



XII Seminar – PhD Day
Happiness is a simple system

July 15-16, 2021

Virtual Meeting
organized by

ISTITUTO SUPERIORE DI SANITÀ
Training Office

SAPIENZA UNIVERSITÀ DI ROMA
Department of Public Health and Infectious Diseases

N° ID: 191D21-R

Relevance

The PhD Day represents a traditional, successful event in the activities of the PhD in Infectious diseases, microbiology and public health. The last meeting of PhD students in Infectious Diseases, Microbiology and Health has been strongly influenced by, and focused on the COVID-19 pandemic. The XII meeting tries to get out from the emergency, with invited talks dedicated to two aspects: happiness and simplicity/complexity. Happiness is intended as the including the comprehensive concept of well-being, while the contrasting simple/complex dichotomy is a paradigm of biological systems that requires both complex interactions and simple adaptive solutions.

Objectives

The event aims at encouraging sharing and spreading the PhD students' results and research projects. Their works will be presented as either oral communications or abstracts or posters. This will permit to a wide audience to get in touch with the most updated researches in the field.

Structure

As usual, the PhD students of the third year will present orally their results. In this edition, students at the second year will present in a virtual poster session their studies, while the abstracts of first year students studies are included in the "New research topics" section of the abstract book.



PROGRAMME

Thursday, July 15

9.00 Access to the platform

PRELIMINARY WELCOME

Alfonso Mazzaccara

Training Office, Istituto Superiore di Sanità, Rome, Italy

Paolo Villari, Stefano D'Amelio

Department of Public Health and Infectious Diseases, Sapienza University of Rome, Italy

SESSION I

Chairpersons: **Arianna Di Rocco, Ilaria Bernardini, Ilaria Bellini, Valentina Perri**

9.30 Lecture

Complexity and networks in nature and medicine

Guido Caldarelli

10.20 Lecture

Leishmania and Wolbachia as immunomodulating agents. Perspectives for the development of novel platforms for vaccines

Claudio Bandi

PHD CANDIDATES' COMMUNICATIONS (11.15-13.00)

Intestinal permeability and microbial translocation during Coronavirus disease-19

Dania Al Ismail

Practical implementation of one health in vector-borne and emerging diseases

Laura Amato

Genotypic and phenotypic features of S. aureus involved in atopic dermatitis

Antonietta Lucia Conte

Epidemiology and clinical impact of airways colonisation from filamentous fungi in adult patients with cystic fibrosis

Marcello Di Paolo

Modulation of phenylalanine and tyrosine metabolism in HIV-1 infected patients with neurocognitive impairment: results from a clinical trial

Giuseppe Pietro Innocenti

Occurrence, distribution and ecology of Anopheles mosquitoes and risk of malaria re-emergence in Italy

Fabrizio Montarsi

13.00 Break

PHD CANDIDATES' COMMUNICATIONS (14.00-15.30)

Determining the role of blood biomarkers, immune cells and tocilizumab as an effective immunomodulator during the course of COVID-19 pneumonia

Parni Nijhawan

Effect and modulation of Aspergillus fumigatus extracellular proteins

Anastasia Orekhova

The impact of Cytomegalovirus in multiple sclerosis: implications for natural killer cell repertoire

Valentina Perri

Entomological factors undermining the efficacy of insecticide treated bed nets in preventing malaria transmission: evidences from a longitudinal survey in a rural village of Burkina Faso

Eleonora Perugini

Small-RNA analysis from third-stage larvae and exosomes provides the first MiRNAs catalogue from anisakid nematodes

Antonella Pizzarelli

Bayesian statistical models to evaluate the efficacy of traditional and innovative mosquito control interventions

Chiara Virgillito

VIRTUAL POSTER SESSION (15.30-17.30)

Inflammatory mechanisms in caco-2 cells stimulated with Anisakis-derived messengers of pathogenicity

Ilaria Bellini

Validation of a new molecular tool to study malaria transmission through the analysis of the Anopheles coluzzii mosquito

Giulia Bevivino

Epidemiology, risk factors and outcomes of infections caused by carbapenem-resistant gram-negative bacteria in paediatric population

Luigi Celani

New methods for measles diagnosis to use in natural infected and vaccinated individuals

Maedeh Kojouri

Monitoring mosquito vector populations in Djibouti city: evaluation of a new sampling method based on FTA-card

Sara Manzi

Endothelial cells activation in the pathogenesis of COVID-19 disease

Maria Claudia Miele

Investigating the impact of Schistosoma haematobium infection on immunity to Plasmodium falciparum malaria in sub-Saharan African populations

Mireille Ouedraogo

Development of in vitro lung cells to offer remarkable new model systems to study Merkel cell polyomavirus molecular biology and oncogenic mechanisms involved in malignancies other than Merkel cell carcinoma

Carla Prezioso

Characterization of the mucosa-associated microbiota and evaluation of its impact on TPH1 and SERT genes expression in CIPO patients

Giulia Radocchia

Molecular characterization and prevalence of protozoan and metazoan parasites infecting non-human primates in natural and captive conditions

Silvia Rondon

Infection prevalence and epidemiology in a cardiac surgery intensive care unit in Sudan

Ornella Spagnolello

Friday, July 16

9.00 Access to the platform

PRELIMINARY WELCOME

Stefano D'Amelio, Department of Public Health and Infectious Diseases, Sapienza University of Rome, Italy

SESSION II

Chairpersons: **Livia Besi, Marco Tofani, Erika Renzi, Felice Marco Damato, Nicola Di Fazio**

9.30 Lecture

Wearing my virtual body: behavioral, physiological and neural reactivities elicited by an embodied virtual avatar

Gaetano Tieri

9.45 Lecture

How the sense of body ownership shapes honesty: Evidence from behavioral, clinical and immersive virtual reality studies

Marina Scattolin

10.10 Lecture

Soft-drug abuse: a real well-being?

Stefania Schiavone

10.45 Lecture

The Missing Billion: Why health systems must include disabled people

Hannah Kuper

PHD CANDIDATES' COMMUNICATIONS (11.20-13.00)

Prevalence of musculoskeletal disorders in a large sample of Italian workers: occupational and health-related risk factors

Giovanna Adamo

Local policies for access to healthcare of migrants in Italy. Preliminary results from a subset of indicators monitoring regional implementation of national law

Valentina Pettinicchio

The quantitative relationship between Rorschach and WAIS-iv: pattern differences in IQ profiles

Felice Marco Damato

Review about application of law 24/2017 (Gelli) during the first four years since its entry in force and new application for pandemic COVID-19 from February 2020

Umberto De Gennaro

Multiple implications of post mortem computed tomography (PMCT) in the forensic approach to charred bodies

Massimiliano Dell'Aquila

From law to medical practice: application of law 219/2017 in real life

Vittorio Gatto

The effect of physical activity on mental health in patients with Alzheimer's disease

Shima Gholamalishahi

13.00 Break

PHD CANDIDATES' COMMUNICATIONS (14.00-15.30)

Use of hydrogen as a carrier gas and chemical ionizer for the determination of PCBs and PAHs in GC/NICI-MS

Ettore Guerriero

Sublethal effects on zebrafish embryos supporting human health protection

Ines Lacchetti

Anabolic Androgenic steroids (AAS) and organs damage study of Nandrolone toxicity on encephalus in an animal model

Angelo Montana

A national survey on global health education

Giulia Civitelli

Inhalation risk assessment to PM components of the sources contributions in polluted areas by high spatial resolution mapping

Eva Pietrantonio

Italy's preparedness for the Health Technology Assessment of genomic technologies

Erica Pitini

Microcystins: intestinal absorption and biotransformation study by reconstituted human tissues

Nicoletta Santori

Cytokine storm in COVID-19-related deaths: from SARS-CoV-2 RNA detection to immunohistochemical quantification of proinflammatory cytokines IL-1 β , IL-6, IL-15 and TNF- α

Alessandro Santurro

New synthetic opioids: development of analytical methods for their characterization and determination by means of (U)HPLC-HRMS/MS

Flaminia Vincenti

VIRTUAL POSTER SESSION (15.30-17.30)

Forensic application of monoclonal anti-human Glycophorin A antibody to establish vitality of the injuries

Benedetta Baldari

Violence against health workers: the impact on psychophysical well-being and working activity

Livia Besi

Survey on vaccine hesitancy and health literacy about vaccination among students' parents in a local health unit of Rome, Italy

Vito Cerabona

Telemedicine in cardiovascular area and chronic patient support. A new personalized medicine

Marta Chiappetta

Enhance primary care through family and community health nurses. Preliminary results of a systematic review

Angelo Cianciulli

COVID-19 health emergency and e-Learning: results from the health professional preparedness and response course of the Istituto Superiore di Sanità

Alessandra Di Pucchio

The experience of the SARS-CoV2 infection in the schools placed in the ASL Roma 3 territory

Arianna Di Rocco

Elevate to alleviate - evidence based nursing study

Nicola Ielapi

Use of big data in public health, a systematic review

Giuseppe Migliara

The relationship between poor sleep quality and depressive symptoms among nurses working night shifts

Chidiebere Emmanuel Okechukwu

The use of dermal filler in aesthetic medicine: issues concerning their use, legal aspects and need of information to share in the current pandemic period

Maria Giuseppina Onesti

Ambulance sanitification: a hygienic, legal and occupational medical challenge

Francesco Rosiello

The importance of being earnest: the role of autopsy in preventing litigation related to the management of liver and digestive disorders

Matteo Scopetti

Migrants people with disability in Europe: policies and challenges

Marco Tofani



Analysis of claims to predict loss eventuality for health facilities concerning future litigations
Rocco Valerio Viola

KEYNOTE SPEAKERS and CHAIRPERSONS

Claudio Bandi - Department of Biosciences, University of Milan, Italy

Ilaria Bellini - Department of Public Health and Infectious Diseases, Sapienza University of Rome, Italy

Ilaria Bernardini - Department of Public Health and Infectious Diseases, Sapienza University of Rome;
Department of Infectious Diseases, Italian National Institute of Health, Rome, Italy

Livia Besi - Department of Anatomical, Histological, Locomotor and Legal Medicine Sciences, Sapienza University of Rome, Rome, Italy

Guido Caldarelli - Department of Molecular Sciences and Nanosystems, University Ca' Foscari, Venice, Italy

Felice Marco Damato - Department of Anatomical, Histological, Locomotor and Legal Medicine Sciences, Sapienza University of Rome, Rome, Italy

Nicola Di Fazio - Department of Anatomical, Histological, Locomotor and Legal Medicine Sciences, Sapienza University of Rome, Rome, Italy

Arianna Di Rocco - Department of Public Health and Infectious Diseases, Sapienza University of Rome, Rome, Italy

Hannah Kuper - International Centre for Evidence in Disability, London School of Hygiene & Tropical Medicine, UK

Valentina Perri - Department of Public Health and Infectious Diseases, Sapienza University of Rome, Italy

Erika Renzi - Department of Public Health and Infectious Diseases, Sapienza University of Rome, Rome, Italy

Marina Scattolin - Department of Psychology, Sapienza University of Rome, Italy

Stefania Schiavone - Department of Clinical and Experimental Medicine, University of Foggia, Italy

Gaetano Tieri - Virtual Reality Lab, Unitelma Sapienza, Rome; IRCCS Santa Lucia Foundation, Rome, Italy

Marco Tofani - Department of Public Health and Infectious Diseases, Sapienza University of Rome, Italy

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GENERAL INFORMATION

Venue

The Seminar will take place on Zoom online platform, at the link available on the PhD Seminars' web page :
<https://phd.uniroma1.it/web/seminari.aspx?i=3517&l=IT>

Target audience

The Seminar is addressed to National Health Service, University and Research personnel and to PhD students of the School of Molecular Biology and Medicine.

Registration

Participation is free of charge. Registration is not required.
A maximum of 500 participants will be admitted.

Satisfaction questionnaire

Participants will be kindly requested to fill an online satisfaction questionnaire, available, at the end of the Seminar, on the PhD Seminars' web page.

Attendance certificate

Participants willing an attendance certificate are kindly requested to apply for it to the Organizing Staff. Certifications will be provided to those who will be proved to have been logged on the platform for at least 75% of the entire duration of the Seminar.

For any further information, please contact either the Scientific Staff or the Organizing Staff