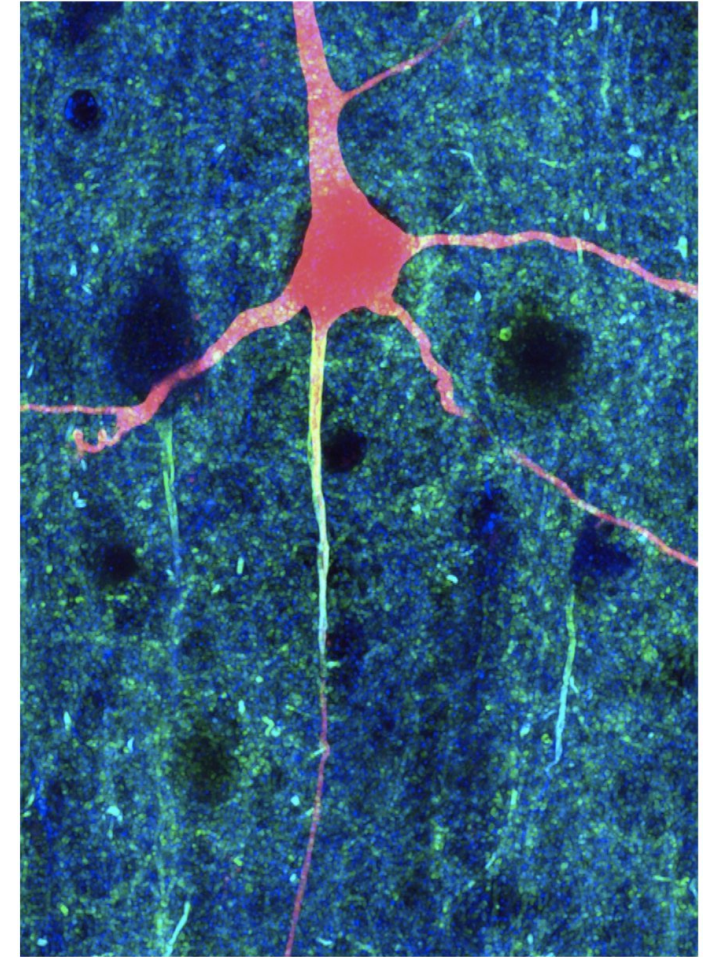
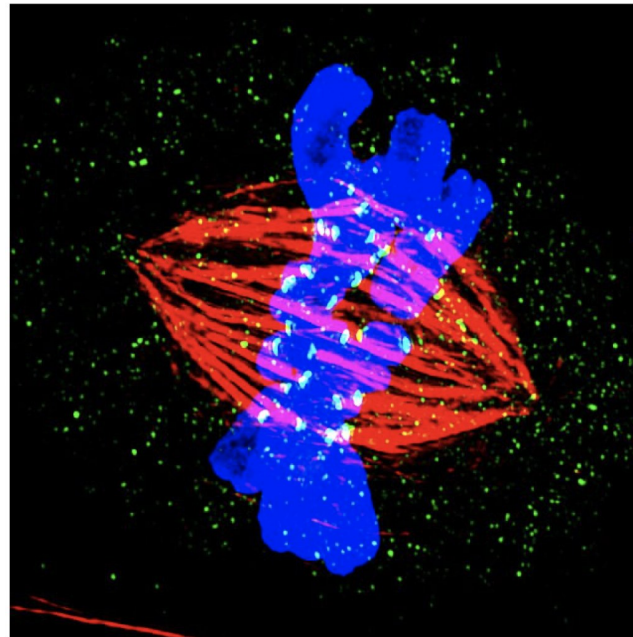
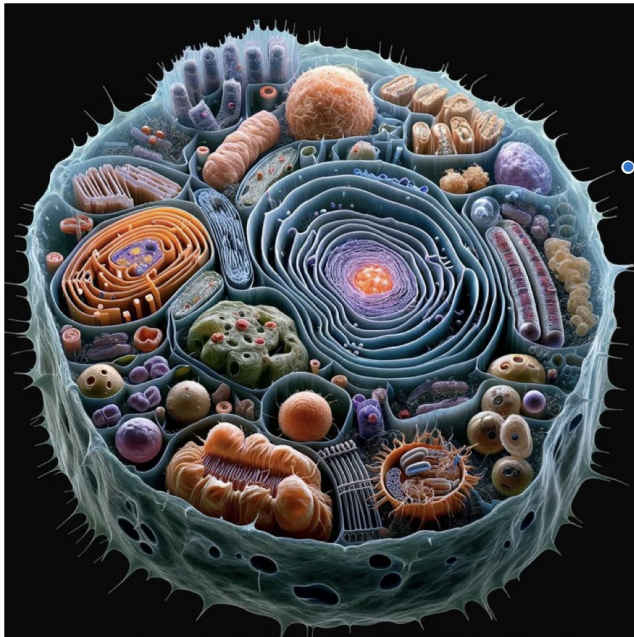


Minor Biology - Experience Life Sciences in an Integrated Way

- Semester 1 - Biology of Cells - Arne Battefeld
- Semester 2 – Cell to cell communication - Arne Battefeld
- Semester 3 - Genes & genetic disorders – Sophie Javerzat
- Semester 4 - Hot topics, Ethical concerns, Critical thinking, Interdisciplinarity - Sophie Javerzat

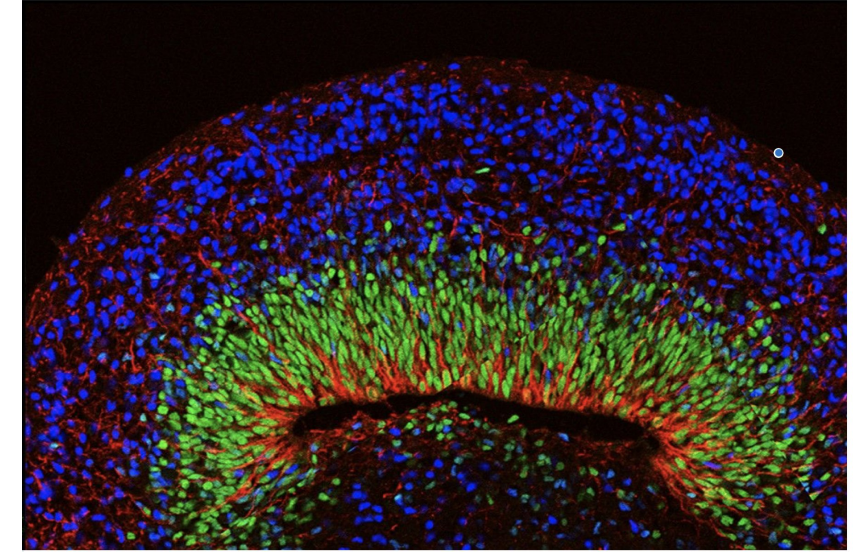
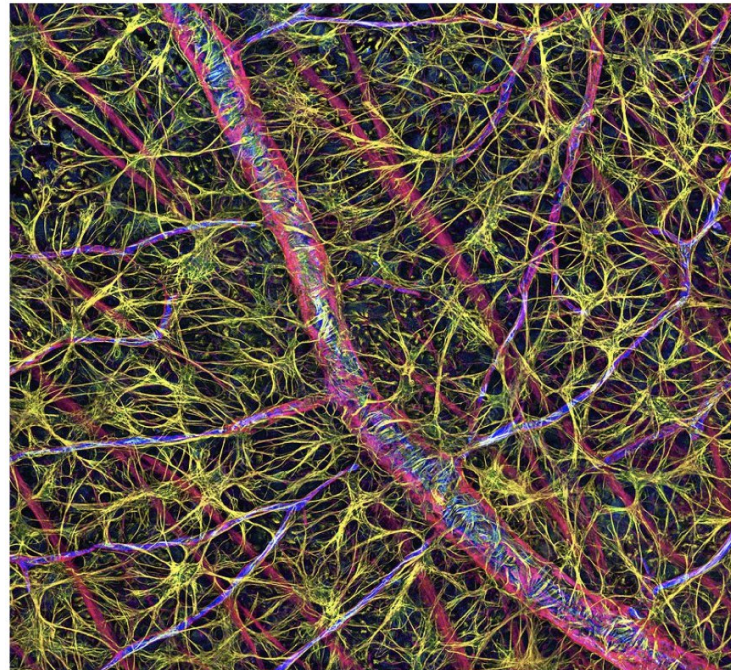
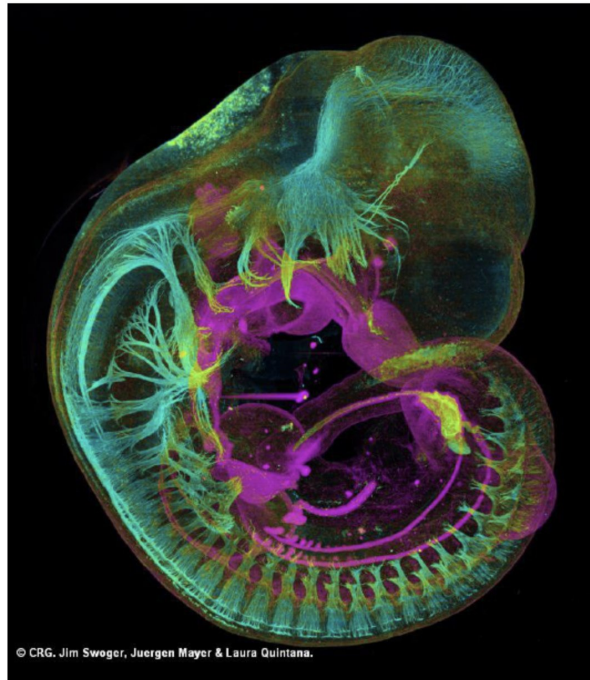
Biology of Cells

- Learning objectives :
 - Basics in cell and molecular biology
 - Integrating biology to your own major (example-based)



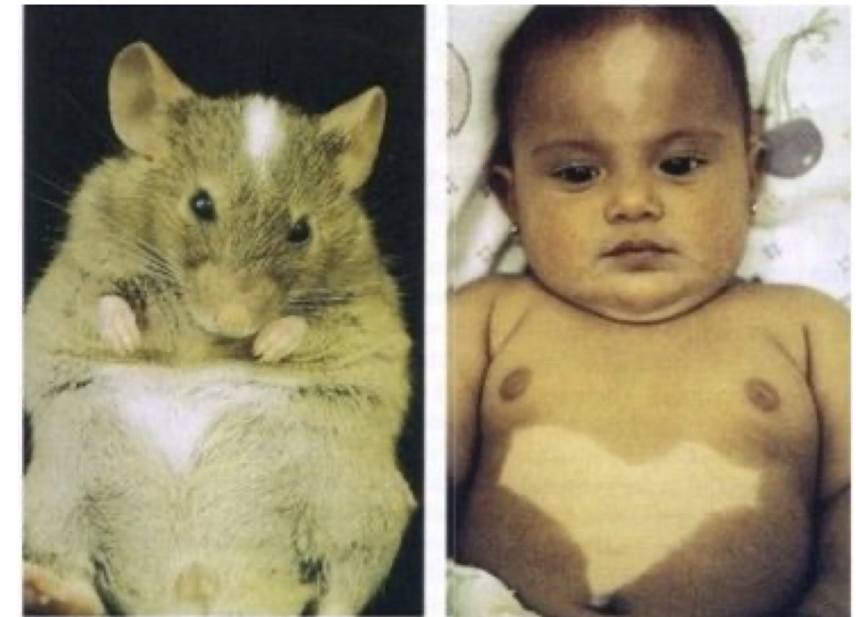
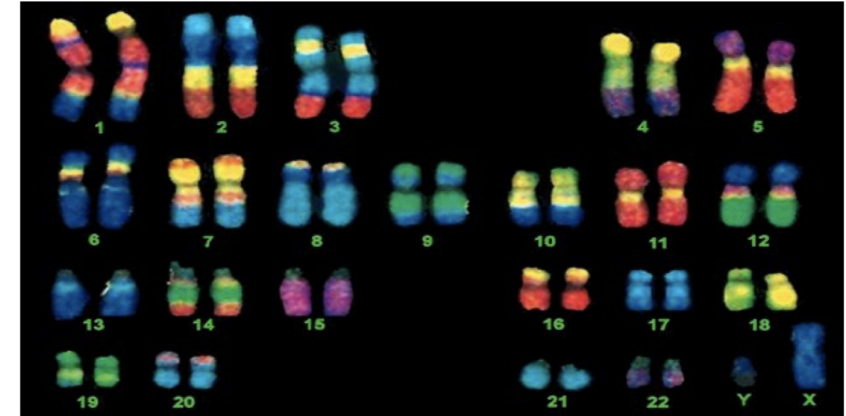
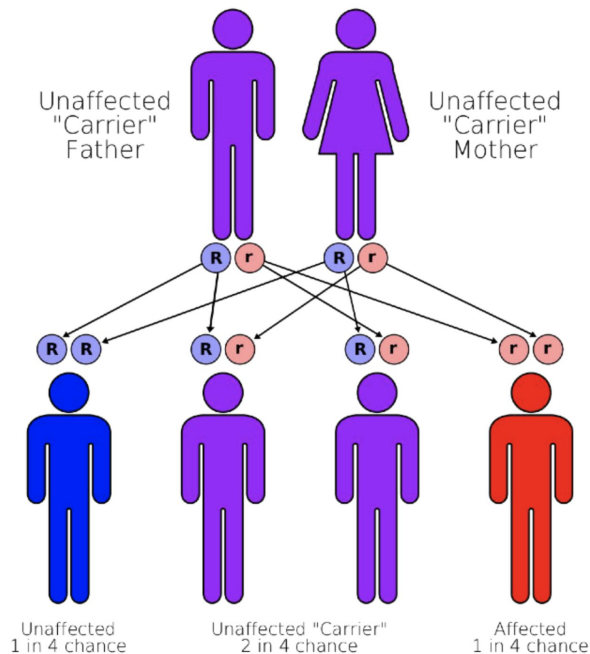
Cell to cell communication

- Learning objectives :
 - Understanding cell diversity
 - How do cell work together to achieve essential functions ?



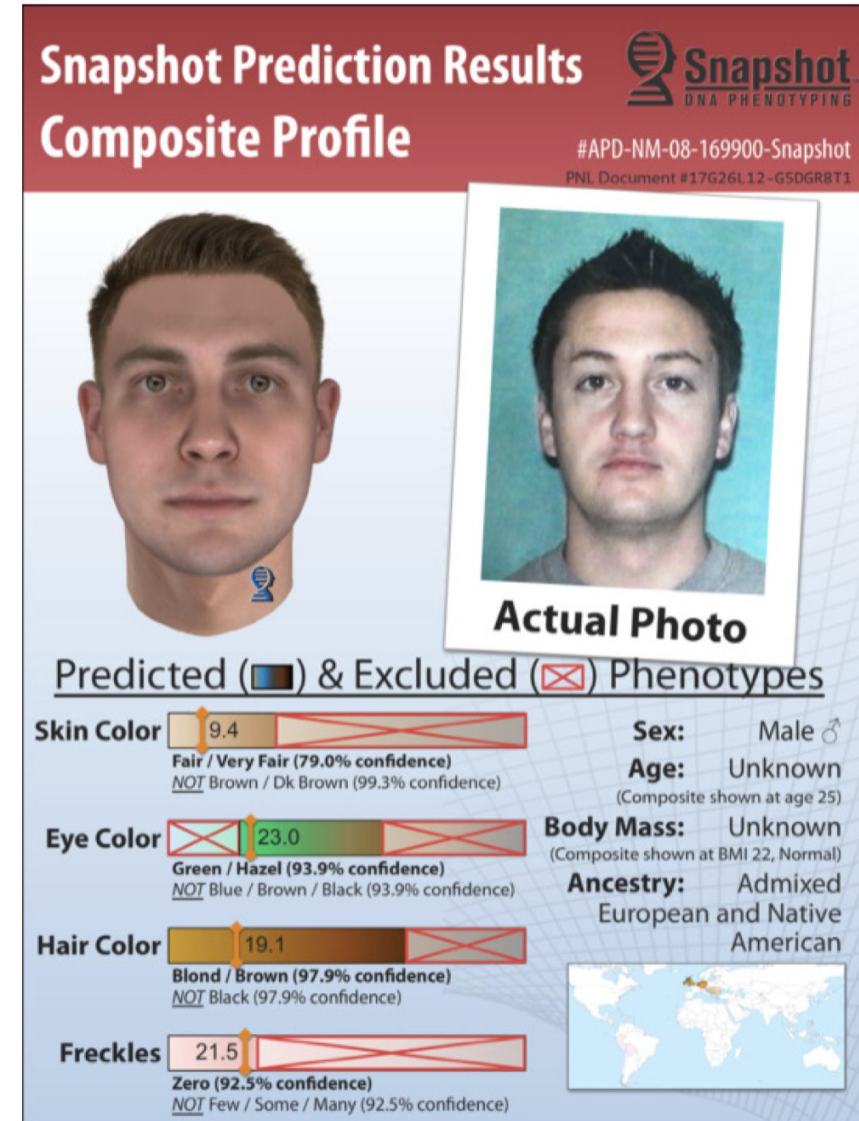
Genes & genetic disorders

- From Genes to Traits
 - Rules of transmission
 - what do we learn from mutations ?
 - Are we « just » chemical entities ?



Hot topics, Ethical concerns, Critical thinking, Interdisciplinarity

- When Biology matters for Society
- Forensic Sciences, genetic engineering, GMOs, human embryo modification...



How do we teach? How do you gain skills?

- Our teaching methods :
 - Problem-based learning
 - Flipped classrooms
 - Collaborative project
 - Debates
- Your skills :
 - Deal with scientific knowledge in english with different means of communication
 - Search for relevant sources on a topic
 - Understand and contribute to multidisciplinary projects : bio-informatics; bio-physics; bio-chemistry aso...

