

Program Toxic Metals Symposium Munich

Friday 4th of July 2025				
	Heading the stage			
9.00-9.30	Welcome notes	Francesca Biagini	Vice President LMU Munich	Germany
		Thomas Gudermann	Dean Medical Faculty LMU Munich	Germany
		Dennis Nowak	Director Institute and Clinic of Occupational, Social and Environmental Medicine	Germany
		Maria Ward School Bass Ensemble - Michelle O'Reilly	Musical intermezzo	
		Daniele Mandrioli	Secretary General Collegium Ramazzini	Italy
		Melissa McDiarmid	President Collegium Ramazzini	USA
9.30-9.45	Housekeeping	Stefan Rakete	Ludwig Maximilian University (LMU)	Germany
9.45-10.15	<i>Keynote: Green transition – future minerals and potential health impacts</i>	Karin Broberg	Lund University	Sweden
10.15-10.30		Maria Ward School Bass Ensemble - Michelle O'Reilly	Musical intermezzo	
10.30-11.00	Who is who in the room - expectations and backgrounds	Stefan Rakete	Ludwig Maximilian University (LMU)	Germany
	Moderation	Melissa McDiarmid	Collegium Ramazzini	USA
11.00-11.30	Break			
	Setting the scene - Exposure to toxic metals			
11.30-11.45	Occupational exposure to toxic metals	Daniele Mandrioli	Ramazzini Institute	Italy
11.45-12.00	The carcinogenicity of metals	Kurt Straif	Boston College & ISGlobal Spain	USA/Spain
12.00-12.15	Used lead acid batteries recycling in Africa and India	Anuradha Varanasi & Andreas Manhart	Oeko-Institute	Germany / India
12.15-12.30	E-waste and occupational health in Ghana	Andrea Kaifie-Pechmann	Friedrich-Alexander-Universität Erlangen	Germany
12.30-12.45	Artisanal and small-scale gold mining in Sub-Saharan Africa and children's health	Stephan Böse-O'Reilly	Ludwig Maximilian University (LMU)	Germany
12.45-13.00	Discussion	Morando Soffritti (moderation)	Collegium Ramazzini	Italy
13.00-14.00	Lunch			
	Musical Break	Maria Ward School Bass Ensemble - Michelle O'Reilly, Mirjam von Kirschten, Lilly Hege	Musical intermezzo	International

14.00-14.30	<i>Keynote: Toxic metals and global health - Lessons from the lead poisoning pandemic</i>	Phil Landrigan	<i>Boston College</i>	USA
	Human exposure to toxic metals in the Global South I			
14.30-14.45	Southern Africa - One health and toxic metals	John Yabe	University of Namibia	Namibia
14.45-15.00	Occupational and environmental exposure to lead in Indonesia	Dewi Yunia Fitriani	Universitas Indonesia	Indonesia
15.00-15.15	Occupational metal exposure and health outcomes in the Congolese copper belt region	Paul Musa Obadia	University of Lubumbashi	Democratic Republic of Congo
15.15-15.30	An investigation on the adverse impacts of mineral mining on the environment / Zimbabwe	Brandon Phathisani Sibanda	Enviro recsus Zimbabwe	Zimbabwe
15.30-15.45	Strategies for protecting people from OSH hazards during brown-field expansion of industrial plants in mineral & metals sectors	Krishna Nirmalya Sen	L&T Construction, Minerals & Metals IC	India
15.45-16.00	Discussion	Katja Radon (moderation)	Ludwig Maximilian University (LMU)	Germany
16.00-16.30	Break			
	Human exposure to toxic metals in the Global South II			
16.30-16.45	Monitoring lead exposure in Indian children	Yi Lu	Vital Strategies	USA
16.45-17.00	Childhood anemia and malnutrition correlated to lead exposure in Zambia	Tiza Mufune	Ministry of Health, Kabwe District Health Management Team	Zambia
17.00-17.15	Cognitive functions of pupils around e-waste site in Accra, Ghana	Abigail Serwaa Akoto Bawua	University of Ghana	Ghana
17.15-17.30	Artisanal and small-scale gold mining and occupational health in the Philippines	Jinky Leilanie Lu	University of the Philippines Manila	Philippines
17.30-17.45	Lead in spices: evidence from the 100 most populous cities across India	Jenna Forsyth	Stanford University	USA
17.45-18.00	Discussion	Muchtaruddin Mansyur (moderation)	Universitas Indonesia	Indonesien
18.00-20.30	Get together			St. Vinzenz

Saturday 5th of July 2025				
	Toxic metal in the Northern Hemisphere			
8.30-8.45	Toxicology of aluminium	Andrea Hartwig	Karlsruhe Institute of Technology (KIT),	Germany
8.45-9.00	Effect of organic food intervention treatment on biomarkers of exposure to lead and cadmium in school children of Cyprus.	Konstantinos C. Makris	Cyprus University of Technology	Cyprus
9.00-9.15	Lead exposure of children in a former mining area in Germany	Lea John	Ludwig Maximilian University (LMU)	Germany
9.15-9.30	Mercury exposure via tuna consumption	Adna Alilovic	Institute Jožef Stefan Slovenia	Slovenia
9.30-9.45	Depleted uranium exposure in military populations	Melissa McDiarmid	University of Maryland	USA
9.45-10.00	Military occupational exposure to embedded metal fragments	Joanna Gaitens	University of Maryland	USA
10.00-10.15	Are big lithium batteries a potential health risk due to electro-magnetic fields?	Morando Soffritti	European Foundation Ruberti-Schileo and Ramazzini Institute	Italy
10.15-10.30	Exposure to metals during recycling of lithium-ion batteries for electric vehicles	Florenca Harari	University of Gothenburg	Sweden
10.30-11.00	Discussion	Dennis Nowak (moderation)	Ludwig Maximilian University (LMU)	Germany
11.00-11.30	Break			
11.30-13.00	Young researcher's work on toxic metals			
	E-poster presentation a 3-5 minutes	Stephan Böse-O'Reilly	Ludwig Maximilian University (LMU)	Germany
	Mercury released into the environment from the uncontrolled dumping of medical thermometers in hospitals in Cameroon	Samuel Tetsopgang	Association Institute of Total Environment (INTEV)	Cameroon
	Diet dependence of mercury exposure in Northern and Southern European populations	Marti Nogués Freixas	IDAIA - CSIC	Spain
	Artisanal gold mining, mercury and health in Paraguay	Laura Emilce Flores Rodriguez	Hospital de Clínicas Paraguay	Paraguay
	Working towards zero lead emissions from the battery recycling industry for a just energy transition in India.	Anuradha Vanasi	Columbia University	India
	Comparative measurements of toxic metals in dust in 66 households and 55 museum institutes with wipe samples and dust traps	Katharina Deering	Ludwig Maximilian University (LMU)	Germany
	Dynamics of value and power: Organization of the informal e-waste sector in Ghana and its health impacts	Johanna Elbel	Sciences Po	France
	Heavy metals monitoring following the massive use of fire crackers in Delhi	Tushar Joshi	Maulana Azad Medical College India	India

	Biomonitoring of occupational exposure to mercury among dentists in the Fes-Meknes region, Morocco	Imane Bensouda Korachi	Moulay Ismail University Morocco	Morocco
	Metal exposures and biomarkers of liver damage: A systematic review of observational studies	Julius Fobil & Ibrahim Issah	University of Ghana	Ghana
	Benchmark dose analysis of lead toxicity in wistar rats: identifying critical toxic effects	Dragana Vukelic	University of Belgrade	Serbia
	From Artisanal Gold to Industrial-Scale Mining: Marine Mercury Contamination Linked to Mining in the Global South	Omar Keshk	GEOMAR Helmholtz Centre for Ocean Research	Germany
	Genotoxicity testing with heavy metals – rolling the dice?	Christine Rösch	CFCS-Consult GmbH	Germany
	High lead exposure related to intake of Ayurvedic pharmaceuticals	Marcial Velasco Garrido	Universitätsklinikum Hamburg-Eppendorf	Germany
13.00-14.00	Lunch			
	New analytical tools and other topics			
14.00-14.15	"Do No Harm": Understanding and addressing lead exposure in development programs	Rachel Bonnifield	Center for Global Development	USA
14.15-14.30	New analytical approaches to inform exposure assessment and treatment modalities	Don Smith	University of California	USA
14.30-14.45	Microsampling as potential tool for toxic metal assessment	Stefan Rakete	Ludwig Maximilian University (LMU)	Germany
14.45-15.00	Criminal Arsenic Poisoning, a Case Study	Syarifah Hidayah Fatriah	Muhammadiyah University of Riau	Indonesia
15.00-15.15	Rapid market screening - lead in consumer products	Aelita Sargsyan	Pure Earth/ University of Valencia	Armenia
15.30-15.45	Discussion	Monica Nordberg (moderation)	Karolinska Institutet	Sweden
15.45-16.15	Break			
16.15-16.45	<i>Keynote: Global burden of health from lead and mercury exposure</i>	Ernesto Sanchez-Triana & Björn Larsen	World Bank	USA
16.45-18.00	Existing policy interventions - panel			
	Short inputs a 5 minutes, panel discussion, general discussion			
	Sustainable minerals - wanted!	Benjamin Katz	OECD Centre for Responsible Business Conduct	France
	Tackling the global burden of lead poisoning	Rachel Bonnifield	Center for Global Development	USA
	Lesson learnt - remediation of lead hotspot areas in Kabwe/ Zambia	Pamela Mwanza	Ministry of Mines	Zambia
	Moral mining - responsibility of industry - rights of communities	Sophie Turner	Leigh Day	UK
	Lead in gasoline - what we need to learn from a success story	Ernesto Sanchez-Triana	World Bank	USA
	Lithium and Co - future challenges for policies	Karin Broberg	Lund University	Sweden
	<i>Moderation</i>	<i>Melissa McDiarmid</i>	<i>President Collegium Ramazzini</i>	<i>USA</i>