

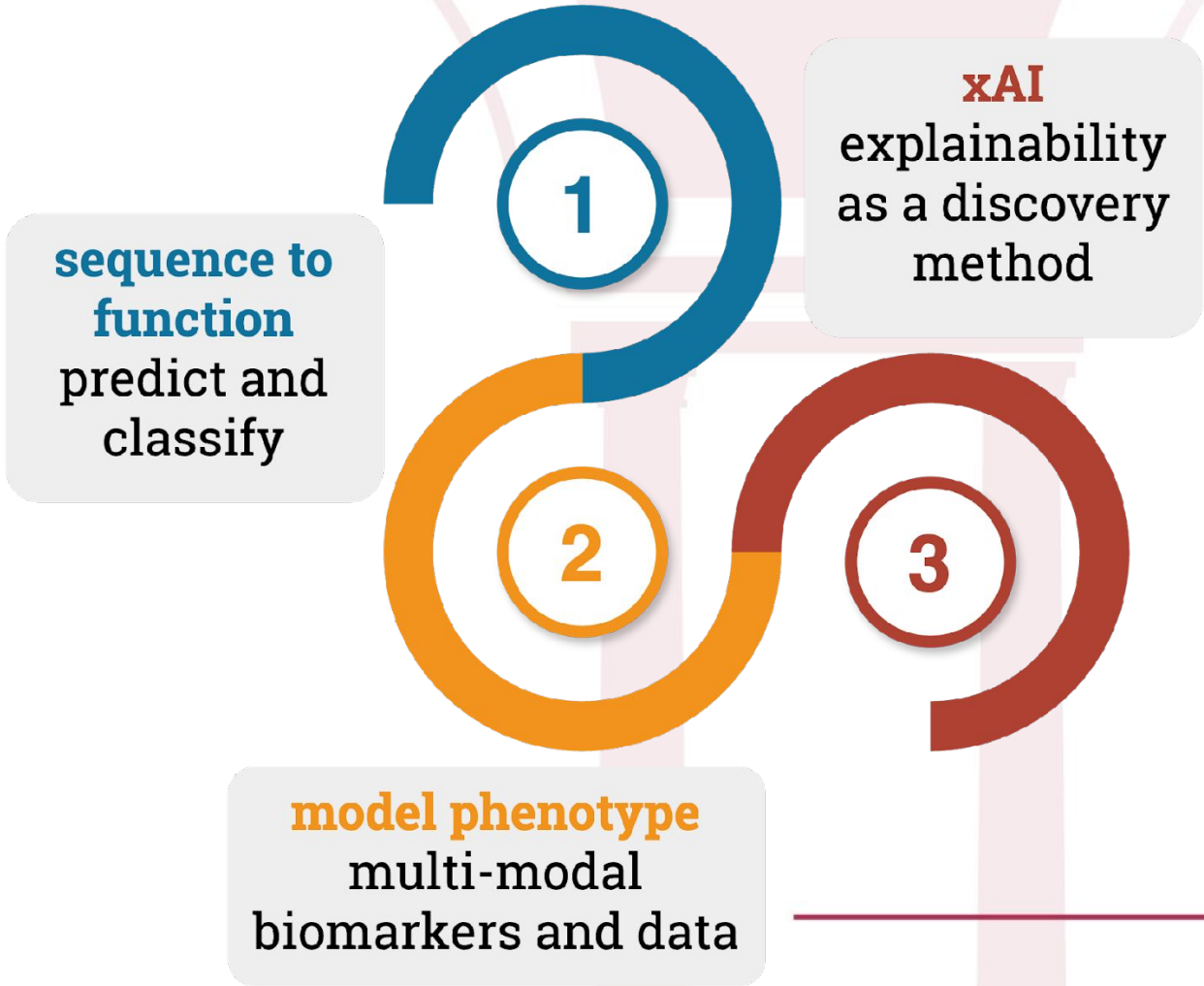
Laboratorio di Genomica Computazionale

Dipartimento di Biologia e Biotecnologie "L. Spallanzani"

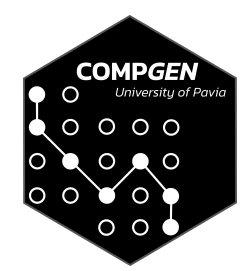
Francesco Lescai – francesco.lescai@unipv.it – 0382 986365



- 1 Molecular Biology
- 2 Genetics in Medicine
- 3 Bioinformatics
- 4 Modelling & Deep Learning
- 5 Computing infrastructure



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Scale up and computing infrastructure

- Handling large datasets
- Scaling up on cloud computing
- Deployment on HPCs

- Automate variants classification
- Biological annotation of sequences
- Genome and protein predictions

from sequence to function



- Patients' cohorts
- Clinical datasets
- Individual profiles



Modelling disease trajectories and biomarkers



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