



DA VENIAM SCRIPTIS QUORUM NON GLORIA NOBIS  
CAUSA, SED UTILITAS OFFICIUMQUE FUIT

# RAMAZZINI DAYS

October 23 - 26, 2025



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## **RAMAZZINI DAYS 2025**

23 - 26 OCTOBER

CARPI, ITALY

## **INFORMATION PACKET**

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## RAMAZZINI DAYS 2025

# DAILY EVENT KEY TIMES

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### THURSDAY 23 OCTOBER

16:30 Bus Bologna Autostazione to Hotel Carpi and Hotel Touring  
19:30 - 22:00 Evening welcome aperitivo for Collegium Fellows at the Hotel Touring

### FRIDAY 24 OCTOBER

#### SCIENTIFIC CONFERENCE DAY 1

##### San Rocco

8:00 - 8:30 Poster delivery & placement  
8:30 - 11:00 Scientific sessions  
13:00 - 14:00 Lunch  
14:30 - 17:30 Scientific sessions

##### The Hotel Touring

19:30 Dinner

### SATURDAY 25 OCTOBER

#### COUNCIL OF FELLOWS MEETING / SCIENTIFIC CONFERENCE DAY 2 / RAMAZZINI AWARDS

##### Sala del Consiglio Comune di Carpi

9:30 - 12:30 Council of Fellows - Sala del Consiglio

##### The Hotel Touring

13:00 - 14:00 Lunch

##### San Rocco

14:30 - 17:00 Scientific sessions  
18:30 - 19:30 Ramazzini Awards

##### The Hotel Touring

20:00 - 22:30 Ramazzini gala dinner

### SUNDAY 26 OCTOBER

#### SCIENTIFIC CONFERENCE DAY 3 / COLLEGIUM RAMAZZINI COMMITTEE MEETINGS

##### San Rocco

9:00 - 12:15 Scientific sessions  
12:15 - 13:00 Collegium Ramazzini Committee meetings

##### The Hotel Touring

13:00 - 14:00 Lunch  
15:00 Bus to Bologna Autostazione

## RAMAZZINI DAYS 2025

## SCIENTIFIC PROGRAM DAILY SCHEDULE

## FRIDAY

8:30 – 8:45 Intro and Welcome

**9:00 – 10:00 Scientific Session I - Work of the Fellows**  
Co-chairs: Seong-Kyu Kang, South Korea; Monica Nordberg, Sweden

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Redefining priorities: How occupational heat stress and extended hours transform women workers' social and family time, Vidhya Venugopal, India

Occupational justice: A new framework for advancing equity in occupational health, Yonah Amster, Israel

Pulmonary function-visit-to-visit-variability: A mortality risk factor in a fire department occupational World Trade Center cohort and a Rotterdam Community cohort, David Prezant, USA

Utility of metal biomonitoring in military populations with traumatic injuries, Joanna Gaitens, USA

**10:15 – 11:00 Scientific Session II -- Posters**  
Co-chairs: Sashikala Chandrasekar, India; Dingani Moyo, Zimbabwe; Chris Portier, Switzerland

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The following posters will be attended

Occupational solar ultraviolet exposure and melanoma risk: A case-control study in an Italian clinical setting, Davide Bergonzini, Italy

Climate crisis and health and the role of occupational health: Updates from international negotiations, and opportunities for the Collegium Ramazzini, Kurt Straif, USA

Occupational contact dermatitis: Estimated incidence vs. official INAIL reporting data in Italy, Rebecca Gasparini, Italy

Temperature and perinatal death: A nationwide time-stratified case-crossover study in Taiwan, Pau-Chung Chen, Taiwan

Southern California Superfund Research Training Program on emerging environmental exposures and work practices for nanomaterials and electronic products, Oladele Ogunseitan



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Assessment of lead (Pb) and carbon dioxide (CO<sub>2</sub>) emissions from vehicles in urban air and the impact on health in exposed populations in Albania (2021-2024), Elida Mataj, Albania

Dynamics of value and power: Organization of the informal e-waste sector in Ghana and its health impacts, Johanna Elbel, France

Emerging occupational risk scenarios in the automotive sector driven by the rise of electric mobility, Dagllas Alushi, Italy

11:00 – 11:30

Coffee break

11:45 – 12:45

**Scientific Session III - New Approach Methodologies (NAMs) for protecting human and ecosystems health**

Co-chairs: John Bucher, USA; Davide Degli Esposti, France

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Connecting molecular signals and (eco)toxicological effects: Endocrine disruption in animal models as a case study, Davide Degli Esposti, France

From replacement to relevance: A historical perspective on the evolution and integration of new approach methodologies (NAMs), Casey Warren, USA

Evaluate mechanistic studies by key characteristics of carcinogens: Using a novel quantitative approach and a comprehensive assay database, Luoping Zhang, USA

13:00 – 14:00

Lunch

14:30 – 16:30

**Scientific Session IV - Still leaded: Global efforts and challenges in tackling childhood lead poisoning in low and middle-income countries**

Co-chairs: Casey Bartrem, USA; Carlos Santos-Burgoa, USA

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Advancing the lead agenda, private institutional capture, under a constrained cultural, economic, and political context, Carlos Santos-Burgoa, USA

The enduring legacy of lead poisoning, Bruce Lanphear, Canada

Soil to consumer-products: Lead exposure assessment and risk reduction in former smelter community of Shymkent, Kazakhstan, Marina Steiner, USA

Ethical implications of mineral extraction in relation to children's health in Kabwe, Zambia, Stephan Böse-O'Reilly, Germany

From research to action: Catalyzing new research that accelerates efforts to eliminate unsafe used lead-acid battery (ULAB) recycling practices, Hirushan Thayalan, Canada

**16:45 – 17:30****Scientific Session V- Posters (continued)**

Co-chairs: Sashikala Chandrasekar, India; Dingani Moyo, Zimbabwe; Chris Portier, Switzerland

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The following posters will be attended

MicroRNA profile in the exhaled breath condensate: A biomarker of past exposure to asbestos and asbestos-related interstitial lung diseases?, Pierluigi Cocco, The United Kingdom

History of asbestos-related preventive measures and asbestos ban in Germany, Xaver Bauer, Germany

Decreasing counts of occupational diseases in the Czech Republic and unexpected serious accident involving benzene, Daniela Pelclova, The Czech Republic

Bridging the gap: Incorporating occupational exposure into exposome science for better disease prevention, Roberto Lucchini, Italy

Domestic asbestos exposure from drinking water in Emilia-Romagna, Elia Lettucci, Italy

10 years of outstanding adherence and yield of screening for occupational lung cancer, 2014-2024, Steven Markowitz, USA

Impact of secondary prevention in the Building Trades National Medical Screening Program, Knut Ringen, USA

Concerns related to violence and job satisfaction among emergency care professionals, Matteo Silvestri, Italy

**SATURDAY****14:30 – 15:30****Scientific Session VI - Ramazzini Institute Research Update**

Co-chairs: Philip Landrigan, USA; Danieli Mandrioli, Italy

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The translational value of the Cesare Maltoni Cancer Research Center bioassays for human health, Daniele Mandrioli, Italy

The SPRINT Project: Evidence from epidemiological and toxicological studies on multiple pesticides exposures, Simona Panzacchi, Italy

Global Glyphosate Study: Neurobehavioral effects in Sprague-Dawley rats exposed long-term from prenatal life to glyphosate and glyphosate-based herbicides, Ilaria Menghetti, Italy



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**15:45 – 17:00**

### **Scientific Session VII - Work of the Fellows**

Co-chairs: Anders Englund, Sweden; Amalia Laborde Garcia, Uruguay

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Hepatitis B serology testing and vaccine campaign for Gambian health workers: Pilot results and plans for a national scale-up, Melissa McDiarmid, USA

Outdoor workers: Occupational safety and health risks in the climate change era, Alberto Modenese, Italy

Interdisciplinary and experiential education in occupational safety and health, Mitchel Rosen, USA

Environmental origin of breast cancer, Lizbeth López-Carrillo, Mexico

Successes and next steps: Meetings in Tirana and Munich supported by the Collegium. Stephan Böse-O'Reilly, Germany; Melissa Perry, USA

## **SUNDAY**

**9:00 – 10:00**

### **Scientific Session VIII - Fluoride: A developmental neurotoxicant**

Co-chairs: Linda Birnbaum, USA; Florencia Harari, Sweden

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Pathogenesis of fluoride-induced IQ loss: Two possible mechanisms at different developmental stages, Charles Vyvyan Howard, The United Kingdom

Early and ignored signs of fluoride toxicity, Philippe Grandjean, Denmark

Systematic review and meta-analysis of fluoride exposures and children's cognitive neurodevelopment, John Bucher, USA

The end of fluoridation? Bruce Lanphear, Canada

**10:15 – 11:00**

### **Scientific Session IX- Posters (continued)**

Co-chairs: Sashikala Chandrasekar, India; Dingani Moyo, Zimbabwe; Chris Portier, Switzerland

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The following posters will be attended

Occupational health and safety hazards and mitigation in blast furnace reconstruction of operational steel plant, Krishna Nirmalya Sen, India

Aggregate exposure to pesticides measured by wristbands and biomonitoring: Preliminary results from the SPRINT study, Paul Scheepers, The Netherlands

Occupational exposure to ionizing radiation of aircrew during commercial flights and space missions, Mitia Stiscia, Italy

Leveraging low-cost sensors for monitoring air quality in a mega-city in sub-Saharan Africa (SSA): Insights and lessons learned, Adetoun Mustafa, Nigeria

Raising awareness of occupational health and safety through theatre: An Italian academic initiative of public engagement, Allesandra D'Alterio, Italy

Road map for reducing human exposure to toxic metals: Outcomes from the 2025 Munich Symposium, Stephan Böse-O'Reilly, Germany

International comparative analysis of public health regulatory institutions, Carlos Santos-Burgoa, USA

**11:15 – 12:15**

**Scientific Session X -- Work of the Fellows**

Co-chairs: Carl Cranor, USA; Ana Soto, USA

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Neonicotinoid pesticides: Developmental neurotoxicity evidence and the regulatory landscape, Jennifer Sass, USA

Environmental risk factors and risk of early onset dementia in the Modena province, Northern Italy, Tomaso Filippini, Italy

Increasing pediatric cancer risks in the age of clean energy: What is your excuse - antimony, gold or arsenic?, Margrit Von Braun, USA

**12:15 – 13:00**

Collegium Ramazzini Committee meetings



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None

## Raising awareness of occupational health and safety through theatre: an Italian academic initiative of public engagement

Presenter - Policy Discussion

### D'Alterio Alessandra

Alessandra D'Alterio, MD, is in the Occupational Medicine Residency program within the Department of Bio-medical, Metabolic and Neural Sciences at the University of Modena and Reggio Emilia, collaborating to various research and clinical activities for the prevention of health risks in workers exposed to occupational risk factors.

### All authors and affiliations

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2. AiNTS - Italian Non-Technical Skill Association, Modena, Italy

### Background or Purpose

In 2024, over 500,000 occupational accidents were reported in Italy, including 1,077 fatalities (INAIL, 2024). These figures underscore the urgent need for both companies and the general public—particularly young people—to recognize the importance of prevention and to develop a deeper awareness of workplace safety.

Theater, already recognized as an effective training tool for risk prevention (Ricci, 2022; McCallum et al., 2022), offers a unique means to engage audiences emotionally and intellectually, encouraging reflection on occupational health and safety issues in contemporary society.

### Content

The play “Nessun Dubbio” (NB: original Italian title, the translation is “No Doubt”), supported by the University of Modena & Reggio Emilia, dramatizes a fatal workplace accident. Using an interactive “murder mystery dinner” format, twelve characters explore the causes of the incident. While human error initially seems to be the culprit, a more nuanced investigation raises deeper questions:

Could this tragedy have been avoided? Were adequate safety measures in place? The audience, positioned as a metaphorical thirteenth participant, observes the characters' evolving perspectives, prompting critical reflection and challenging initial assumptions.

### Implications for addressing the issue

Between May 2022 and September 2024, Nessun Dubbio was performed 15 times—four of which were sponsored by Unimore—reaching approximately 200 citizens and 1,000 high school students in Modena and Mantua. Impact assessments, conducted through surveys, revealed a significant improvement in hazard perception, safety knowledge, and awareness. Participants also demonstrated a stronger understanding of the importance of collective empowerment. Notably, the initiative led to measurable progress in three key areas: increased risk awareness, a stronger safety culture within organizations, and more positive attitudes toward safe workplace behaviors.

**Potential follow-up/actions**

These findings suggest that theatre is a powerful tool for public engagement. By involving audiences directly and appealing to both rational thought and emotional resonance, it fosters meaningful awareness and dialogue around workplace safety and prevention.

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## Road map for reducing human exposure to toxic metals: outcomes from the 2025 Munich Symposium

Presenter - Policy Discussion

**Böse-O'Reilly Stephan**

Dr. Stephan Böse-O'Reilly is a Professor for Environmental and Public Health at the LMU University Hospital, Institute and Clinic for Occupational, Social and Environmental Medicine, Munich, Germany. He is a pediatrician, and his main interest is to prevent children from disease by helping to reduce their exposure to toxic substances, such as lead and mercury.

**All authors and affiliations**

Stephan Böse-O'Reilly (1); Morando Soffritti (2,3); Dennis Nowak (1); Daniele Mandrioli (3); Stefan Rakete (1); Melissa McDiarmid (4)

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2. European Foundation Ruberti-Schileo, Treviso, Italy
3. Ramazzini Institute, Bologna, Italy
4. University of Maryland School of Medicine, Baltimore, Maryland, USA

**Background or Purpose**

Toxic metals such as lead, mercury, and arsenic remain critical global health threats, with mounting evidence that even low-level exposure contributes significantly to cancer, cognitive impairments, and cardiovascular diseases.

**Content**

The Symposium Toxic Metals held in July 2025 in Munich convened around 150 experts across disciplines to establish a comprehensive road map for reducing human exposure, particularly in low- and middle-income countries (LMICs). The symposium featured sessions on environmental and human biomonitoring, risk assessment, and mitigation strategies. Key discussions emphasized the need for systematic monitoring of toxic metal exposure, especially in communities affected by industrial emissions, artisanal mining, and the extraction of transition minerals essential for renewable energy technologies. Participants highlighted the environmental trade-offs of decarbonization, warning that mining for critical materials such as lithium, cobalt, and rare earth elements may increase exposure risks if not properly managed. Technological advances, including microsampling and high-resolution analytical methods, were presented as promising tools for improving biomonitoring accuracy and accessibility, especially in resource-constrained settings. Several case studies underscored the importance of integrating biomonitoring data into health surveillance systems to assess exposure trends and vulnerable populations.



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