Harcombe</i>	164 Skin health in Croatian hairdressing apprentices at the beginning of vocational education: a new cohort study <i>Dr Zrinka Franic</i>	183 The mental health impact of deployment to Iraq and Afghanistan: what does the current data show? <i>Dr Sharon Stevelink</i>	133 Methods of estimating lifetime occupational exposure in the general population, based on job-exposure matrices <i>Mrs Marie Houot</i>	15 Occupational diseases among workers in different socioeconomic positions <i>Dr Henk van der Molen</i>
13.45 – 14.00	29 Overexertion related age-specific WMSDs claims among construction workers in Ohio, USA: 2007-2013 <i>Dr Harpriya Kaur</i>	265 Workers' compensation claims for occupational contact dermatitis: 20 years of data from Victoria, Australia <i>Dr Tessa Keegel</i>	309 The Armed Services Trauma Rehabilitation Outcome Study (ADVANCE): A cohort study of physical battlefield trauma casualties <i>Prof Nicola Fear</i>	290 Exposure Profiles of Workers in Indium-Tin Oxide Powder Manufacturing, Target Manufacturing and Recycling Factories in Taiwan <i>Miss Yuan-Ting Hsu</i>	248 Bridging the gap between clinical cases and epidemiological evidence <i>Prof Lode Godderis</i>

14.00 – 14.15	135 Occupational driving of light vehicle for mail and parcel delivery and risk of musculoskeletal disorders <i>Dr Anca Radauceanu</i>	255 Effectiveness of a skin care program for the prevention of occupational contact dermatitis in healthcare workers Dr Henk van der Molen, Dr Sanja Kezic	146 Sarin exposures in a cohort of British military participants in human experimental research at Porton Down 1945-1987 <i>Dr Thomas J Keegan</i>	101 Construction of Finnish ISCO-88 job exposure matrix: examination of dataset with two different classification of occupations in consecutive censuses <i>Dr Markku Sallmén</i>	
14.15 – 14.30		328 Occupational Contact Dermatitis and how the Community Responses in Developing Country <i>Dr Shambhu Joshi</i>	221 The health and wellbeing of New Zealand veterans <i>Dr David McBride</i>		
14.30 – 15.00	Oceania Level 3	Afternoon Tea			
Session 6	6A Amokura	6B Icon	6C Soundings	6D Rangimarie 1	6E Rangimarie 2
	Occupational Health in Women	Occupational Cancer-2	Cardiovascular Disease	Biomarkers of Exposure	Mini-Symposium 4: Advances in Neurodegenerative Disease Epidemiology
15.00 – 15.15	302 Aggregation of Work-Related Health Problems Throughout Working-Life in a Population-Based Sample of Women <i>Joana Amaro</i>	281 Use of arsenical pesticides and risk of lung cancer among French farmers <i>Dr Mathilde Boulanger</i>	343 Ischaemic Heart Disease and occupation: a linkage between two New Zealand surveys and the Integrated Data Infrastructure <i>Dr Marine Corbin</i>	120 Inflammatory markers in the plasma of firefighters heavily exposed to particulates <i>Mr Jean-Michel Galarneau</i>	261 Self-report occupational exposures and MND in New Zealand <i>Ms Grace Chen</i>
15.15 – 15.30	204 Breast cancer risk in 40.000 Danish women by industry <i>Miss Julie Elbæk Pedersen</i>	263 Cancer Risk by Ore Type in a Mixed Miners Cohort <i>Dr Paul A Demers</i>	165 Differences in Cardiovascular Risk Factor Profiles across Occupational Groups <i>Miss Lucy A Barnes</i>	305 Evidence of DNA methylation changes by carbon nanotubes in a translational study design <i>Dr Manosij Ghosh</i>	172 Exposure Assessment for a Study of Cognitive Impairment in Former Professional Footballers in England

					Prof Damien McElvenny
15.30 – 15.45	326 Implications of the workplace gender composition for depression-related service utilization: A retrospective cohort study of U.S. aluminium workers Holly Elser	315 Risk of leukaemia after chronic exposure to gamma radiation among Ontario Uranium Miners? Dr Minh Do	291 The association between long-term exposure from heavy physical work load and coronary heart disease in middle aged men Prof Tomas Hemmingsson	227 Evaluation of polycyclic aromatic hydrocarbons exposure across occupations in Korea using urinary metabolite 1-hydroxypyrene Dr Dong-Hee Koh	67 Can the multistage model be applied to amyotrophic lateral sclerosis (ALS)? Prof Neil Pearce
15.45 – 16.00	42 Risk of postmenopausal breast cancer and occupational exposure to chemicals in Swedish women Prof, MD Per Gustavsson	178 Laryngeal cancer risks in workers exposed to lung carcinogens: exposure-effect analyses using a quantitative job exposure matrix Dr Amy Hall	41 The relationship between the demand-control model and incident cardiovascular disease in Ontario Canada. A linked analysis of 12,358 workers Dr Peter Smith	45 Association of occupational exposures with ex vivo functional immune response in workers handling carbon nanotubes and nanofibers Dr Mary Schubauer-Berigan	256 Metabolome and exposome profiling: new opportunities to study risk factors for Parkinson's disease Prof Roel Vermeulen
16.00 – 16.15	76 Mortality and risk behaviours in Spanish female farmers Mr Guanlan Zhao	166 Variation in Nordic work-related cancer risks after adjustment for alcohol and tobacco Dr Kristina Kjaerheim	27 Long working hours and the prevalence of masked hypertension Prof Xavier Trudel	182 Electronic waste recycling exposure and hormone levels in workers Dr France Labrèche	216 Occupation and risk of amyotrophic laterals sclerosis (ALS) in Denmark Dr Johnni Hansen
16.15 – 16.30	97 Mortality experience of in Women in South African Mining: 2013 – 2015 Dr Kerry Wilson	43 Occupational radiation exposure and the risk of cancer and cardiovascular diseases among medical radiation workers Prof Won Jin Lee			250 Occupational exposures and ALS: international collaborations and new ways to identify risk factors Dr Susan Peters
16.30 – 16.45		98 Aristolochic acid and the risk of cancers in patients with diabetes Prof Pau-chung Chen			

16.30 – Late	Te Papa Level 4	Conference Dinner
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THURSDAY 2 MAY

08.00 – 17.30	Oceania Level 3	Registration Open
08.30 – 10.00	Amokura Level 4	<p data-bbox="384 712 1492 759">KEYNOTE 4 - CHILD LABOR AMONG SYRIAN REFUGEES IN LEBANON: A STORY OF ARMED-CONFLICT, MIGRATION, SURVIVAL, HEALTH, AND THE FUTURE OF SYRIA'S "LOST GENERATION"</p> <p data-bbox="842 785 1031 804">Professor Rima Habib</p> <hr data-bbox="375 812 1503 813"/> <p data-bbox="850 841 1023 860">PANEL DISCUSSION</p>
10.00 – 10.30	Oceania Level 3	Morning Tea

Session 7	7A Amokura	7B Icon	7C Soundings	7D Rangimarie 1	7E Rangimarie 2
	Injuries	Psychosocial Factors	Intervention Studies	Health Inequalities	Mini-Symposium 5: Climate Change
10.30 – 10.45	25 Occupational Injuries Among Offshore Fishermen at a Central Coastal Town in Vietnam <i>Dr Nguyen Bich Diep</i>	111 Modelling mortality by suicide among women at work in the Swiss national cohort <i>Dr Pascal Wild</i>	86 Systematic literature review on the effects of occupational safety and health (OSH) interventions at the workplace <i>Prof Johan Hviid Andersen</i>	90 Investigating the difference of work-related harms in New Zealand by ethnicity <i>Dr Trang Khieu</i>	363 Solutions to prevent occupational health and productivity effects of heat: the HEAT-SHIELD project <i>Prof Tord Kjellstrom</i>
10.45 – 11.00	139 Gender, Immigration Status, and Work Disability for Acute Injuries <i>Prof Mieke Koehoorn</i>	306 Pilot project for identifying psychosocial risk factors among senior physicians in the paediatric medical center of a university hospital center <i>Dr Marie-Agnès Denis</i>	138 Developing a Measuring Strategy for monitoring and evaluation of a national occupational health intervention programme in Great Britain (GB) <i>Dr Yiqun Chen</i>	123 Health-related educational differences in duration of working life and loss of paid employment: working life expectancy in the Netherlands <i>Prof Alex Burdorf</i>	141 Risk Factors for Heat Strain - Comparing indoor and outdoor workers in the changing Climate scenario <i>Prof Vidhya Venugopal</i>
11.00 – 11.15	152 Creating safer workplaces: learning from work-related fatal injury in New Zealand <i>Dr Rebecca Lilley</i>	252 A Cohort Study of Sleep on Health Psychology among Professional Drivers <i>Mrs Yu Jen Lin</i>	234 Effectiveness of a multi-faceted intervention to prevent musculoskeletal pain in nurses and aides: results of a cluster-randomized controlled trial <i>Mrs Mercè Soler Font</i>	273 Working conditions and health behaviour as causes of educational inequalities in self-rated health: an Inverse Odds Weighting approach <i>Ms Jolinda Schram</i>	170 Estimation of work-related injury and economic burden attributable to heat stress in Guangzhou, China <i>Prof Cunrui Huang</i>
11.15 – 12.00	33 Hazards and injuries associated among small scale gold miners in the Philippines <i>Prof Jinky Leilanie Lu</i>	316 Are psychosocial working conditions associated with suicide and intentional self-harm? A register-based	129 Use of control measures among construction workers when 210ming dusty work <i>Dr Trang Khieu,</i>	240 Health inequalities among working population of Latin America and the Caribbean	356 Estimating economic impact of heat on China's labour productivity: New evidence from a CGE model <i>Prof. Wenjia Cai</i>

		study of 420,895 Norwegians Dr Ingrid Sivesind Mehlum	Mr Jacob Daubé	Mr Michael Silva-Peñaherrera	
12.00 – 12.15	236 Objectively assessed arm elevation and the course of neck and shoulder pain during a 2-year follow-up: a compositional approach Dr Suzanne Merkus	63 Trajectories of psychosocial working conditions as predictors of later life physical function Dr Charlotta Nilsen	197 Assessing the Impact of Intervention on Future Lung Cancer Burden among Construction Workers Mr Chaojie Song	12 Subjective cognitive decline among US workers aged ≥45 years by occupation, BRFSS, 2015-2016 Dr Harpriya Kaur	364 New initiatives in international collaboration for describing the occupational heat hazards via epidemiological studies and modelling Jason Lee
12.15 – 12.30		108 Mortality by suicide in the Swiss National Cohort (1990-2014): analysis according to occupation and economic activity Prof Irina Guseva Canu	245 Effectiveness of an audit-based occupational health and safety management system certification on firm injury rates in Alberta, Canada Dr Chris McLeod	62 Comparison of the mortality from neurodegenerative diseases and suicide among French, US, GB and Korean farming cohort studies Dr Camille Pouchieu	Round Table Discussion
12.00 – 13.00	Oceania Level 3	Lunch & Poster Session 3			
	Room TBA	EPICOH Business Meeting			
Session 8	8A Amokura	8B Icon	8C Soundings	8D Rangimarie 1	8E Rangimarie 2
	Occupational Cancer-3	Occupational Health Effects of Heat	Miscellany	Work Capability	Musculoskeletal Disorders-3
13.00 – 13.15	207 Estimating the burden of lung cancer due to occupational exposure to radon gas Dr Cheryl Peters	79 Risk of Heat Related Illness in Latino Agricultural Workers: Environmental	214 A Probabilistic Bias-Analysis Method for Evaluating Disease Misclassification in a Historical Cohort	314 Occupational-related acute and chronic health effects in terms of permanent Work	88 Persistent postoperative pain after inguinal hernia repair is related to occupational lifting

		Temperature and Activity Levels <i>Dr Marc Schenker</i>	Mortality Study of Trichlorophenol Workers <i>Ms. Laura Scott</i>	Capability Loss and DALYs: A cross-sectional study <i>Dr David Alvarez-Rincon</i>	<i>Dr Marie Vad</i>
13.15 – 13.30	258 Breast cancer and persistent night shift work starting at an early age that causes circadian disruption <i>Dr Ruth Lunn</i>	202 Epidemiological descriptions of occupational health effects of climate change <i>Dr Bruno Lemke</i>	59 Is Chronic Kidney Disease of unknown cause (CKDu) an occupational or an environmental disease? <i>Prof Neil Pearce</i>	179 Occupational complexity in relation to late life physical functioning in Sweden <i>Mr Ingemar Kåreholt</i>	132 High physical workload and disability pension: a follow-up study of Swedish men until 59 years of age <i>PhD Katarina Kjellberg</i>
13.30 – 13.45	264 Mining exposures and lung cancer in contemporary Western Australian miners <i>Dr Nita Sodhi-Berry</i>	211 Heat and Injury in the Workplace: Perspectives from Health and Safety Representatives <i>Mr Blesson Varghese</i>	307 Physical activity as a moderator of effort-reward imbalance over time - Results of the German IliA-cohort study <i>Dr Jean-Baptist du Prel</i>	155 The effectiveness of vocational rehabilitation on work participation: a propensity score matched analysis using nationwide register data <i>Dr Taina Leinonen</i>	243 The Effect of Right Truncation Bias on Biomechanical Factor Risk Estimates for CTS <i>Prof David Rempel</i>
13.45 – 14.00	215 Asbestos exposure and prostate cancer, really? <i>Prof Marie-Elise Parent</i>	212 Exploring Occupational Injury Experiences During Hot Weather: A National Survey of Health and Safety Professionals <i>Mr Blesson Varghese</i>	190 Effective group education for healthy dietary habit using results of a dietary questionnaire in occupational field: An intervention study <i>Dr Ryoko Katagiri</i>	180 Favorable changes in physical working conditions and risk of sickness absence: Analyzing a prospective cohort study as a quasi-experiment <i>Dr Rahman Shiri</i>	301 Severity of carpal tunnel syndrome and manual work: findings from a case-control study <i>Prof Stefano Mattioli</i>
14.00 – 14.15	289 Total energy expenditure and risk of lymphoma subtypes: results from the European Epilymph case-control study <i>Prof Pierluigi Cocco</i>	220 Occupational heat exposure and cardiovascular health risks related to climate change in Pacific countries <i>Dr Ashley Akerman</i>	300 Got Milk? A First Ever Multi-Tiered Risk Assessment of Milk Applied as a Plant Protection Product for Allergic Worker Populations <i>Dr Halshka Graczyk</i>		181 Lifestyle factors in the incidence and prognosis of chronic pain <i>Dr Rahman Shiri</i>
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	Updated findings from the Newfoundland Fluorspar Miner's Cohort Dr Paul Villeneuve	change: estimating future heat wave hazards Mr Matthias Otto	Bus Drivers, Conductors and other Staff in Mumbai, India Prof Gauravi Ashish Mishra		
14.30 – 15.00	Oceania Level 3	Afternoon Tea			
15.00 – 16.30	Amokura Level 4	KEYNOTE 5 - INTERVENTION STUDIES IN OCCUPATIONAL HEALTH: THE MISSING LINK			
		Professor Martie van Tongeren			
		Conference Awards & Closing Ceremony			