Cell Identity and gene expression regulation

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Effectives: max 20
Language: English
Prerequisites:
Working knowledge in molecular Biology
Where?
PRG
When?
12-15th November 24

Evaluation:
Article presentation & active participation

Questions:
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Number ECTS: 3
Total numbers of hours:
25h including student work by small group
Teaching format:
lectures, work by small group, conferences

Teaching objectives
Acquire knowledge in gene expression regulation and on techniques related to this study. Develop scientific critical thinking skills on **enhancer definition** and on how single cell level analysis change the paradigm of **cellular identity** definition. Develop ease of interaction.

Teaching outline
Students will learn the basis of single cell experiment techniques in order to be able to challenge the question of cell identity definition. Few introductory lectures on the main principles of gene expression regulation and single cell techniques are followed by workshops on figures interpretation and lectures by researchers presenting their work in their field of research in different model organism. Two days are dedicated to two researchers. To prepare the students for these meetings, a bibliographic work is proposed