



**ICOH 2022-2024 TRIENNIUM
SCIENTIFIC COMMITTEE MIDTERM REPORT
Covering the period February 2022 - March 2023**

ICOH is using an identical format for the Scientific Committee (SC) Midterm and Final Reports. Each covers a specified timeframe.

The SC Midterm Report covers the period February 2022 - March 2023.

Please submit it no later than March 1, 2023 to:

Vice President: Claudina Nogueira claudinanogueira@hotmail.com

cmcanogueira@gmail.com

Secretariat General

icoh@inail.it

The SC Midterm Report will be maintained on the ICOH SC Virtual Office webpage.

(PLEASE USE CAMBRIA FONT, SIZE 12, BLACK COLOUR TO COMPLETE THE FORM)

Date: March 13th, 2023

Submitted by SC: Cardiology in Occupational Health

Name of Chair: Prof. Marco M Ferrario

Year of Appointment: 2022

Email address: marco.ferrario@uninsubria.it

Name of Secretary: Prof. Franca Barbic

Year of Appointment: 2022

Email address: franca.barbic@hunimed.eu

SC Website URL (if available): <https://www.icoh-cvd.jp/>

Other SC Means of Communication:

Focus and aim of the SC:

The ICOH Scientific Committee on Cardiology in Occupational Health (ICOH-CVD) serves a professional network of researchers, occupational health physicians and public health workers throughout the world concerned about the impact of work and work-related factors on cardiovascular health, in particular hypertension, stroke and ischemic heart disease (IHD). Linking economic globalization to the changing nature of work and its impact on the risk of CVD, and focusing on research, worksite interventions, and public health, we are organized as an official committee of the International Commission of Occupational Health. Our work focuses on identifying work-related risk factors for CVD, including both the physical and psychosocial work

environment, the interplay of social class, work and health, interventions to reduce the burden of unhealthy jobs, and public policy concerns to foster change in working conditions.

PART I – ACTIVITIES: Business meetings, Conferences, Seminars and Workshops

Period: February 2022 - March 2023

Please note collaborations with other SCs, WHO, ILO and NGOs.

1) Business meeting:

Venue:

Date:

Number of attendees:

Date report sent to VP (Please use Business Report form in SC Virtual Office at <http://www.icohweb.org/>):

Conferences, Seminars, Workshops, Courses, etc.:

(Please use a table for each event description; please delete blank tables)

(1) Name of the event:	The Physical Activity Health Paradox and Workers' Cardiovascular Health: Recent Evidence, Mechanisms, and Potential Implications for Occupational Health Practices				
Type of event (please check):	Conference	Seminar	Workshop	Course	Other
			X		
Date:	Wednesday, April 26th, 2023, from 1:00-2:00pm Eastern Time				
Venue:	Webinar				
Organizers:	The U.S. National Occupational Research Agenda (NORA) Cross-Sector for Cancer, Reproductive, Cardiovascular and Other Chronic Disease Prevention (CRC) CVD Group				
Co-organizers and Collaborators: Please identify and describe roles					
Number of participants:	Estimation of 100				
Publication or provision of CD/DVD proceedings:	The webinar will be posted in YouTube				
Book of abstracts:					
Book of selected proceedings:					
Special issue of peer reviewed journals:					

(2) Name of the event:	The integration of Occupational Medicine and Public Health to improve cardiovascular health in the workplace and community. Workshop at World Congress Public Health, Rome-2023										
Type of event (please check):	<table border="1"> <thead> <tr> <th>Conference</th> <th>Seminar</th> <th>Workshop</th> <th>Course</th> <th>Other</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table>	Conference	Seminar	Workshop	Course	Other			X		
Conference	Seminar	Workshop	Course	Other							
		X									
Date:	May 2-6 2023										
Venue:	World Congress Public Health, Rome; registrationwcp2023@thetriumph.com										
Organizers:	Franca Barbic (Humanitas University) and Saverio Stranges (Western University, London, Ontario Canada)										
Co-organizers and Collaborators: Please identify and describe roles	<ul style="list-style-type: none"> • Saverio Stranges (speaker and co-chair, Epidemiology and Biostatistics Department, Western University, London Ontario, Canada)) • Nicola Magnavita, (Speaker) (University Sacred Heart, Rome) • Giuseppina Affinito, (speaker; Public Health Department, University Federico II, Naples) • Veruscka Leso. (Speaker, Occupational Medicine, University Federico II, Naples) 										
Number of participants:	Estimation of 100										
Publication or provision of CD/DVD proceedings:	Proceedings of the World Public Health Congress										
Book of abstracts:											
Book of selected proceedings:											
Special issue of peer reviewed journals:											
Assessment of success / impact:											

(3) Name of the event:	EpiBio Seminar Series 2022: Chronic Disease Prevention in the Workplace: from research to clinical practice and public health policy				
Type of event (please check):	Conference	Seminar	Workshop	Course	Other
		X			
Date:	November 25Th 2022				
Venue:	Epidemiology and Biostatistic Department, Western University, London, Ontario, Canada				
Organizers:	Saverio Stranges, Chair of				

	Epidemiology and Biostatistics Schulich School of Medicine and Dentistry Western University
Co-organizers and Collaborators: Please identify and describe roles	Ava Jhon-Baptiste, Scientific Coordinator of EpiBio Seminar 2022, Western University, London University Isabel Bertomeu, administrative organizer, Western University.
Number of participants:	100
Publication or provision of CD/DVD proceedings:	Abstract on line; https://www.schulich.uwo.ca/epibio/about_us/seminar_series.html
Book of abstracts:	
Book of selected proceedings:	
Special issue of peer reviewed journals:	

PART II - SC PRODUCTS AND COLLABORATIONS

Period: February 2022 - March 2023

Publications, Proceedings, Guidelines*, Position Papers*, etc.

(Provide title, authors, full citation. SCs are encouraged to produce ICOH Guidelines* and Position Papers*.

Guidelines and Position Papers must be approved **before publication by the ICOH SC Vice Presidents, Secretary General and President. Please refer to Article 8 – Publications and Websites – of the ‘Guidelines for Scientific Committees’ in the SC Virtual Office).*

Yunke Shi, Caifeng Zhu, Ruxin Jiang, Min Zhang, Hongyan Cai, Zhao Hu, Huang Sun, Yixi Liu, Yujia Ye, Yiming Ma, Xingyu Cao, Roland von Känel, **Jian Li**. Job Burnout is Associated with Slow Improvement of Quality of Life in the Employees after A First Episode of Acute Coronary Syndrome: A Hospital-Based Longitudinal Study in China. *Journal of Psychosomatic Research*, 2022, 152: 110690.

Dal Lae Chin, MinJung Kyung, **Jian Li**, Stephanie Phelps, OiSaeng Hong. The Short Form Effort-Reward Imbalance: Measure of Occupational Stress for Firefighters. *American Journal of Industrial Medicine*, 2022, 65 (6): 492-499.

Jian Li, Paul Landsbergis, Grace Sembajwe, Alexis Descatha, Johannes Siegrist. Comments to Moretti Anfossi et al.’ s (2022) “Work Exposures and Development of Cardiovascular

Diseases: A Systematic Review”: What is Current Scientific Consensus? *Annals of Work Exposures and Health*, 2022, 66 (6): 822-824.

Xinyue Liu, Timothy A. Matthews, Liwei Chen, **Jian Li**. The Associations of Job Strain and Leisure-Time Physical Activity with the Risk of Hypertension: The Population-Based Midlife in the United States Cohort Study. *Epidemiology and Health*, 2022, 44: e2022073.

Timothy A. Matthews, Yifang Zhu, Wendie Robbins, Mary Rezk-Hanna, Paul M Macey, Yeonsu Song, **Jian Li**. Adulthood Psychosocial Disadvantages and Risk of Hypertension in U.S. Workers: Effect Modification by Adverse Childhood Experiences. *Life (Basel)*, 2022, 12 (10): 1507.

Luqiao Wang, Yunke Shi, Zhao Hu, Yanyan Li, Yan Ang, Pan Jing, Bangying Zhang, Xingyu Cao, Adrian Loerbroks, **Jian Li**, Min Zhang. Longitudinal Associations of Work Stress with Changes in Quality of Life among Patients after Acute Coronary Syndrome - A Hospital-Based Study. *International Journal of Environmental Research and Public Health*, 2022, 19 (24): 17018.

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Marc Fadel, Grace Sembajwe, **Jian Li**, Annette Leclerc, Fernando Pico, Alexis Schnitzler, Yves Roquelaure, Alexis Descatha. Association between Prolonged Exposure to Long-Working Hours and Stroke Subtypes in the CONSTANCES Cohort. *Occupational and Environmental Medicine*, being accepted on January 30, 2023.

Natalia Wege, Johannes Siegrist, **Jian Li**. Prospective Association of High Effort and Low Reward Imbalance at Work with Risk of Diabetes: A Cohort Study in U.S. Workers. *International Journal of Behavioral Medicine*, being accepted in February 17, 2023.

Jian Li, Timothy A. Matthews, Thomas Clausen, **Reiner Rugulies**. Workplace Discrimination and Risk of Hypertension: Findings from a Prospective Cohort Study in the United States. *Journal of the American Heart Association*, being accepted in February 17, 2023.

Faruque MO, Framke E, Sørensen JK, Madsen IEH, **Rugulies R**, Vonk JM, Boezen HM, Bültmann U. Psychosocial work factors and blood pressure among 63 800 employees from The Netherlands in the Lifelines Cohort Study. *Journal of Epidemiology and Community Health* 2022;76(1):60-66. <http://pmid.us/34215566>.

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Collaborative activities with other ICOH SCs:

(If collaboration in a Conference not listed above, provide event name, dates, location, name and role of each SC. Provide relevant details of other collaborations with SCs.)

None, at the moment.

Participation and support to WHO – ILO meetings and/or publications:

(If collaboration in a Conference not listed above, provide event name, dates, location and role of each participating organization. Provide relevant details of other collaborations with WHO and/or ILO.)

Dr. Jian Li has been appointed as a member of the WHO Technical Advisory Group on Occupational Burden of Disease Estimation (TAG-OBODE) (<https://www.who.int/groups/technical-advisory-group-on-occupational-burden-of-disease-estimation>).

Collaboration with non-ICOH organizations:

(If collaboration in a Conference not listed above, provide event name, dates, location, name and role of each participating organization. Provide relevant details of collaborations *other than* conferences.)

Any other points of relevance:

Are ongoing the activities to prepare a special issue of International Journal of Environmental Research and Public Health (ISSN 1660-4601): "Work Environment and Cardiovascular Diseases: From Evidence of Causal Associations to Workplace Interventions".

The U.S. National Occupational Research Agenda (NORA) Cross-Sector for Cancer, Reproductive, Cardiovascular and Other Chronic Disease Prevention (CRC) CVD Group and the ICOH CVD Scientific Committee are working together to update the Wikipedia page on "Occupational cardiovascular disease" (https://en.wikipedia.org/wiki/Occupational_cardiovascular_disease).

Other Special Issues of International Journal of Environmental Research and Public Health :

Work-Related Safety and Health: Safeguard the Safety, Health, and Well-Being of the Workforce

Sleep, Shift Work and Health: Global Perspectives

PART III - SC PLANS for the ICOH2024 Congress and for the second half of the triennium: March 2023 – May 2024

Planned Scientific Contributions to the ICOH2024 Congress:

(*If already available*, provide specific information: e.g. list title of scientific sessions, speakers, abstract reviewers, business meeting, etc.)

Free paper session named Cardiology in OH.

Special section title Recognised Occupational CVD risk factors: time to start a prevention Total Worker Health approach?

Planned business meetings, conferences, seminars:

(Provide event name, dates, location, if possible)

To be decided yet.

Planned collaborative activities with other ICOH SCs:

(Provide event name, dates, location, collaborating SCs and role of each SC. Provide relevant details of other collaborations with SCs.)

None for the moment.

2022-2024 Planned collaborative activities with other (non-ICOH) organizations:

(Provide name of non-ICOH organization, event name, dates, location and role of the SC. Provide relevant details of collaborations *other than* conferences.)

Planned Publications, Guidelines*, Position Papers*, etc.:

(Provide proposed title, authors, timeframe, publication vehicle, if possible.)

Guidelines and Position Papers must be approved **before publication by the ICOH Vice Presidents, Secretary General and President. Please refer to Article 8 – Publications and Websites – of the ‘Guidelines for Scientific Committees’ in the SC Virtual Office).*

Any other points of relevance:

PART IV - Assessment of Success of the SC and Impact on Global Occupational Health

ICOH aims to understand and share widely the value and impact of the work of the SCs on improving global occupational health. Please review past events, activities and deliverables, and provide an assessment of the SC outputs.

SC Midterm Report:

(Please assess the success of the SC and its influence in improving global occupational health as a result of the work *prior to* the current Triennium. Give examples where possible.)

Many of scientists of the SC during the COVID-19 pandemic, concentrate on its occupational health effects. Now we are in the process to restart to highlight CVD topics. I do hope that a series of webinars in the next future, may help.

PART V - Evaluation of this SC Midterm Report form

- This form is acceptable
- This form should be changed. Please recommend changes for improvement.

PART VI – List the Members of the SC or attach a separate file with the list (provide full name and email address of all members)

SC Members

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Thank you for completing this form.