

26 September 2022 - Topic 1: Evidence Synthesis and Causal Inference in Epidemiology

Moderator: **Annibale Biggeri** - Professor of Medical Statistics - University of Padova, IT
 Speakers: **Francesco Forastiere**, Imperial College London, UK and CNR, IT
Neil Pearce, LSHTM, UK
Alessandra Mattei, University of Firenze, IT
Fabrizia Mealli, University of Firenze, IT

27 September 2022 - Topic 2: Biomarkers and Genetic Epidemiology

Moderator: **Cristina Canova** - Professor of Medical Statistics - University of Padova, IT
 Topic Introduction: **Luca Vedovelli** - Post-Doc Fellow in Biostatistics, University of Padova, IT
 Speakers: **Paul Brennan**, IARC, FR
Cristian Pattaro, EURAC Research, IT
Gianluca Severi, University of Firenze, IT
Frank B Hu, Harvard University, USA

28 September 2022 - Topic 3: Citizen Science

Moderator: **Matteo Martinato** - Post-Doc Fellow in Medical Statistics - University of Firenze, IT
 Speakers: **Cinzia Colombo**, Istituto Mario Negri, IT
Antonella Ficorilli, Sapienza University of Roma, IT
Florence Gignac, ISGlobal, SP
Frederique Floering, Utrecht University, NL

29 September 2022 - Topic 4: Geographical Epidemiology

Moderator: **Dolores Catelan** - Professor of Medical Statistics - University of Padova, IT
 Speakers: **Peter Diggle**, Lancaster University, UK
Renato Assunção, Universidade Federal de Minas Gerais, Belo Horizonte, BR
Giovenale Moirano, University of Torino, IT
Konstantinoudis Garyfallos, Imperial College London, UK

30 September 2022 - Topic 5: Environmental epidemiology

Moderator: **Francesco Sera** - Research Associate in Medical Statistics - University of Firenze, IT
 Speakers: **Chava Peretz**, Tel Aviv University, IL
Antonio Gasparini, LSHTM, UK
Silvia Maritano, University of Torino, IT

PhD course Translational Specialist Medicine 'G.B. Morgagni'

SUMMER SCHOOL
26-30 SEPTEMBER 2022
 02:00-05:20 PM C.E.S.T. TIME
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"SHAPING A WORLD-CLASS UNIVERSITY - BIOSTATISTICS AND EPIDEMIOLOGICAL METHODS"

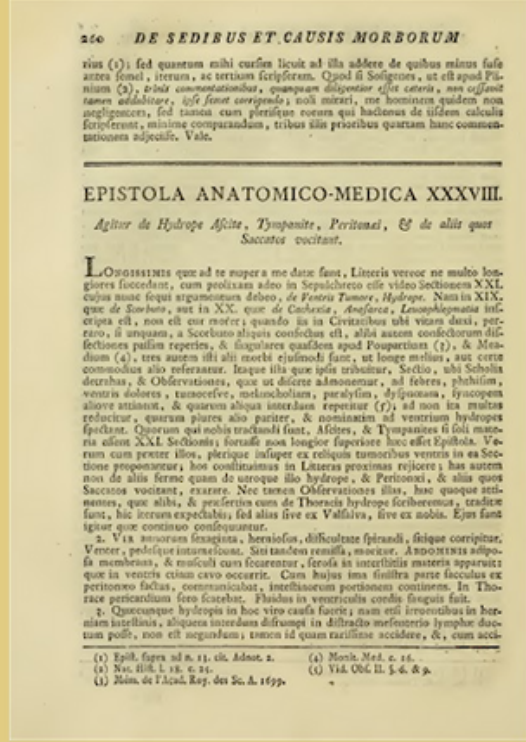
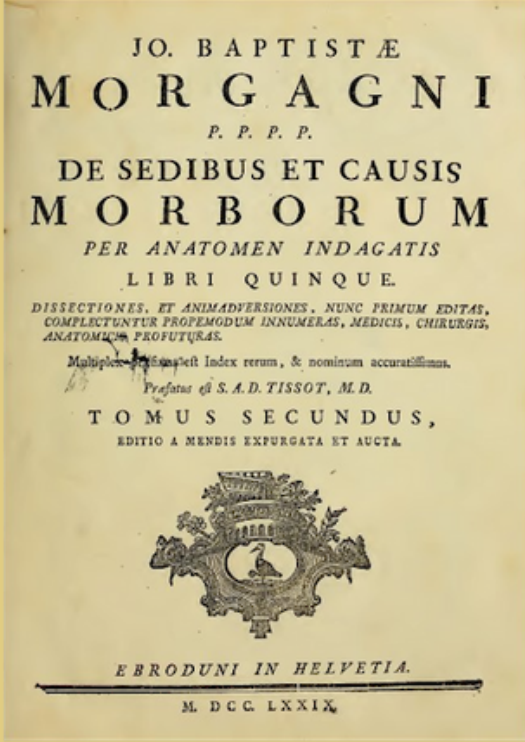


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UNIVERSITÀ DEGLI STUDI DI PADOVA





26 September 2022

Topic 1: Evidence Synthesis and Causal Inference in Epidemiology

Moderator: *Annibale Biggeri*, Professor of Medical Statistics – University of Padova – IT

02:00–02:20 pm **Topic Introduction**

02:20–03:00 pm
Evidence Synthesis in Epidemiology
Francesco Forastiere, Imperial College London – UK,
 CNR Consiglio Nazionale delle Ricerche – IT

03:00–03:40 pm
Causal Inference in Epidemiology
Neil Pearce, LSHTM London School of Hygiene & Tropical Medicine – UK

03:40–04:20 pm
Causal Inference I
Alessandra Mattei, University of Firenze – IT

04:20–05:00 pm
Causal Inference II
Fabrizia Mealli, University of Firenze – IT

05:00–05:20 pm **Floor discussion**

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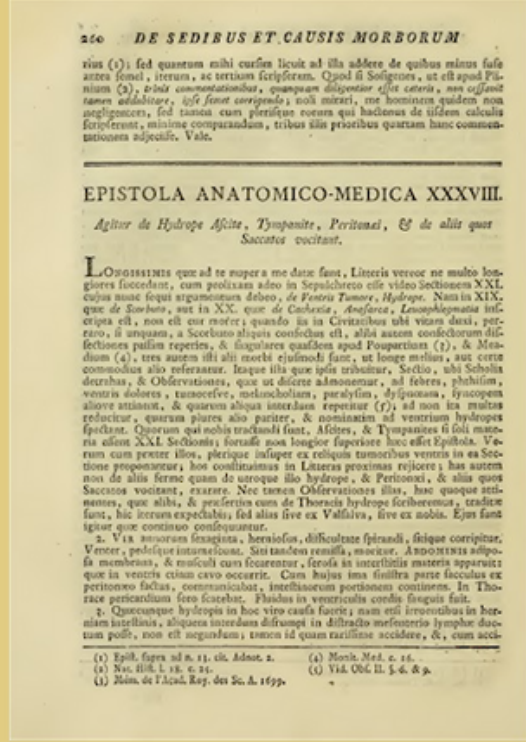
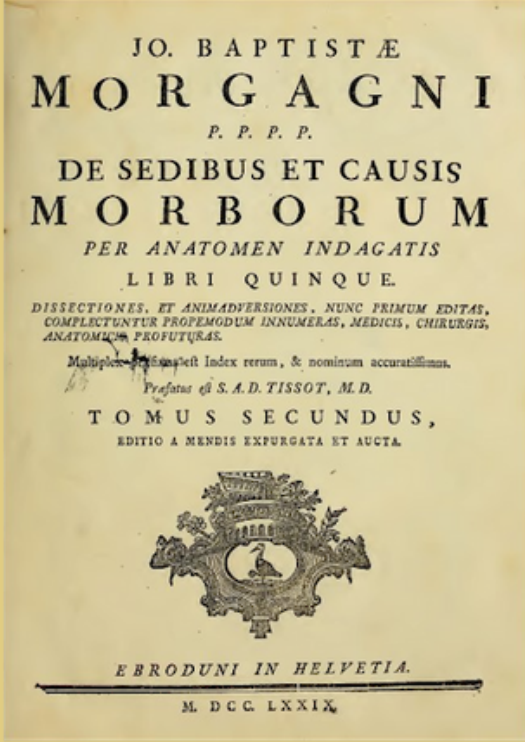


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27 September 2022
Topic 2: Biomarkers and Genetic Epidemiology

Moderator: *Cristina Canova*, Professor of Medical Statistics - University of Padova - IT

02:00-02:20 pm
Topic Introduction
Luca Vedovelli, Post-Doc Fellow in Biostatistics - University of Padova - IT

02:20-03:00 pm
Using Genomics to Understand Novel Causes of Cancer
Paul Brennan, IARC International Agency for Research on Cancer - FR

03:00-03:40 pm
Increasing the Clinical Relevance of Observational, Population based Studies using Genomics
Cristian Pattaro, EURAC Research - IT

03:40-04:20 pm
Dna Methylation in Epidemiological Research
Gianluca Severi, University of Firenze - IT

04:20-05:00 pm
Metabolomics in Nutritional Epidemiology
Frank B Hu, Harvard University - USA

05:00-05:20 pm **Floor discussion**

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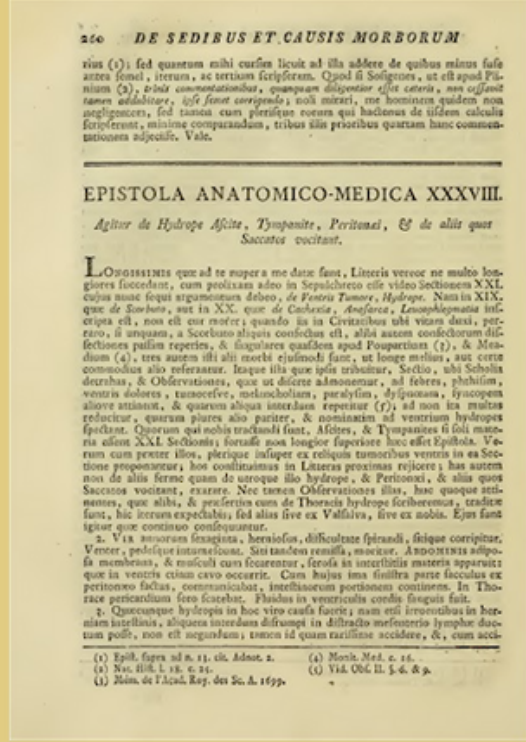
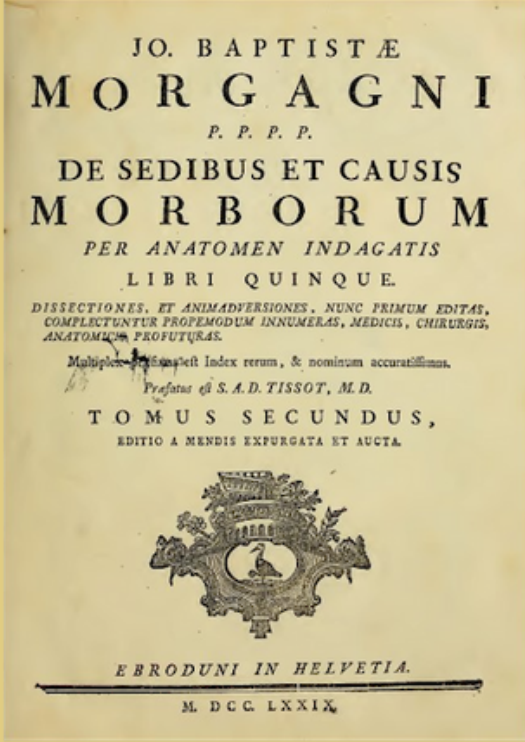


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28 September 2022
Topic 3: Citizen Science

Moderator: *Matteo Martinato, Post-Doc Fellow in Medical Statistics - University of Firenze - IT*

02:00-02:20 pm **Topic Introduction**

02:20-03:00 pm
Citizen Science and Clinical Research
Cinzia Colombo, Istituto Mario Negri - IT

03:00-03:40 pm
Ethical aspects in Citizen Science and Environmental Epidemiology
Antonella Ficorilli, Sapienza University of Roma - IT

03:40-04:20 pm
Barcelona Citizen Science on NO2 and Cognitive Disorders
Florence Gignac, ISGlobal Barcelona Institute for Global Health - SP

04:20-05:00 pm
A Citizen Science Study on Wood Burning
Frederique Floering, Utrecht University - NL

05:00-05:20pm **Floor discussion**

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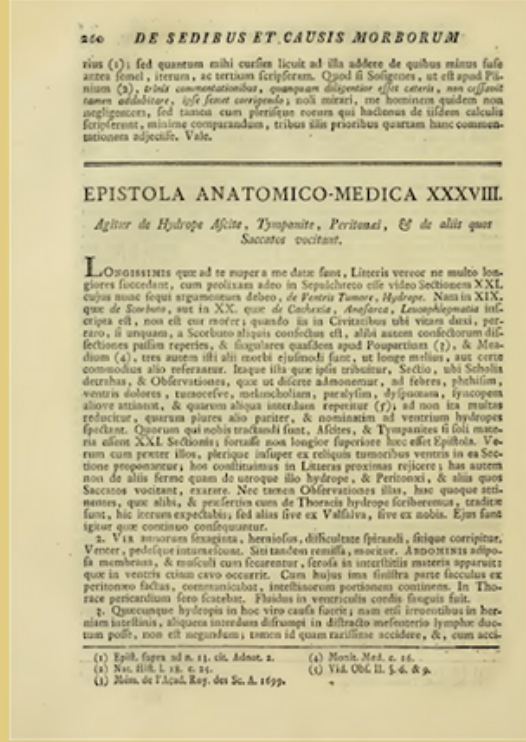
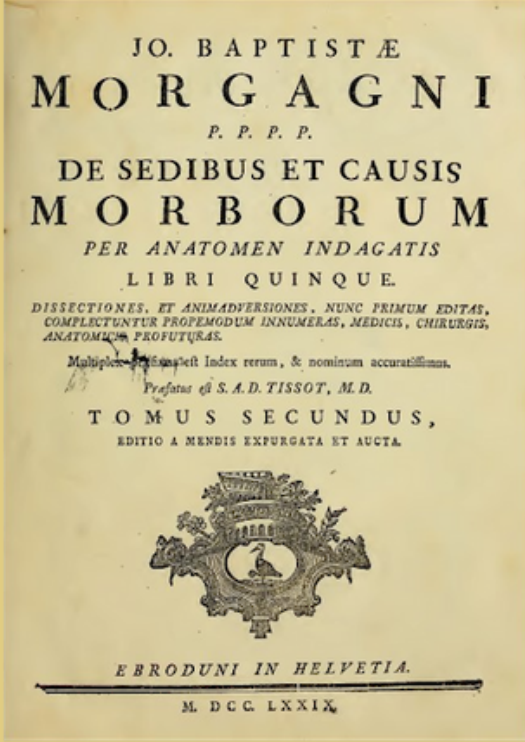


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29 September 2022
Topic 4: Geographical Epidemiology

Moderator: *Dolores Catelan*, Professor of Medical Statistics – University of Padova – IT

02:00–02:20 pm **Topic Introduction**

02:20–03:00 pm
Model-based Geostatistical Methods for Global Population Health Research: Design and Analysis of Prevalence Surveys
Peter Diggle, Lancaster University – UK

03:00–03:40 pm
Cluster and Cluster detection
Renato Assunção, University of Federal de Minas Gerais, Belo Horizonte – BR

03:40–04:20 pm
Mapping Human Visceral Leishmaniasis, Canine Leishmaniasis and P. perniciosus in Piedmont
Giovenale Moirano, University of Torino – IT

04:20–05:00 pm
Spatiotemporal models in Environmental Epidemiology
Konstantinoudis Garyfallos, Imperial College London – UK

05:00–05:20 pm **Floor discussion**

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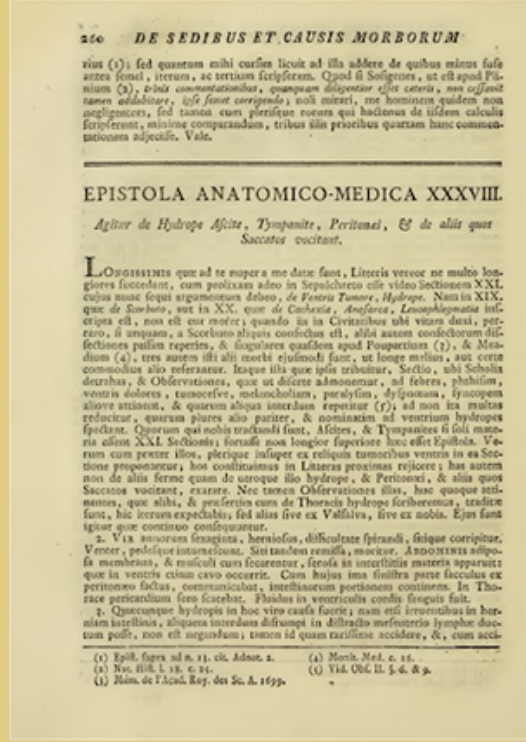
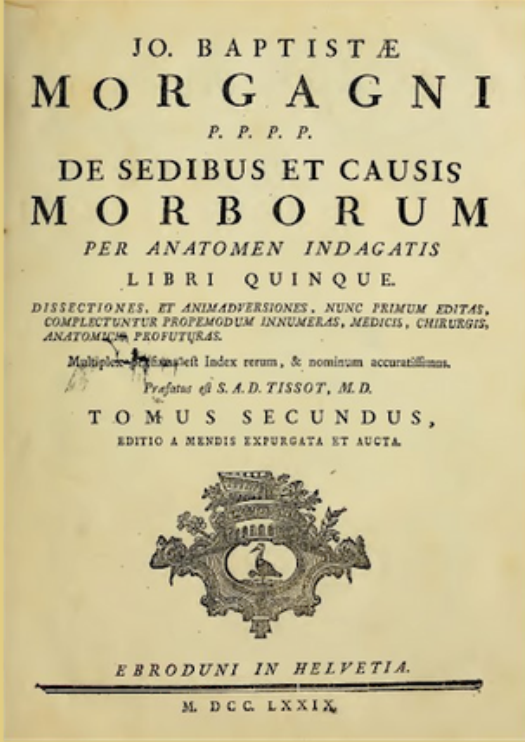


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30 September 2022
Topic 5: Environmental Epidemiology

Moderator: *Francesco Sera, Research Associate in Medical Statistics – University of Firenze – IT*

02:00–02:20 pm **Topic Introduction**

02:20–03:00 pm
Climate Change and Environmental Epidemiology
Chava Peretz, Tel Aviv University – IL

03:00–04:00 pm
Novel time series methods in epidemiology and public health
Antonio Gasparini, LSHTM London School of Hygiene & Tropical Medicine – UK

04:00–05:00 pm
Health co-benefits of low environmental impact diet
Silvia Maritano, University of Torino – IT

05:00–05:20 pm **Floor discussion**

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