

Data integration

Muriel Bonnet

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MANNA SUMMER SCHOOL IN OMICS

22-24 JULY, 2019



MANNA consortium for MANNA PhD students

OPEN TO

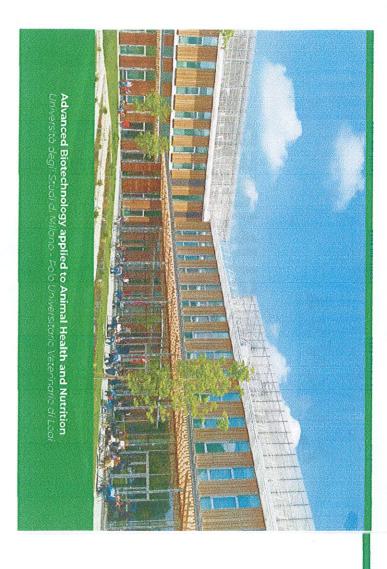
Master students, PhD and Post Docs working in the area of animal and veterinary sciences

VENUE

Campus of the University of Milan in Lodi

Advanced Biotechnology applied to Animal Health and Nutrition

The MANNA Summer School In OMICS will provide insights into OMICS applied to animal nutrition.



TOMOS ME SCHOOL

he MANNA Summer School in OMICS will provide insights into OMICS applied to animal nutrition. The course targets mainly MANNA students, aiming to train them for activities scheduled for the second year of their PhD program, but also to master students of the second year of

biotechnological or veterinary/animal science related disciplines, as well as other PhD students and Post Docs from Universities, Research Institutes and Industries who aim to widen their horizons in OMICS.



TROCKA &

July 22nd, 2019

Transcriptomics

hr. 9.30

..... Registration: Room L114



3

Transcriptomics

Basic principles and application for long and small RNA sequence

determination and analysis.

Bionea Castiglioni, Institute of Agricultural Biology and Biotechnology - National Research Council (IBBA-CNR)

• • • • • • • • hr. 12.00 Joint Lunch • •



hr. 14.00

Case studies

A list of published studies, with example of experimental designs, focused on Transcriptomics applied to veterinary and animal sciences.

Paola Cremonesi, Institute of Agricultural Biology and Biotechnology - National Research Council (IBBA-CNR)



hr. 15.30

Transcriptomics analysis applied to microRNA

Case studies

Pabrizio Ceciliani, Department of Veterinary Medicine, Università degli Studi di Milano



UNOGRAY

July 23rd, 2019

Proteomics and Metabolomics



hr. 9.00

Proteomic techniques

Basic approaches and potential applications in veterinary and animal sciences.

Maria Filippa Addis, Department of Veterinary Medicine. Università degli Studi di Milano, Italy



hr. 10.30

Data integration

in proteomic and biomarker discovery pipelines: a case study using the ProteiNSIDE webservice.

Muriel Bonnet INRA - VecAgro Sup, UMR 1213 UMRH Unité Mixte de Recherche sur les Herbivores. Centre de Recherche Auvergne-

• • • • • • • • • • • • • • • hr. 12.00 Joint Lunch •

Rhone-Alpes, Saint-Genes-Champanelle, France



hr. 14.00

Metabolomic approach

in cell and animal models of metabolic diseases?

Donatella Carusa, Department of Pharmacological ona Biomolecular Sciences Università degli Studi di Milana, Italy



hr. 15.30

Lipidomic techniques and case studies

Example of experimental designs focused on lipidomics applied to veterinary and animal sciences. Laurence Bernord, INRA - VetAgro Sup, UMR 1713 UMRH Unité

Lourence Bernard, INRA - VetAgro Sup, UMR 1213 UMRH Unité Mixte de Recherche sur les Herbivares, Centre de Recherche Auvergne-Rhône-Alpes, Saint-Ceneo-Champanelle, France

• • • • • • • • • • • • • • • hr. 19.00 Joint Dinner• •



TROGRAN

July 24th, 2019

Microbiomics and bioinformatics



hr. 9.00

Bacterial Metagenomics

Armand Sanchez Bonastre, Department of Animal and Food Science, Universitat Autonoma de Barcelona, Spain



hr. 10.30

Metaproteomics: what is it and what can we learn from it?

Maria Filippa Addis, Department of Veterinary Medicine, Università degli Studi di Milano, Italy

• • • • • • • • • • • • • • • • hr. 12.00 Joint Lunch • •



hr. i

How do we make community ecology relevant to commercial microbiome questions?

Mike Salter, Ab Agri Ltd, Unibed Kingdom



hr. 15.30

The bioinformatics pipeline

for microblome analysis from raw DNA sequencing data.

Carlotta Catozzi, Department of Veterinary Medicine, Università degli Studi di Milano, Italy

• • • • • • • • • • • • • • • • hr. 19.00 Joint Dinner• •



AND HOW TO APPLY MPORTANT INTORNATION

(for those not supported by MANNA)

Monday
 22 July 2019

Venue

Università degli Studi di Milano Polo Universitario Veterinario di Lodi - Via Università, 6 home/department/locations



24 July 2019 Wednesday

Application May 1st, 2019

Application May 31s, 2019

purpose of sending them an invoice for the cost of the Summer school subsistence in the email their conformity for their details to be stored by the university of Glasgow for the need to send their details (Name, Address, Phone number and e-mail address). And to include should send an updated CV to phd4manna@glasgow.ac.uk, and a short motivation letter Participation: Open application for up to 19 positions not associated with MANNA. Such explaining how the participation to the course would benefit their scientific career. Applicants spectrometry based omics related to animal, veterinary and nutritional science. Applicants soon to commence research involving next generation sequencing technology and mass applicants should be Post Doc. PhD students or masters students actively engaged in or

- < Costs for non-MANNA participants: 80€ that include lunches and dinners for the glasgow.ac.uk). Participation in the course is free. three days of the school, to be paid to the university of Glasgow (please contact phd4manna@
- < Language: The course will be in English
- **Lodging:** Please see suggestions at the webbage & http://www.phd4manna.eu/
- How to reach the campus:

Dhttps://dottorati.unimi.it/vas/en/informations/how-to-reach-us/

Contacts: for every question please write to phd4manna@glasgowac.uk or to chiara

Manna participants:

























FOR FARM ANIMAL BIOLOGY Life Diagnovias, he.













www.phd4manna.eu

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