PhD Program: Common Core

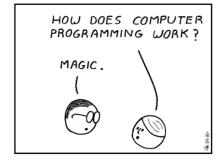## Content: list of courses and conferences

1. **General information** *Emeline Perthame, Emmanuelle Permal, Jean-Yves Tinevez*
   - Organization of the courses
   - Presentation of B&B and IA Hubs
   - Assess you background in statistics: some quizzes about statistics
2. **Ethics, good scientific conduct and plagiarism** *M. Thomas-Chollier, A. Dumoulin and R. de Rosa (IBENS)*
3. **Experimental Design** *Vincent Guillemot & Emeline Perthame*
4. **Introduction to computer science** *Nicolas Maillet & Julia Kende*
5. **Reproducibility** *Frédéric Lemoine*

Morning	
9:30	**Welcome and Introduction**
9:45	**Quizz (R and basic stats)**
10:00	**Reproducibility (FL)**
11:00	**(Coffee) Break**
11:15	**Quizz (Hypothesis testing)**
11:30	**Introduction to computer science (NM)**
12:30	**Lunch break**

Afternoon	
14:00	**Quizz (Linear Models)**
14:15	**Ethics, good scientific conduct and plagiarism (MTC, AD, RR)**
15:30	**(Coffee) Break**
15:45	**Quizz (Multivariate analysis)**
16:00	**Experimental design (VG)**
17:15	**Conclusion, Q&A**
17h30	**End of Part 2**