

# Mariani Group

- Haematopoietic stem cells (HSCs) - the stem cells that give rise to all the blood cells – are first generated during embryonic development.
- **Macrophages have dual developmental origin** – some of them are derived from HSCs and others are generated in the yolk sac (YS) independently from HSCs.
- YS-derived macrophages become tissue-resident macrophages in several adult organs and contribute to their tissue homeostasis.
- However, **the role of YS-derived macrophages in the embryo itself is poorly understood.**

## Embryonic macrophages and their role in health & disease

