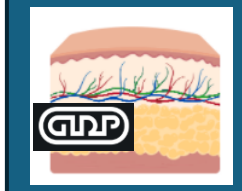
Writing a scientific article : Tips & Tools

Figures

Biorender is a commercial (paid) software, a free limited version exists which you can use to generate your figures.
⏩ https://www.biorender.com/



We recommend using BIOGDP, a free online tool to make figures.
⏩ https://biogdp.com/

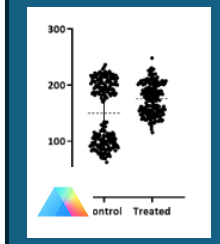
Mind the GRAPH · smart SERVIER MEDICAL ART · TOGOTV · bioicons · etc...

For the full list of online tools to help you make paper-ready figures, check out the SupBiotech Student Space
⏩ http://recherche.supbiotech.fr/students

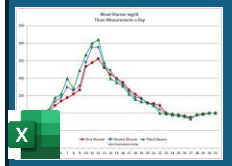
Imaging

Your one-stop shop (open source and free) for analysing scientific images : Fiji is a pack containing the excellent ImageJ software as well as many biologist-friendly options.
⏩ Download [Link]

Graphs

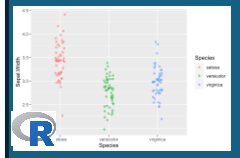


GraphPad Prism is a commercial (paid) software for making paper-ready graphs and applying statistics. A free trial limited to one month exists which you can use.
⏩ https://www.graphpad.com/



We recommend learning two software used in scientific labs :

- Excel : many features allow you to render professional graphs
  ⏩ Many useful videos are available online, eg [Link]
- R : Paper-ready graphs can be obtained. The ggplot library is the best and easy to use.
  Online GGPLOTtutorial :
  ⏩ https://shiny.gmw.rug.nl/ggplotgui/
  ⏩ Datacamp : SupBiotech gives you free access to online classes [Link]



DNA

SnapGene is a leading commercial (paid) software for viewing your plasmid DNA graphically and organizing your plasmids. A free trial limited to one month exists which you can use.
⏩ https://www.snapgene.com/

Alternative software to view sequences and draw plasmid maps :

- ApeDNA (open source) [⏩ Link]
- Benchling (free version) [⏩ Link]
- Biorender : Of note, the free version enables you to draw plasmid maps [⏩ Link]

Referencing

You must use a bibliographical management software. Zotero is your first choice : it is free and used by nearly all academics.
⏩ Zotero [Link] – How to use Zotero in 5' [Link]
⏩ Other software : Mendeley (Free), EndNote (Paid), Papers (paid)