# Program

## Essentials of Large Databases Lectures

**Day 1: Monday October 22nd (13:00 – 18:30)**
- Overview of Databases
- Diagnostic and Procedure Coding
- Comorbidities and Risk Scores
- Data Linkages

**Keynote Address and Welcome Reception: Monday October 22nd (19:00 – 20:00)**

More Data more Health – The role of Large Databases in Research and Development – S, Vella

## Learning Modules

**Day 2: Tuesday October 23rd (9:00 – 17:00)**
- Harmonization of Variables
- Misclassification and Bias
- Geospatial Data
- Comparison of US and EU Healthcare Databases

**Day 3: Wednesday October 24th (8:30 – 18:30)**

- **Module I – Databases for Aging Research** (8:30 – 13:00)
- **Module II – Cancer Registries** (14:00 – 18:30)

**Day 4: Thursday October 25th (8:30 – 18:30)**

- **Module III – Use of Healthcare Databases for Precision Medicine** (8:30 – 13:00)
- **Module IV – Use of Large Databases for Pharmaceutical Research** (14:00 – 18:30)

## Course Location

IRCCS San Raffaele Pisana
Via di Val Cannuta, 247, 00166 Roma RM, Italy

## Payment Options

<table>
<thead>
<tr>
<th>Option Description</th>
<th>Before September 1st</th>
<th>After September 1st</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 1 (Essentials Lectures)</td>
<td>€750</td>
<td>€1250</td>
</tr>
<tr>
<td>Option 2 (Essentials+ 1 Module)</td>
<td>€1000</td>
<td>€1500</td>
</tr>
<tr>
<td>Option 3 (Essentials + All Modules)</td>
<td>€1250</td>
<td>€1750</td>
</tr>
<tr>
<td>Option 4 (2 Modules Only)</td>
<td>€500</td>
<td>€500</td>
</tr>
</tbody>
</table>

# Tackling Complexity in Medicine and Public Health Using Large Databases

The Institute for Translational Epidemiology at Mount Sinai in New York City and IRCCS San Raffaele Pisana Roma are excited to present a crash course on the use of big data for clinical and research applications!

- **When:** October 22nd – October 25th 2018
- **Where:** IRCCS San Raffaele Pisana; Via di Val Cannuta, 247; 00166 Rome.
- **Format:** Interactive Core Lectures, Individual Learning Modules, Hands-on Exercises.
- **Target Audience:** Researchers, Clinicians, and Government, Healthcare and Industry leaders.

[Register Now!](http://j.mp/2JC9MEo)
Who we are:
• The Mount Sinai Institute for Translational Epidemiology (ITE) is committed to interdisciplinary, collaborative, and translational research integrating population studies, genomic and proteomic research, with the ultimate purpose of spearheading critical changes in clinical practice and improving the treatment of disease and patient quality of life.

Course Rationale:
• Medicine is becoming increasingly intertwined with the use of big data for research, clinical care and policy making.
• A partnership with the Istituto di Ricovero e Cura a Carattere Scientifico (IRCCS) San Raffaele Pisana provides the expertise to obtain, understand, and utilize large datasets.
• This course provides the essentials of utilizing large databases for research and clinical applications, as well as focused modules on particularly relevant databases.

Visit us Online!
@Sinai_ITE
@Unisanraffaele
https://www.sinai-ite.com/international/
http://www.unisanraffaele.gov.it/come-raggiungerci
www.icahn.mssm.edu/research/epidemiology

Contact ITE
Institute for Translational Epidemiology
1 Gustave L. Levy Place, Box 1133
New York, NY, 10029
Sinai.ITE.info@gmail.com

Faculty

Emanuela Taioli, MD, PhD, Director of the Institute for Translational Epidemiology; Icahn School of Medicine at Mount Sinai, New York.

Stefano Bonassi, PhD, Professor, Hygiene and Preventive Medicine, San Raffaele University; Head, Unit of Clinical and Molecular Epidemiology, IRCCS San Raffaele Pisana, Rome.

Stefano Vella, MD, Chair, Agenzia Italiana del Farmaco, Rome. Keynote Speaker.

Natalia Egorova, PhD, Associate Professor, Population Health Science and Policy, Icahn School of Medicine at Mount Sinai, New York.

Cesare Furlanello, Senior Researcher, Fondazione Bruno Kessler, Head of Data Science, MPBA Project, Trento.

Bian Liu, PhD, Assistant Professor, Population Health Science and Policy, Icahn School of Medicine at Mount Sinai, New York.

Alessandra Marengoni, MD, PhD, Associate Professor, Clinical and Experimental Science, University of Brescia, Brescia.

Eva Negri, ScD, Department of Biomedical and Clinical Sciences, University of Milan, Milan.

Graziano Onder, MD, PhD, Assistant Professor, Department of Geriatrics, Università Cattolica del Sacro Cuore, Rome.

Katherine Ornstein, PhD, MPH, Assistant Professor, Geriatrics and Palliative Medicine, Icahn School of Medicine at Mount Sinai, New York.

Josep Roca, MD, Professor of Medicine, University of Barcelona, Senior consultant, Hospital Clínic de Barcelona.

Carlo Tomino Pharm.D, Professor of Pharmacology, University of San Raffaele, Rome.

Gianluca Trifirò, MD, PhD, Associate Professor of Pharmacoepidemiology and Clinical Pharmacologist, University of Messina, Messina.

Qualitative Methods

Don’t miss our One Day Short Course: Introduction to Qualitative Research Methods!

• When: October 26th 2018
• Where: IRCCS San Raffaele Pisana; Via di Val Cannuta, 247; 00166 Rome
• Format: Lectures and Interactive Exercises

Participants will learn the theoretical foundation and practical skills necessary to apply qualitative methods for population health research.

Register Now! http://j.mp/2L3Qfxu
Registration: $1000; Pricing options available with Modules from Tackling Complexity in Medicine and Public Health Using Large Databases

Faculty

Rebecca Schwartz, PhD, Associate Professor, Population Health Science and Policy, Icahn School of Medicine at Mount Sinai, New York.

Ksenia Gorbenko, PhD, Assistant Professor, Population Health Science and Policy, Icahn School of Medicine at Mount Sinai, New York.

Nihal E. Mohamed, PhD, Assistant Professor, Urology and Oncological Science, Icahn School of Medicine at Mount Sinai, New York.