



# Master of Science AIV

## Interdisciplinary Approaches to Life Science

cursus Bettencourt

1<sup>st</sup> year

**Systems and Synthetic Biology (SSB)**

2<sup>nd</sup> year

**General Interdisciplinary & SSB tracks**

[www.cri-paris.org/master-aiv](http://www.cri-paris.org/master-aiv)

**apply online  
until May 31<sup>st</sup> 2015**

**Open Doors : check our website for the schedule**

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# Master 1

## 1<sup>st</sup> semester

Bootcamp  
Systems Biology  
Synthetic Biology  
Dynamics of Living Systems  
Computational Biology  
Experimental Methodology  
Statistics for System Biology  
Science & Medicine

## 2<sup>nd</sup> semester

Scientific Communication  
Interdisciplinary Seminars

**5 months research  
internship or iGEM**

The interdisciplinary master program is open to bachelor students in Biology, Physics, Mathematics, Chemistry... Long internship or participation to the **iGEM** competition (MIT, Boston).



Depending on their previous experience, students may apply to the Master 1<sup>st</sup> or 2<sup>nd</sup> year. After evaluation of their written applications, candidates have a personal interview before admission to the AIV Master program.

All Master courses (1<sup>st</sup> and 2<sup>nd</sup> year) are taught in English, as many students from around the world enter the AIV Master every year.

# Master 2

The M2 curriculum emphasizes training in scientific reasoning with experimental and theoretical approaches. It includes 3 research internships and the development of a PhD-thesis project.



## 3<sup>rd</sup> & 4<sup>th</sup> semesters

Project writing workshop

Critical analysis of research articles

Bibliography project

Scientific debate and development of thesis project

Systems Biology

Synthetic Biology

**3 research internships**