

GENE-SWITCH

The regulatory GENomE of SWine and CHicken: functional annotation during development

Duration: 1 July 2019 - 30 June 2023

11 partners, 7 countries

Universities



Research institutes

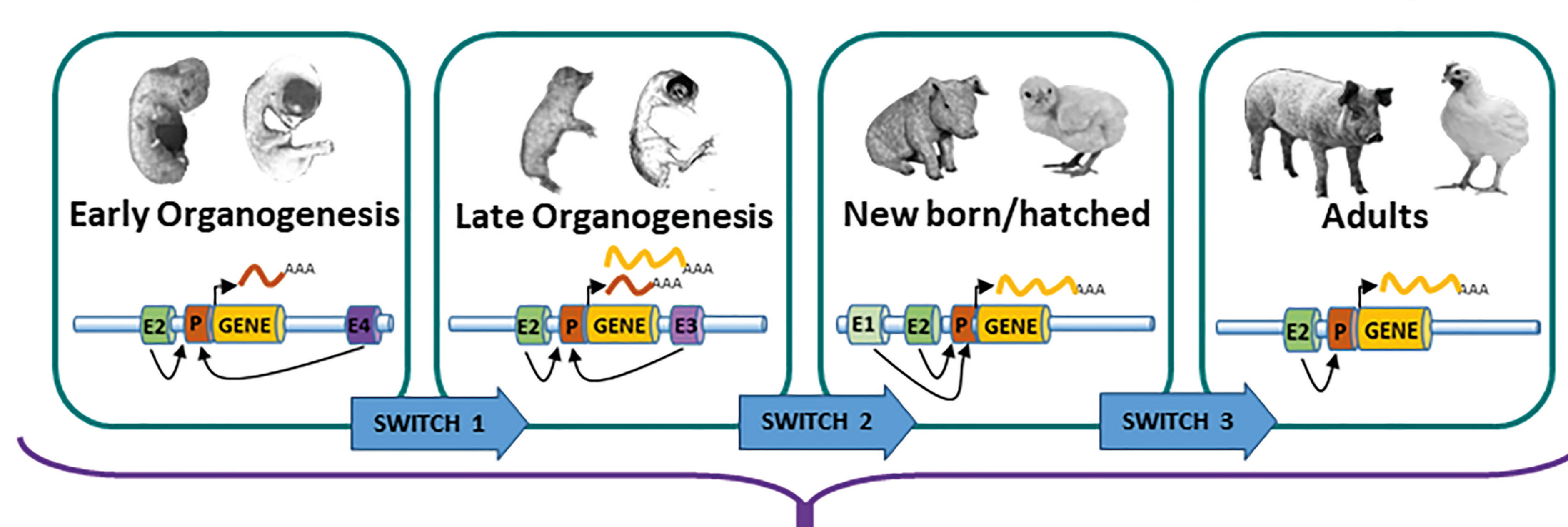


Industry partners & International organisations:

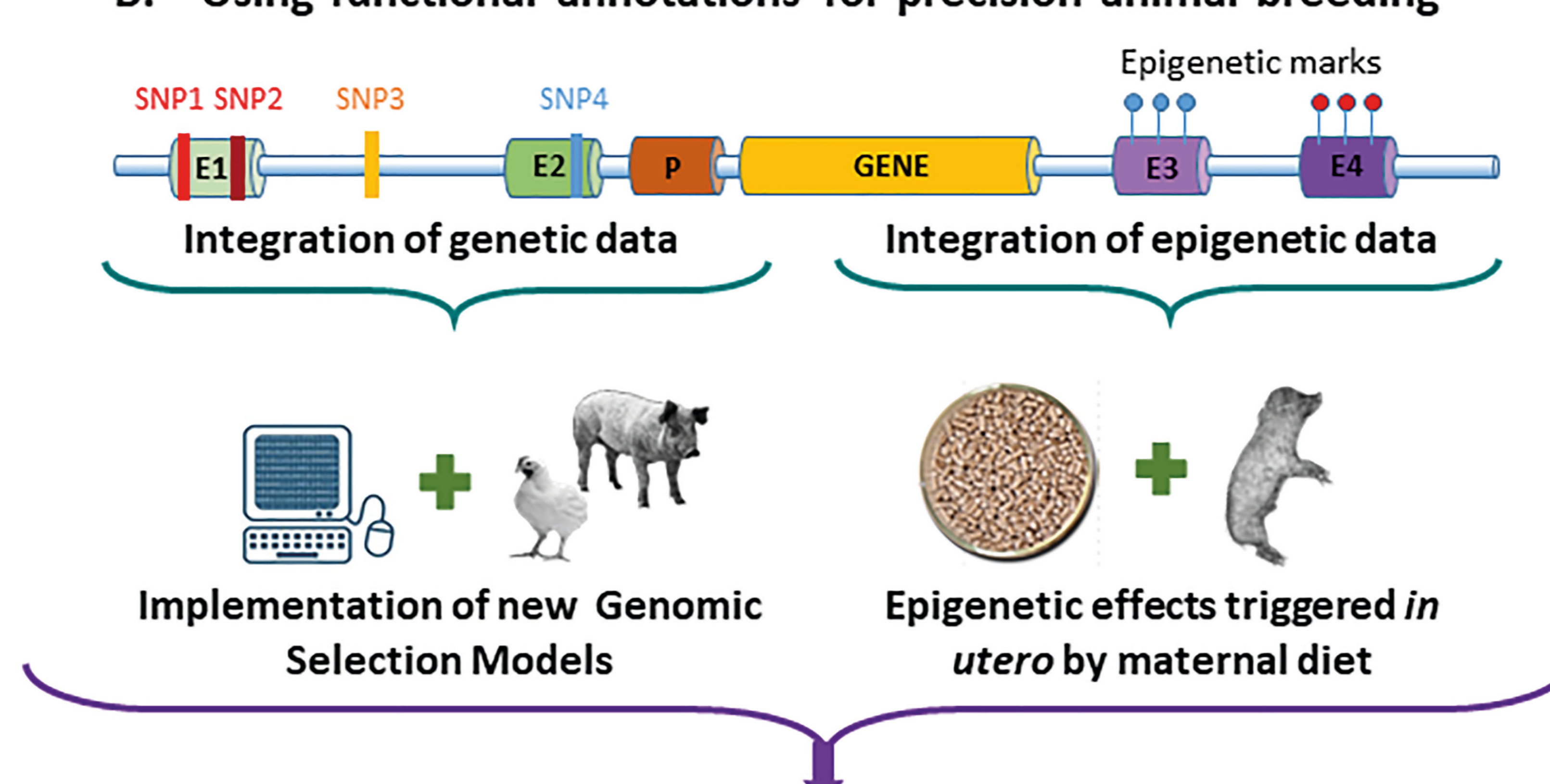


- Characterize the dynamics (“switches”) of the functional genome from embryo (chicken) and fetus (pig) to adult life.
- Generate comprehensive genome annotation maps in link with the international FAANG initiative.
- Use these maps to improve genomic selection and breeding practices to enhance sustainability of monogastric productions.

A. Functional annotations across tissues and developmental stages



B. Using functional annotations for precision animal breeding



C. Towards more sustainable pig and poultry production systems



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