Bioinformatics – A Definition

H3ABioNet
Pan African Bioinformatics Network for H3Africa

Aim:

The course aims to provide an introduction to the field of bioinformatics, with a focus on important bioinformatic tools, algorithms and resources.

The course aims to use a combination of theoretical and practical sessions for participants to gain practical experience in using various tools and resources.

Intended audience:

The course is aimed at individuals from a molecular biological background who have a basic understanding of biochemistry and/or genetics and would like to become bioinformatics users. A base line level of the understanding of the central dogma of biology is a requirement.

The design, construction and ⟨use⟩ of software tools to generate, store, annotate, ⟨access⟩ and ⟨analyse⟩ data and information relating to Molecular Biology

In the next few weeks, you will consider the <u>use</u> of Bioinformatics tools rather than their design and construction

In the next few weeks, you will consider the <u>access</u> and <u>analysis</u> of data and information items rather than their generation, storage or annotation

And now … Your turn!
Some issue for consideration, discussion and reaction

Do you think the definition of Bioinformatics suggested might be improved?
If so, how?

Computational Biology is a approach related to Bioinformatics.
It too has a range of definitions.
Take a look at a few and suggest that with which you might feel most comfortable.

Computational Biology is sometimes considered to be synonymous with Bioinformatics. For example, see the definition offered by **.**

More commonly, Bioinformatics and Computation Biology are regarded as overlapping terms as might be resented by a Venn diagram thus:
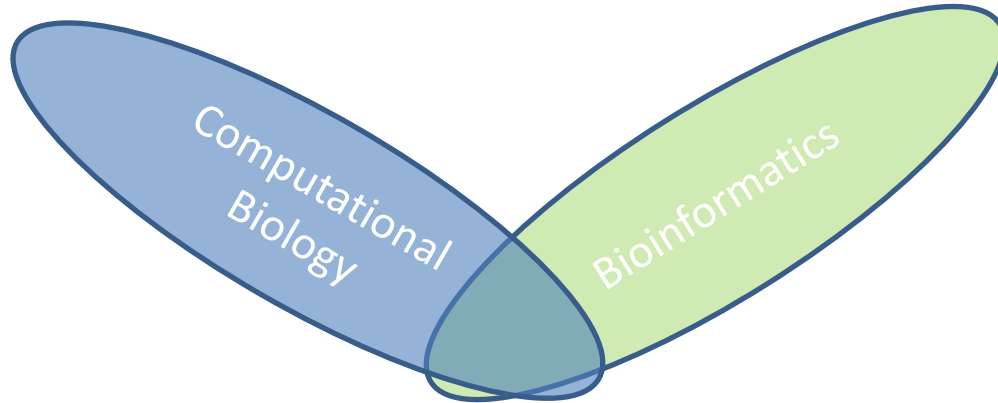
Having looked at a few definitions generously provided by google, compose a list of the elements you think might belong in each of the three sections of the Venn diagram.

THE END