

MPhil in Computational Biology

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GATCGT Cambridge
TCCBIA Computational
TTACCG Biology
AGCCTA Institute
GAACGT

- Programme structure (CCBI)
- Internships
- Application process
- Life after MPhil

MPhil in Computational Biology

Term 1 Oct–Dec	Term 2 Jan–Mar	Term 3 Apr–May	Summer May–Aug
Genomics I Deep learning	Image Analysis / Biodesign Cancer Evolution	Exam Systems Biology	Internship
Scientific Programming Genome Sequence Analysis Seminar in Computational Biology	Genomics II Population Genetics		

Pre-term:

- Introduction to molecular biology

Assessment mostly via coursework (one exam). This is an intensive programme!

Internships

Key component of course is 12–14 week summer project.

Dissertation and end-of-project talks, hosted over two/three days.

Students work either in local company, university lab (or go further afield).

Previous internships:

- Cambridge: Depts of Chemistry, Zoology, Computer Lab, LMB, Cambridge Research Institute
- Microsoft Research
- Wellcome Trust Sanger Institute
- European Bioinformatics Institute
- Harvard Medical School: Systems Biology
- Norwich Institute for Food Research
- GSK
- AstraZeneca

Application process

- Applications assessed regularly, closing date mid February.
- 15 minute interview via Skype (or in-person).
- Key elements of a good application:
 1. Why this programme, and why Cambridge?
 2. References
 3. Evidence of computational/mathematical ability.
- We have little/no funding available. Apply by Dec for University funding options.

Life after MPhil

- Approx 60% of students go *directly* into PhD programmes.
- Some wait a year before applying.
- Many research assistant posts available in institutes/start ups around Cambridge.
- Internship can be a good way to find a future position.