

# EU-LI-PHE 1st Annual Meeting

Organised by the *Animal and Food Genomics Group of the University of Bologna*  
& *Fondazione Alma Mater*



11 - 12 June  
2024



Bologna, Italy

## PROGRAMME

### DAY 1, 11th June 2024

#### 08.00-09.00 Registration

#### 09.00-09.15 Welcome and Introduction

- Rosalba Lanciotti - Director of the Department of Agricultural and Food Sciences, University of Bologna
- Luca Fontanesi - Rector's Delegate for Competitive Research Projects of the University of Bologna, Chair of EU-LI-PHE
- Tomas Norton - Vice-Chair of EU-LI-PHE

#### 09.15-10.30 Scientific Session I: Invited Presentations

##### *Chairpersons: Michael Toscano & Emily Clark*

- Synergistic optimisation: utilising genomic insights to enhance strategies for joint selective (deep) phenotyping and recursive creation of genomic reference populations - Nicolas Gengler (University of Liege)
- Multi-omics (phenomics) of the bovine host response to Mycobacterium bovis infection and tuberculosis disease - David MacHugh (University College Dublin)
- Poultry diseases in relation to behaviour - Jens Peter Christensen (University of Copenhagen)
- Non-invasive exhalomics for assessing rumen fermentation in dairy cows - Mutian Niu (ETH Zurich)
- Underwater Wireless Sensor Networks: Estimation of acoustic channel in shallow water - Elma Zanaj (Polytechnic University of Tirana)

#### 10.30-11.00 Coffee Break & EU-LI-PHE Poster Session

#### 11.00-13.00 Scientific Session II: Invited Presentations from Young Researchers and Innovators(YRI) (Chairpersons: H el ene Soyeurt & Adna A si c)

- Measuring resilience through phenotypic deviation in livestock - Enrico Mancin (University of Padova)
- Combining high throughput phenotypes to study complex traits: a case-study of negative energy balance using milk mid-infrared based predictions - S ebastien Franceschini (University of Liege)



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**DAY 1, 11th June 2024**

## **11.00-13.00 Scientific Session II: Invited Presentations from Young Researchers and Innovators(YRI) (Chairpersons: H el ene Soyeurt & Adna A sic)**

- Application of machine learning and deep learning techniques in cattle activity monitoring - Dejan Pavlovic (University of Novi Sad)
- Dissecting the genomic architecture of susceptibility to Mycobacterium bovis infection using integrative genomics and a composite phenotype - John O'Grady (University College Dublin)
- Genetics of new phenotypes of pregnancy loss in dairy cattle - Patricia Ask-Gullstrand (Swedish University of Agricultural Sciences)
- A new era in molecular phenotypes: high throughput metabolomics to dissect the pig metabolism - Samuele Bovo (University of Bologna)
- Influence of gut microbiota on meat quality traits in Iberian pig strains: Project IBERgut - Cristina Casto Rebollo (Universitat Polit cnica de Val ncia)
- Digital phenotyping of pigs: transferable and scalable computer vision approaches -Dong Liu (KU Leuven)
- Where genetics meets phenomics: Automated activity analysis of finishing pigs - Carmen Winters (ETH Zurich) & Win Gorssen (KU Leuven)
- Behavior as a novel addition to the phenome: A GWAS study to identify novel genomic regions linked for hen behavior in a commercial aviary - Kyle Hoeksema (University of Bern)

## **13.00-14.00 Light Buffet Lunch\* & EU-LI-PHE Poster Session**

## **14.00-16.00 Working Group Parallel Activities (Session I)**

WG1 in Aula Magna; WG2 in Aula Guarnieri; WG3 in Aula n. 3; WG4 in Aula n. 4; WG5 in Aula n. 5

## **16.00-16.30 Coffee Break & EU-LI-PHE Poster Session**

## **16.30-18.00 Working Group Parallel Activities (Session II):**

WG1 in Aula Magna; WG2 in Aula Guarnieri; WG3 in Aula n. 3; WG4 in Aula n. 4; WG5 in Aula n.5

## **18.00-18.30 Working Groups Combined Session**

Aula Magna: Stakeholder engagement and communication strategies

## **18.30-18.40 Wrap up & End of Day 1**

**20.00-23.30 - Dinner Together\* at Il Caff  della Corte  
(Bus transfer to Bologna city centre)\*\***



# EU-LI-PHE 1st Annual Meeting PROGRAMME

**DAY 2 , 12th June 2024**

**08.30-10.00 Management Committee Meeting**

**10.00-11.00 Report of the Working Group Activities, Road Map to the End of the First Year & Awards for the Best YRI Presentations**

**11.00-11.30 Coffee Break & EU-LI-PHE Poster Session**

**11.30-12.50 Networking and Scientific Session | Chairpersons: Luca Fontanesi & Tomas Norton)**

- FABRE-TP and EFFAB initiatives - Ana Granados & Geena Cartick (EFFAB)
- The AG2PI program in the US - Chris Tuggle (Iowa State University)
- FAO initiatives on livestock phenomics - Paul Boettcher (FAO)
- Opportunities and challenges of high throughput phenotyping in aquaculture - Pierrick Haffray (SYSAAF)
- Phenotyping in insects: overview on the Insect-IMP COST Action - Jana Obsteter (Agricultural Institute of Slovenia - KIS)
- The Digi4Live project - Matti Pastell (LUKE)

**12.50-13.00 - Wrap-up and Closure of the First EU-LI-PHE Annual Meeting**

**13.00-14.00 - Light Buffet Lunch\* & EU-LI-PHE Poster Session**

## **EFFAB/FABRE-TP Annual General Meeting**

**• 12 June 2024 | 14.00-18.40**

Aula Magna - Open sessions can be attended by EU-LI-PHE members

**• 13 June 2024 | 8.30-13.30**

Aula Magna - Open sessions can be attended by EU-LI-PHE members

***Please contact Geena Cartick ([geena.cartick@effab.info](mailto:geena.cartick@effab.info)) for registration and information***





# EU-LI-PHE 1st Annual Meeting PROGRAMME

## IMPORTANT ADDITIONAL INFORMATION

**10 June 20.00 - 22.00**

*Informal dinner together (close to the hotels/venue)*

**11 June 08.00 - 09.00**

**Aula Magna - Viale Giuseppe Fanin 44-46, 40127 Bologna, Italy**

## EU-LI-PHE Cost Action

\* **According to the COST rules**, the attendees will pay for the 2 lunches and the dinner; they will receive back the paid meals as part of the reimbursement derived from their daily allowance.

For payment of the fee and registration: **Annual Meeting EU-LI-PHE CA22112**

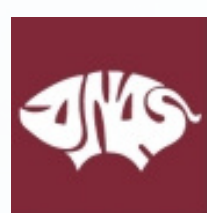
*(fondazionealmamater.it)*

Reimbursement: **Claim submission quick guide | Rise 360 (articulate.com)**

\*\* **Departure and arrival of the buses: in front of Holiday Inn Bologna Fiera**

## EVENT CO-SPONSORED BY

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