

Application Form

Title	Name	Surname
<input type="text"/>	<input type="text"/>	<input type="text"/>
Affiliation		
<input type="text"/>		
Birthplace	Birthdate	
<input type="text"/>	<input type="text"/>	
E-Mail		
<input type="text"/>		
Student's ID If UniPv student		
<input type="text"/>		
Invoicing Information		
<input type="radio"/> Italian Institution	<input type="radio"/> Foreign Institution	
<input type="radio"/> Italian Student	<input type="radio"/> Foreign Student	
Full Name or Institution Name		
<input type="text"/>		
Fiscal code	VAT number	
<input type="text"/>	<input type="text"/>	
Codice Unico Ufficio (iPA) code		
<input type="text"/>		
Address		
<input type="text"/>		
City	Prov.	ZIP
<input type="text"/>	<input type="text"/>	<input type="text"/>
Phone		
<input type="text"/>		
E-mail		
<input type="text"/>		

Registration

To register to the summer school, fill out this form and E-Mail it to cht@unipv.it

NOTE: registration will be final only AFTER a copy of the receipt of the bank transfer has been sent to cht@unipv.it.

Applications will be considered in order of arrival and spaces are limited, so please send your application as soon as possible.

Registration fee:

Payment method: the registration fee must be paid via bank transfer, detailed information will be provided in the confirmation e-mail.

Before July 31th: 150€

After July 31th: 250€

On site (subject to availability - only cash accepted): 250€

The registration fee includes:

- Course tuition
- Course attendance certificate
- Course materials (downloadable for 30 days after the course)
- Free admission to the 4th European I2Bz meeting

Venue and Secretariat

The activities will take place at the Polo Universitario Cravino,
Via Adolfo Ferrata, 3 - Pavia

<https://goo.gl/maps/TbEHBEdmTBz>

You can reach the CHT staff by

Phone: +39 0382 985981

E-Mail: cht@unipv.it

FaceBook: <http://fb.me/chtunipv>

Twitter: @chtunipv



Summer School

Big Data For Precision Medicine

From - 12 September 2016
To - 15 September 2016

Endorsed BY:



Program

Half-DAY 1 and 2

PRECISION MEDICINE AND BIG DATA: THE –OMICS CHALLENGE

September 12 – 2.30pm – 3.30pm

G. Merlini – (*Univ. of Pavia*)
"Precision medicine: a big data problem"

September 12 – 3.30pm – 6.30pm

S. Bicciato – (*Univ. of Modena e Reggio Emilia*)
"Methods and tools to deal with big data and knowledge integration in cancer"

September 13 – 9am – 1pm

L. Frey – (*Medical University of South Carolina*)
"Big data architectures to support '-omics' data management"

Half-DAY 3 and 4

HUMAN-ENVIRONMENT INTERACTION ASSESSMENT

September 13 – 2.30pm – 4.30pm

I. Keramitsoglou – (*National Observatory of Athens*)
"Inferring interplay between satellite meteorological data and human health"

September 13 – 4.30pm – 6.30pm

F. Del Frate – (*Univ. Roma Tor Vergata*)
"Extracting information on exposure from remotely sensed data"

September 14 – 9am – 11am

A. Marinoni, (*Univ. of Pavia, Italy*)
"Efficient Earth observation Big Data processing"

September 14 – 11am – 1pm

G. C. Iannelli (*Univ. of Pavia, Italy*)
"Introduction to QGIS and RS data processing tools – hands on session"

Half-DAY 5 and 6

DATA INTEGRATION AND DECISION SUPPORT

September 14 – 2.30pm – 4.30pm

S. Murphy (*Harvard Medical School*)
"Integrating –omics and clinical data to support clinical research and knowledge discovery"

September 14 – 4.30pm – 6.30pm

A. Mira (*InterDisciplinary Institute of Data Science, Univ. of Lugano, Swiss*)
"Novel statistical methods for biological networks inference"

September 15 – 9am – 11am

M. Monti (*IBM Italy*)
"The Watson platform for big data analysis in health care"

September 15 – 11am – 1pm

M. Monti (*IBM Italy*)
"Big data analytics solutions"

Bonus Event - without any further fee.

September 15 – 2.30 pm September 16 – 1.00 pm

"IV European i2b2 meeting"

Intro

The School is organized in collaboration with University of Pavia's Big Data Initiative,

During this School PhD students will be trained on novel methodological and technological approaches that enable the analysis and integration of a high variety and large volumes of data.

Genomics and environmental data will be given particular attention, and also the benefits of Big Data Analytics for precision medicine and clinical decision-making.

Gathered in a friendly and interactive atmosphere, the students will attend theoretical and practical sessions.

The school will develop along six half-days starting on Monday September 12 at 2.30 pm to Thursday September 15 at 12.30 pm.

The students will be allowed to attend the "IV European i2b2 meeting" at Collegio Borromeo (Sep 15 2.30 pm – Sep 16 5.00pm) without any further fee.

Scientific Organization

Riccardo Bellazzi, Lucia Sacchi – *CHT; Laboratory for Biomedical Informatics "Mario Stefanelli", Electrical, Computer and Biomedical Engineering Department, University of Pavia;*

Paolo Gamba – *CHT; Telecommunications & Remote Sensing Laboratory, Electrical, Computer and Biomedical Engineering Department, University of Pavia;*

Andrea Marinoni – *Telecommunications & Remote Sensing Laboratory, Electrical, Computer and Biomedical Engineering Department, University of Pavia;*