

# Reviews in Quantitative Biology

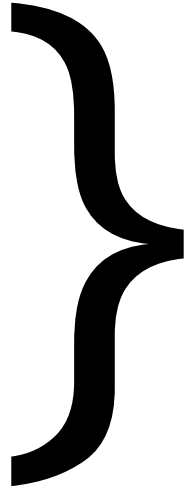
introduction



Christophe Dessimoz

# Course in a Nutshell

Hear a  
Write a  
Evaluate a



Review

# Why review the literature?

- Discover and learn new topics
- Identify relevant research questions
- Build upon existing work

# Why write a review?

- Introduce proposals, research plans, theses, papers...
- Improve your writing skills
- Think/understand through writing

# Why peer-review?

- Be a good citizen
- Stay at forefront of research
- Sharpen your critical thinking skills
- Impress the editor

# Learning Outcomes

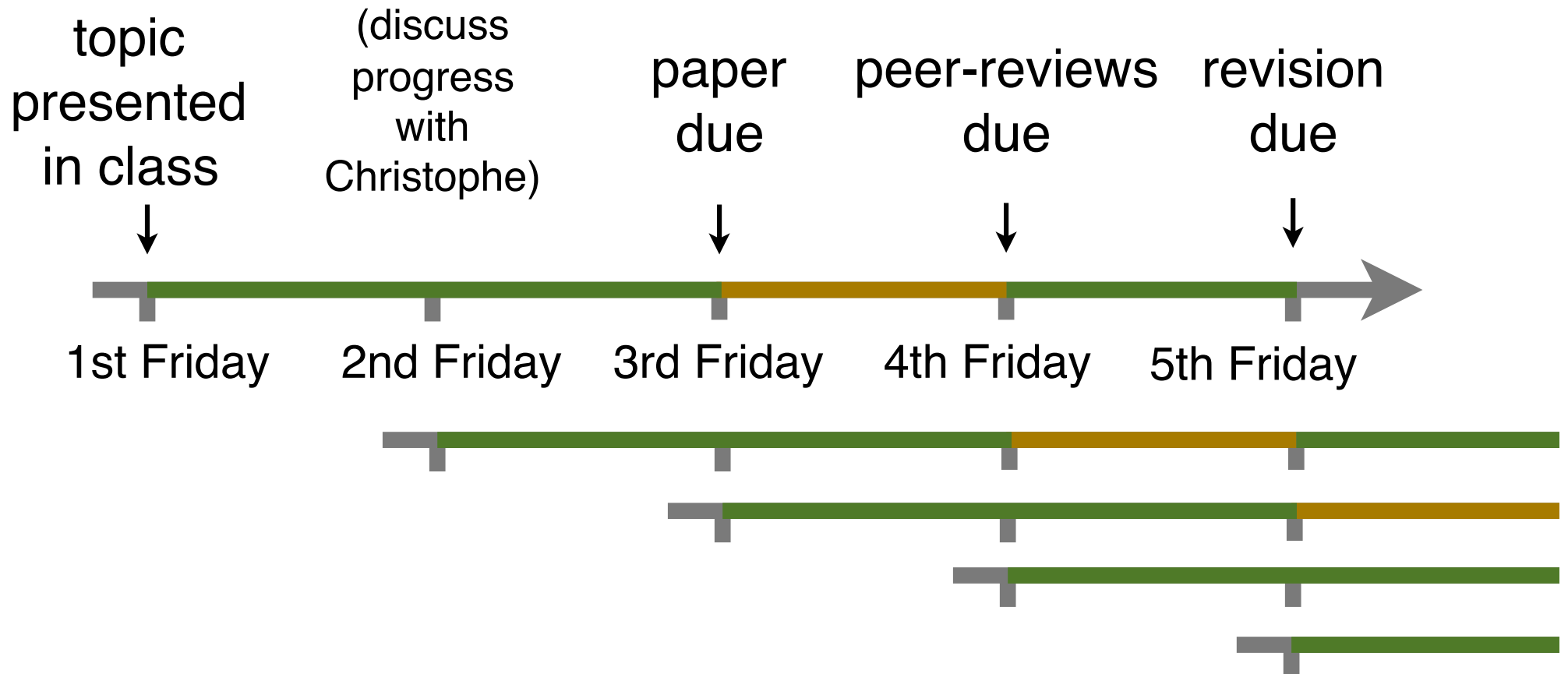
- Recognise current QB topics
- Identify relevant papers
- Organise and summarise relevant work in a clear, coherent, succinct review
- Provide critical and constructive peer-reviews
- Improve your work from peer-reviews

# Organisation

- Main tutorial (11am-1pm)
  - 1hr review on a special topic, usually by an invited speaker
  - 1hr on writing, feedback, meta
  - Presence mandatory!
- Supervisions
  - Get preliminary feedback on your draft
  - Ask questions, give suggestions, etc..

# Assignments

Write 1 review and 2 peer-reviews





# Co-authoring Reviews

- Reviews are written in groups
- Include a statement of author contribution at the end, e.g.:

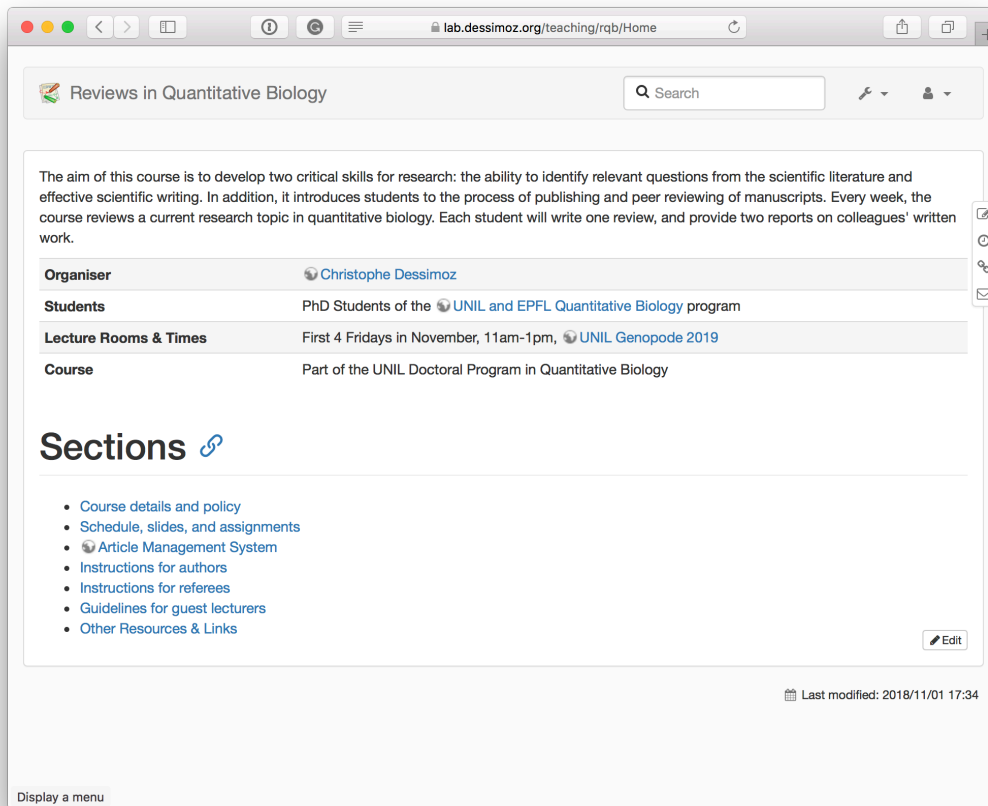
JS wrote most of the introduction and section on PPI network and produced Table 1. CD wrote most of the section on regulatory network and produced the figures.

# Manuscript

- Quality matters more than quantity, but ~2000 words is a typical length.
- Write with Google Docs + paperpile or with Overleaf
- Initially submit as a PDF only with a references and any images and tables.
- Revised version as a PDF with a cover letter addressing the referees' criticisms.

# Course Homepage

<http://lab.dessimoz.org/teaching/rqb>

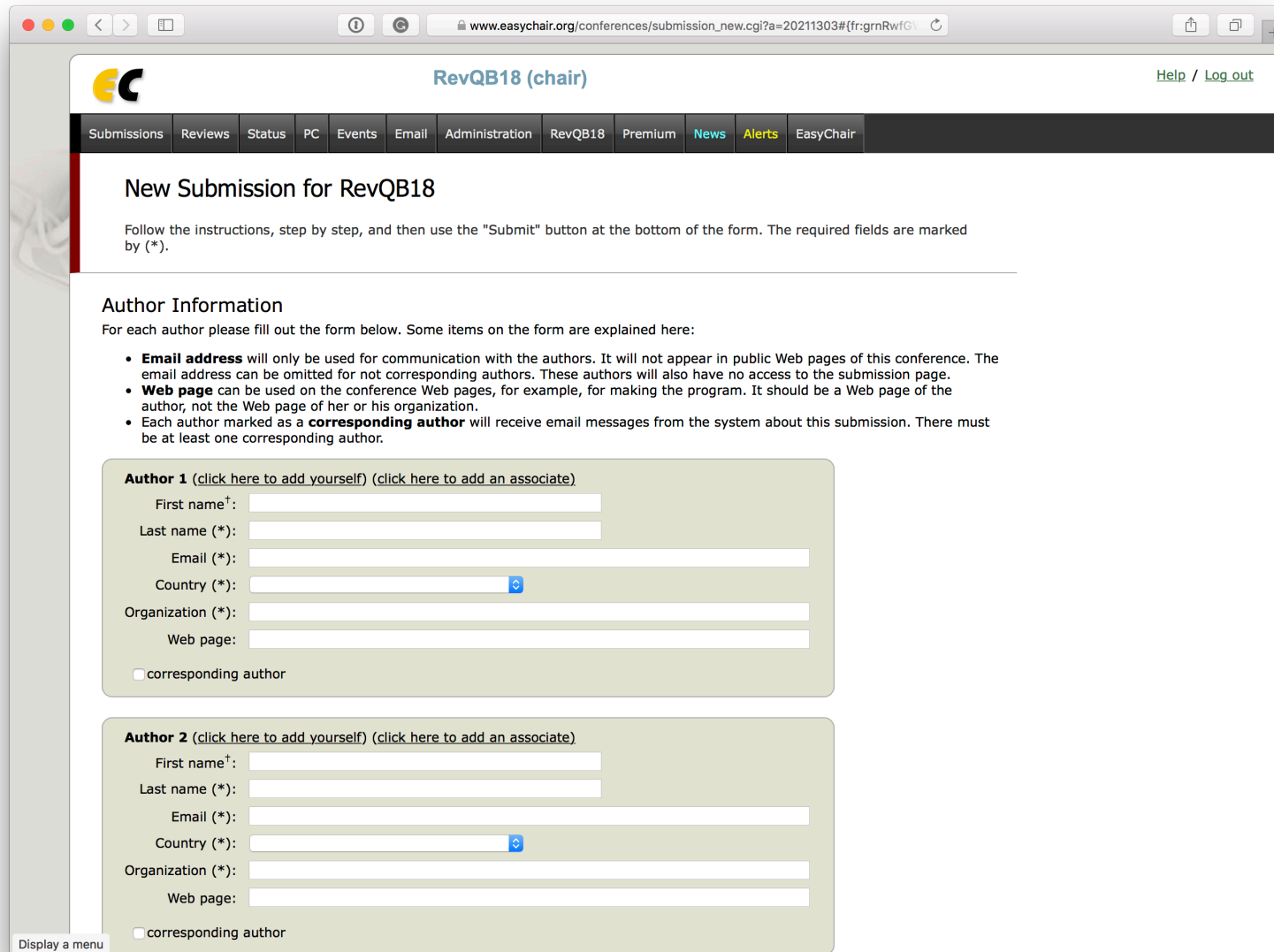


- Course details
- Schedule
- Slides
- Link to course journal (+article management)

Date 11:00-12.00		12:00-13:00	Assigned Student(s)
1 Nov	<a href="#">Introduction</a> & <a href="#">Review Writing</a>	Dr. David Emms (Oxford): <a href="#">Wikipedia page on Orthologs</a>	Romain Feron, Gilles Baud, Joaquim Cruz, Nermine Laaboob, Emmanuel Längst
8 Nov	Prof. Roman Arguello (DEE): Methods for inferring signals of local adaptation	<a href="#">Peer-reviewing</a>	Eléonore Lavanchy, Valentin Oreiller, Vincent Somerville, Tane Kafle, Aurélie de Vallière
15 Nov	Dr. Daniele Silvestro (DBC): Challenges and potential of integrating fossil and molecular data in evolutionary analyses	<a href="#">Getting published by Natasha Glover (CIG/DBC)</a>	Dinis Barros, Ana Cecilia Aliaga Fandino, Samuel Koh Wee Han, Melvin Bérard, Jyoti Dalal
22 Nov	Dr. Tarcisio Mendes de Farias (DBC): Semantic Integration of Biological Data	<a href="#">Editing</a>	Victor Joo, Linh Ho, Liza Darrous, Simon Eggenschwiler, Iker Lamas, Isa Özdemir, Mathieu Saubade

# Course Journal

<https://easychair.org/conferences/?conf=revqb18>



The screenshot shows a web browser window with the URL [www.easychair.org/conferences/submission\\_new.cgi?a=20211303#\(fr:grnRwfGV\)](https://easychair.org/conferences/submission_new.cgi?a=20211303#(fr:grnRwfGV)). The page title is "RevQB18 (chair)". The navigation bar includes links for Submissions, Reviews, Status, PC, Events, Email, Administration, RevQB18, Premium, News, Alerts, and EasyChair. The main heading is "New Submission for RevQB18". Below this, instructions state: "Follow the instructions, step by step, and then use the 'Submit' button at the bottom of the form. The required fields are marked by (\*)."

**Author Information**

For each author please fill out the form below. Some items on the form are explained here:

- **Email address** will only be used for communication with the authors. It will not appear in public Web pages of this conference. The email address can be omitted for not corresponding authors. These authors will also have no access to the submission page.
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- Each author marked as a **corresponding author** will receive email messages from the system about this submission. There must be at least one corresponding author.

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Display a menu

# Authorship according to



*To qualify as an author one should*

*1) **have made substantial contributions** to conception and design, or acquisition of data, or analysis and interpretation of data;*

*2) **have been involved in drafting the manuscript** or revising it critically for important intellectual content; and*

*3) **have given final approval** of the version to be published.*

*[...] **Acquisition of funding, collection of data, or general supervision of the research group, alone, does not justify authorship.***

# Share credit with lecturer

- In virtually all cases to date, reviews written in this course heavily draw from the presentation.
- Thus, the speaker is typically listed as last author on your submission.
- Note that if this was a \*real\* submission, the other two requirements would also need to be fulfilled.

# My Expectations

- Demanding tutorial
- Presence and participation on Fridays
- Strong commitment to both review and peer-review
- Intellectual honesty: no plagiarism nor fabrication!



# Your Expectations

