



Facilitating collaborative scientific writing and publishing

University of Cambridge

Helping STEM Researchers Publish Workshop

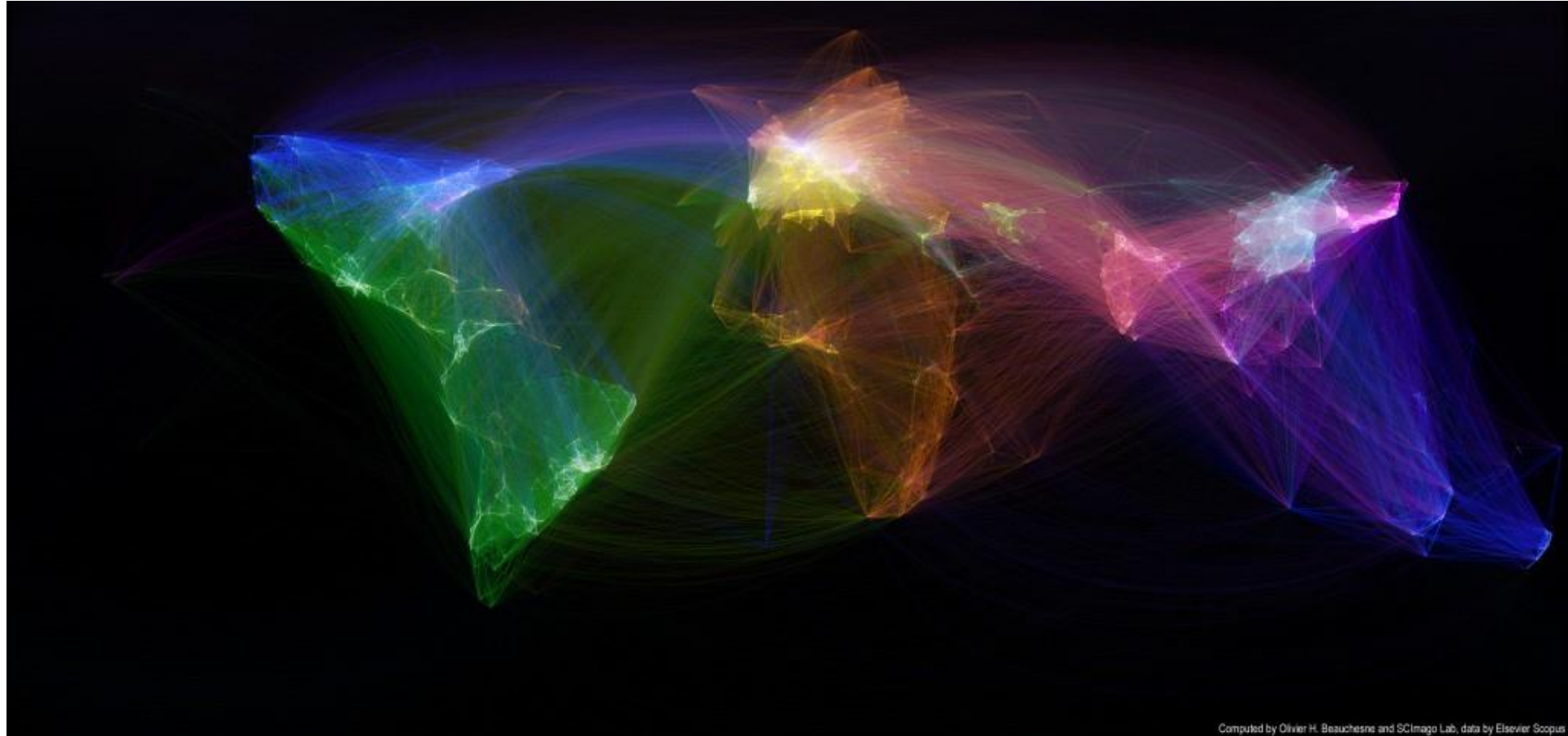
08 February, 2017

Ali Smith & Villy Ioannou

Overleaf

www.overleaf.com

Global scientific collaboration

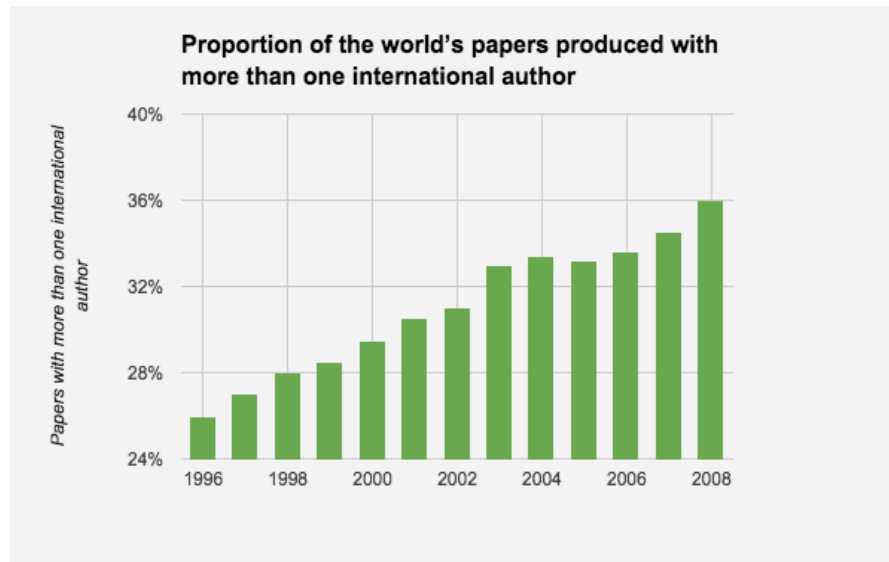


Collaboration networks between researchers in different cities
(built using Scopus data on papers published between 2008 and 2012)

Source: <http://olihb.com/2014/08/11/map-of-scientific-collaboration-redux/>

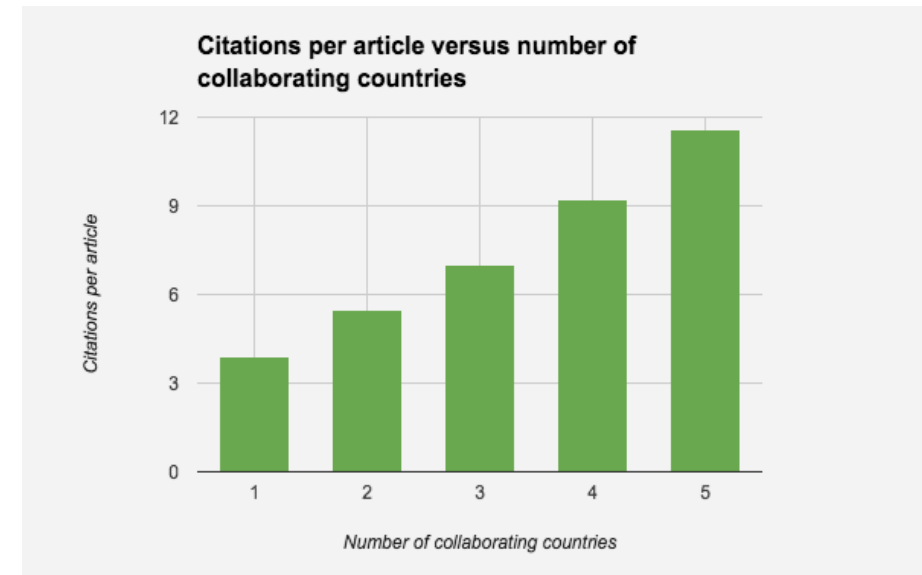
Growth in collaborative research

Global collaborative writing
growth trends



Source: Knowledge, networks and nations. Global scientific collaboration in the 21st century - The Royal Society - 2011

Such collaboration is beneficial



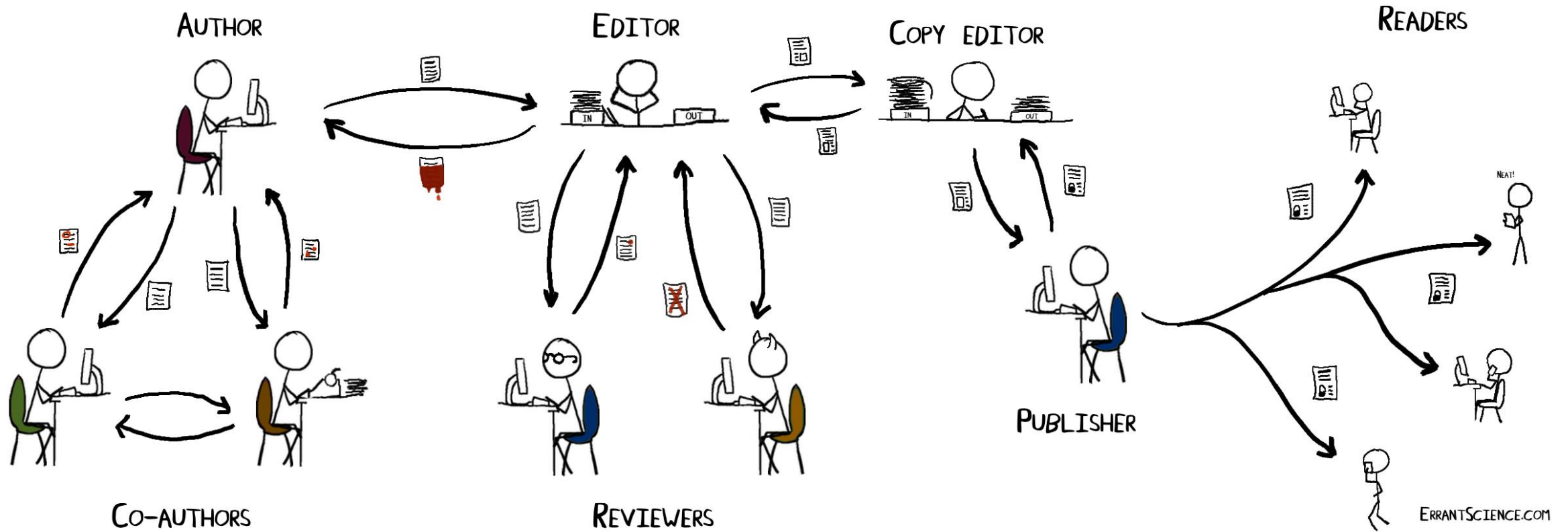
Source: Knowledge, networks and nations. Global scientific collaboration in the 21st century - The Royal Society - 2011

Collaboration can be frustrating

- Multiple versions of the same document
- Long email chains
- Formatting/typesetting
- Maintaining references
- Long revision cycles

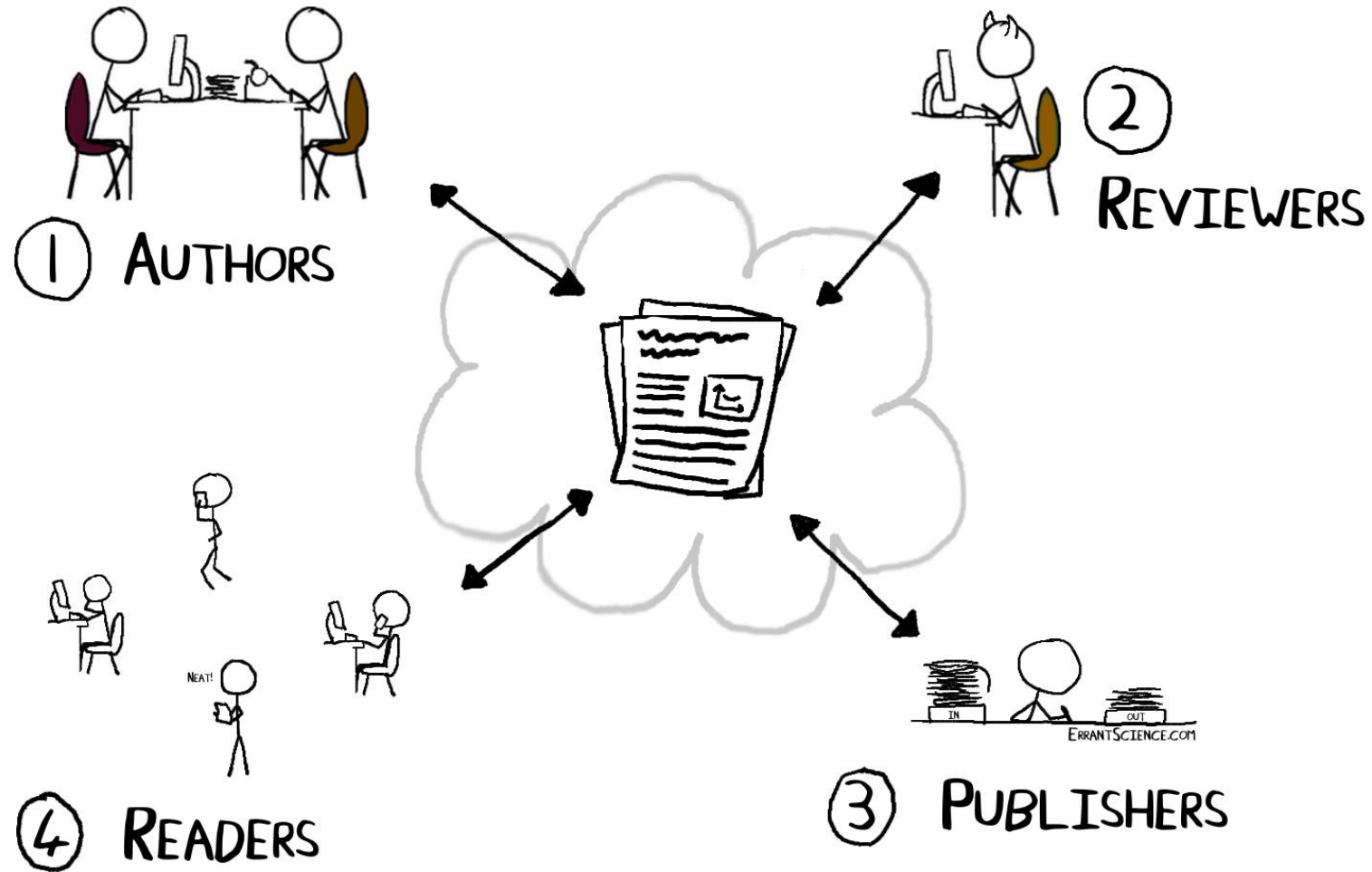


The entire life cycle is affected



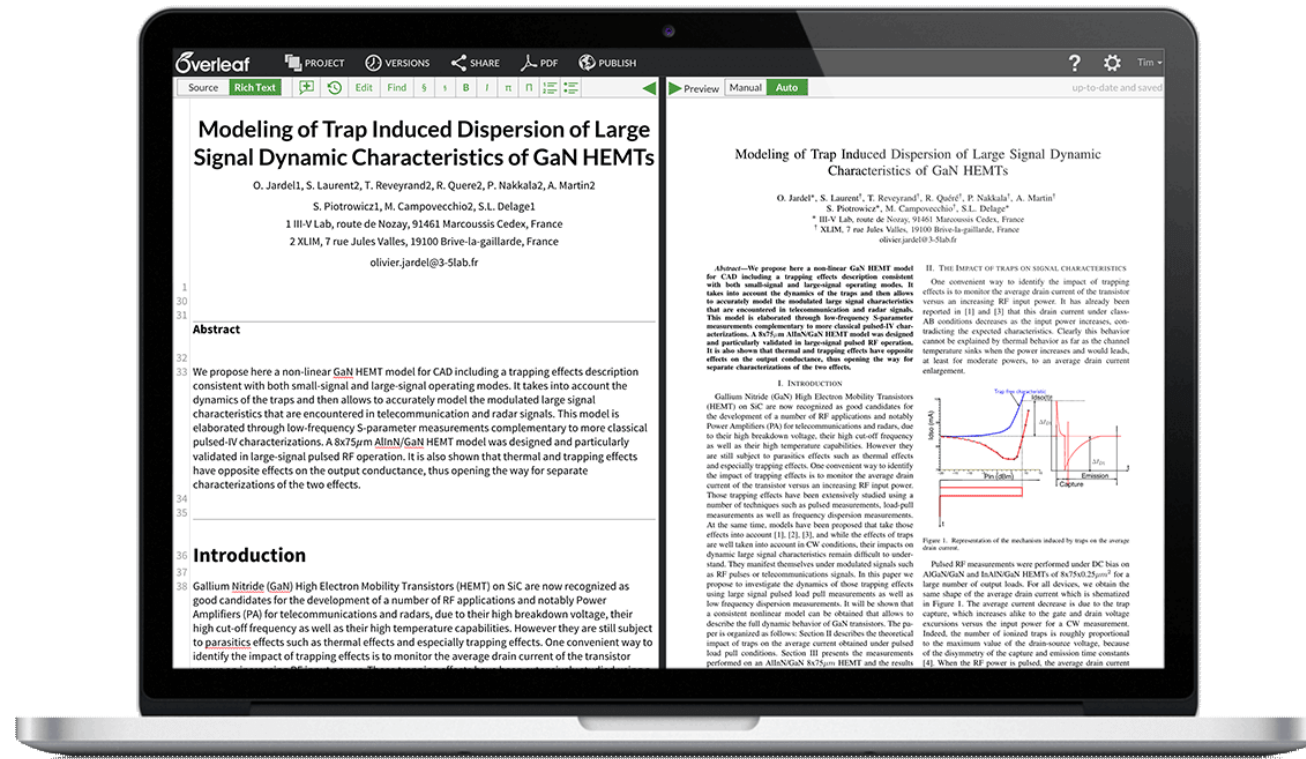


ONE VERSION IN THE CLOUD ACCESSIBLE BY ALL COLLABORATORS



A collaborative writing platform

Edit on the left, see compiled PDF on the right



<https://www.overleaf.com/tutorial>

A light blue world map serves as the background. A thick black line graph is overlaid, starting horizontally from the left and curving sharply upwards towards the top right corner. The text is centered over the map.

7,000,000 documents
600,000 authors
180 countries
in 4 years



What Overleaf is doing for end users

Making research faster, more open & more accessible:

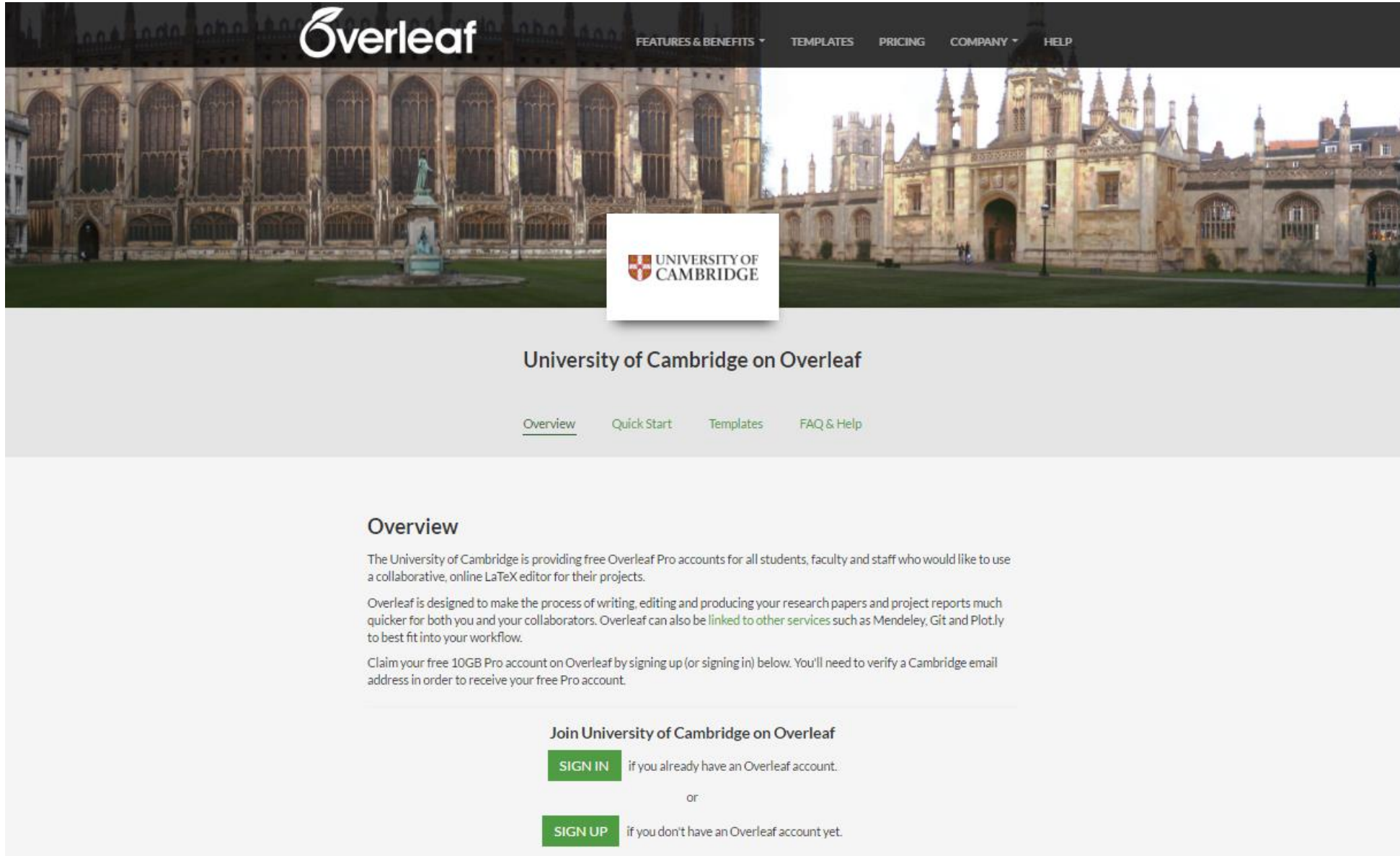
- One version of document accessible by all
- No need to email large files, simply share a link or invite by email
- Typesetting done automatically in the background
- Automatic reference styles and citation links
- Review tools provide real-time commenting, track changes & version control
- No local software installation on multiple machines required
- End user tech support – platform, templates, LaTeX

Institutional benefits of Pro accounts


Offering campus community features of Pro accounts:

- 10GB storage & 500 files per project
- Protected projects – invite collaborators privately rather than sharing a link – especially nice for collaborating with other institutions
- Full project history along with version control
- Quick save to Dropbox
- Priority support

Now trialled at Cambridge: www.overleaf.com/edu/cambridge

The image is a screenshot of the University of Cambridge's Overleaf page. At the top, there is a dark navigation bar with the Overleaf logo on the left and links for 'FEATURES & BENEFITS', 'TEMPLATES', 'PRICING', 'COMPANY', and 'HELP' on the right. Below the navigation bar is a large banner image showing a wide view of a historic building with many arched windows, likely a part of the University of Cambridge. In the center of the banner, there is a white square containing the University of Cambridge crest and the text 'UNIVERSITY OF CAMBRIDGE'. Below the banner, the text 'University of Cambridge on Overleaf' is centered. Underneath this, there are four links: 'Overview' (which is underlined), 'Quick Start', 'Templates', and 'FAQ & Help'. The 'Overview' section is expanded, showing a heading 'Overview' followed by three paragraphs of text. The first paragraph states that the University of Cambridge is providing free Overleaf Pro accounts for students, faculty, and staff. The second paragraph describes Overleaf as a collaborative online LaTeX editor designed to make writing and editing research papers and project reports quicker. The third paragraph explains that Overleaf can be linked to other services like Mendeley, Git, and Plot.ly. Below the text, there is a section titled 'Join University of Cambridge on Overleaf' which contains two green buttons: 'SIGN IN' with the text 'if you already have an Overleaf account.' and 'SIGN UP' with the text 'if you don't have an Overleaf account yet.' separated by the word 'or'.

Portal contains resources, templates and guides to get started



University of Cambridge on Overleaf

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Quick Start

Welcome to the Cambridge quick start guide to Overleaf. We've put together some useful resources and links in the sections below, and if you have any questions about how to get started please [let us know](#) and we'll be happy to help!

For Students

Try out the Overleaf editor with built in tutorial

If you'd like to dive straight into the editor, simply click the button to create a new paper using our quick-start template. A short tutorial will walk you through the main features to quickly get you started.

[CREATE A NEW PAPER](#)

Browse the Overleaf template gallery


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If you're new to LaTeX, we've put together a free online course to help you learn the basics. If you have never used LaTeX before, or if it has been a while and you would like a refresher, this is the place to start.


[TEACH ME LATEX!](#)



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A flying start to the University of Cambridge Overleaf trial

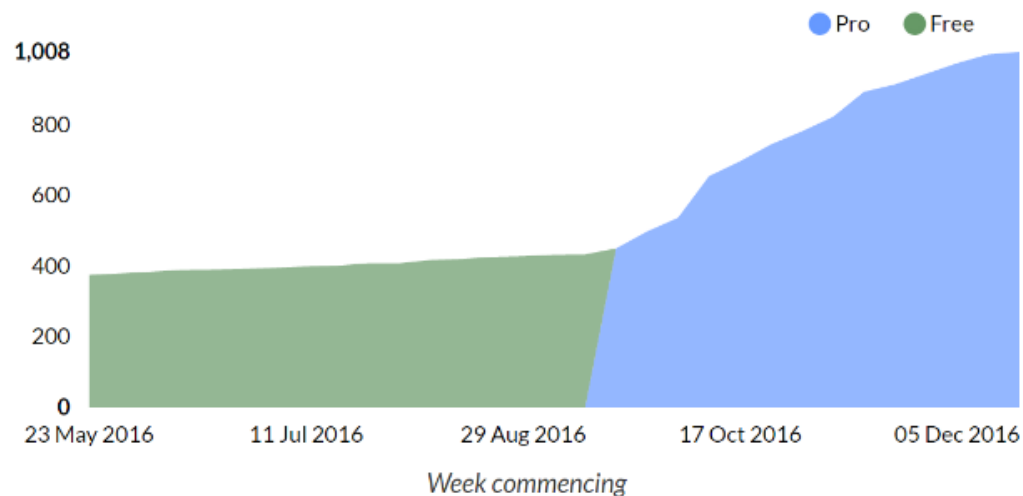
By *John Hammersley*

December 22, 2016



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shares

Licenses Allocated



The trial started on September 22nd, at which point the 434 existing users were automatically upgraded to Pro. Since the launch of the trial, sign-ups have continued to grow, and three months later (December 21st) there are a total of 1,008 users from the University of Cambridge on Overleaf.

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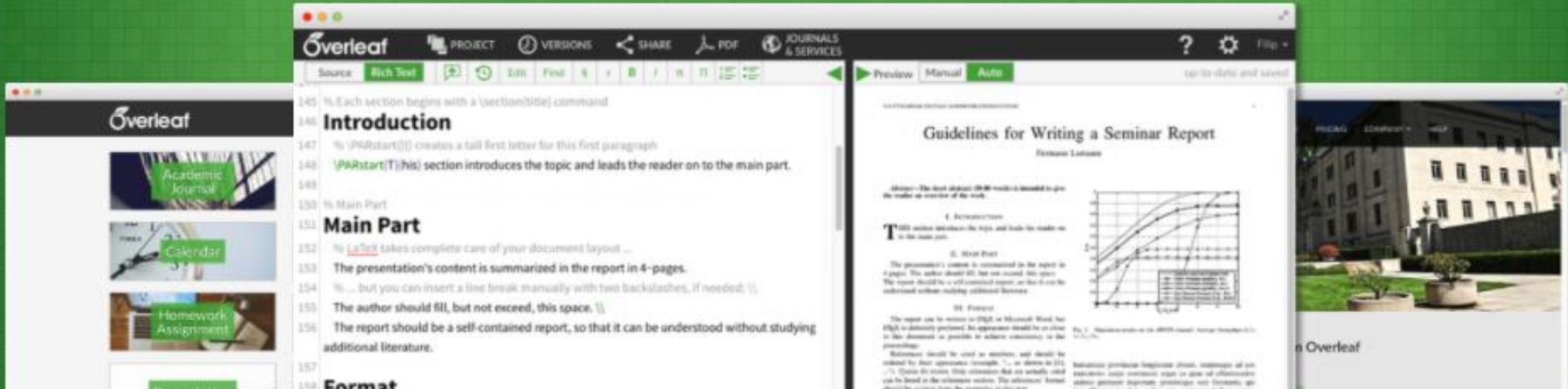
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Collaborative Writing and Publishing

Join 600,000+ authors enjoying the easiest way to create, collaborate and publish online

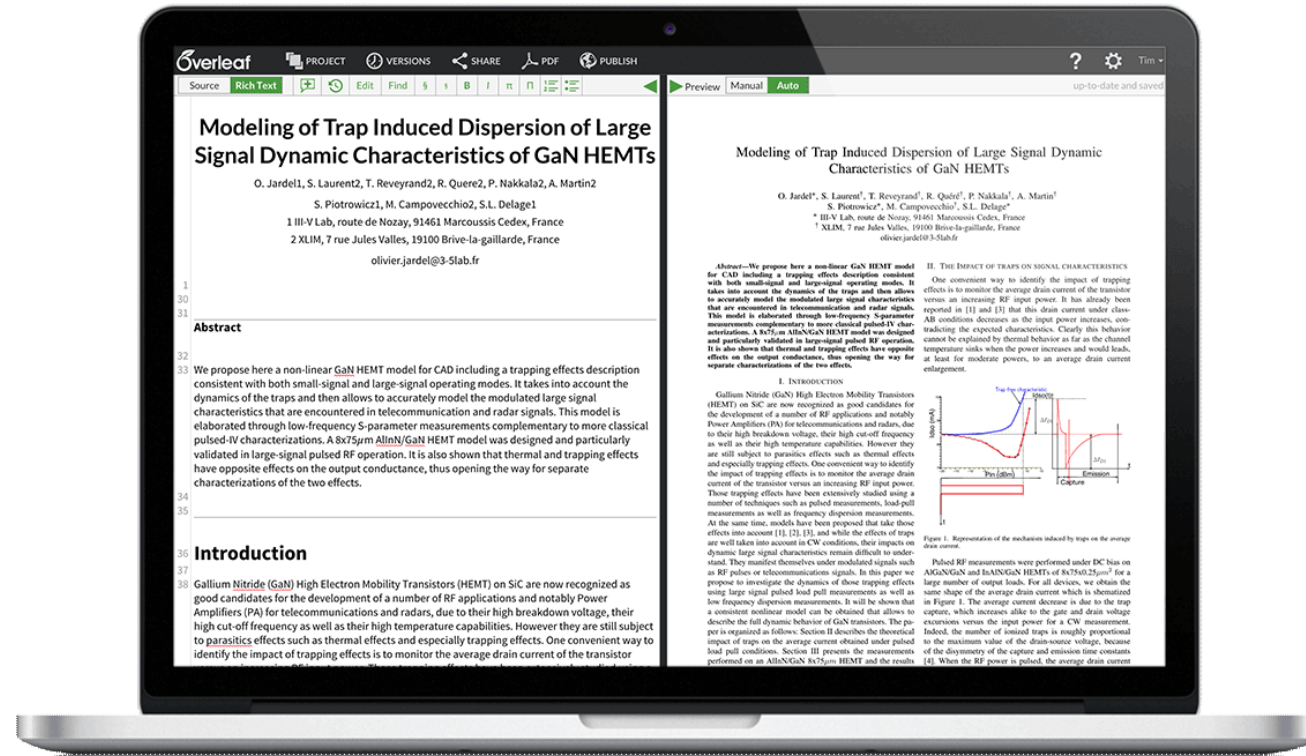
Start writing now!

CREATE A NEW PAPER



The image shows a screenshot of the Overleaf web interface. On the left, there is a sidebar with a search bar and several document thumbnails titled 'Academic Journal', 'Calendar', and 'Homework Assignment'. The main area is split into two panes. The left pane shows a LaTeX document source code with line numbers 145 to 158. It includes comments like '% Each section begins with a \section{title} command' and LaTeX commands such as `\PARstart{T}{his}` and `\LaTeX`. The right pane shows a preview of the document, titled 'Guidelines for Writing a Seminar Report' by 'Rasmus Lohse'. The preview includes a table of contents, a list of sections (Introduction, Main Part, Format), and a graph showing a curve rising from left to right. The interface has a dark green header with the Overleaf logo and navigation links, and a dark green footer with the text 'Start writing now!' and a 'CREATE A NEW PAPER' button.

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<https://www.overleaf.com>

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New Feature: Manage Shared References with Mendeley Groups

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Unlisted Protected

Basics

- MIT Haystack Observatory
- Lilliput University
- Academic Journal
- Bibliography
- Book
- Calendar
- Formal Letter
- Homework

Basics

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1. Introduction

2. New PDF Examples

3. How to Share Projects

4. How to Share Projects

MIT Haystack Observatory

06mt.znyn

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- engage the broad readership of GENETICS and be understandable to a diverse audience (avoid using jargon);
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In individual organisms where a mutant is being studied, the

Preview

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GENETICS | INVESTIGATION

Template for preparing your submission to *GENETICS* using Overleaf

Author One^{1,2}, Author Two¹, Author Three¹, Author Four³ and Author Five^{4,*}

¹ Author one affiliation, ² Author two affiliation, ³ Author three affiliation, ⁴ Author four affiliation, ^{*} Author five affiliation

ABSTRACT The abstract should be written for people who may not read the entire paper, so it must stand on its own. The impression it makes usually determines whether the reader will go on to read the article, so the abstract must be engaging, clear, and concise. In addition, the abstract may be the only part of the article that is indexed in databases, so it must accurately reflect the content of the article. A well-written abstract is the most effective way to reach intended readers, leading to more robust search, retrieval, and usage of the article. Please see additional guidelines notes on preparing your abstract below.

KEYWORDS Keyword; Keyword2; Keyword3; ...

This *Genetics* journal template is provided to help you write your work in the correct journal format. Instructions for use are provided below.

Guide to using this template in Overleaf

This template is provided to help you prepare your article for submission to the *Genetics*.

Author Affiliations

For the authors' names, indicate different affiliations with the symbols: *, †, ‡, §. After four authors, the symbols double, triple, quadruple, and so forth as required.

Your Abstract

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doi: 10.1534/genetics.XXX.XXXXX
Manuscript compiled: Monday 25th July, 2016¹⁶
¹Please insert the affiliation correspondence address and email for the corresponding author. The corresponding author should be marked with a "1" in the author list, as shown in the example.

- engage the broad readership of GENETICS and be understandable to a diverse audience (avoid using jargon);
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Authors are encouraged to:

- cite the supporting literature completely rather than select a subset of citations;
- provide important background citations, including relevant review papers (to help orient the non-specialist reader);
- to cite similar work in other organisms.

Genetics, Vol. XXX, XXXX-XXXX July 2016 1

share with your collaborators

The screenshot shows the 'Share' dialog box in Overleaf. The top navigation bar includes 'PROJECT', 'HISTORY & REVISIONS', 'SHARE' (highlighted in green), 'PDF', and 'JOURNALS & SERVICES'. The dialog box has a green header with 'Share' and a close button. It contains three main sections, each with a title, a link input field, and a description:

- Read & Edit Link:** The link is `https://www.overleaf.com/7970556rpghcyjjc cz`. Below it, it says 'Share this link with your co-authors. They can edit at the same time.' To the right, there are social media icons for email, LinkedIn, Facebook, and Twitter.
- Read Only Link:** The link is `https://www.overleaf.com/read/dnjxnstmv gm`. Below it, it says 'Share this link with anyone. They can read, but they can't edit.' with a help icon.
- Clone With Git:** The link is `https://git.overleaf.com/7970556rpghcyjjc cz`. Below it, it says 'You can git clone your project using the link displayed above.' with a help icon.

Below these sections is a 'More Sharing Options' section with two items:

- Make this a protected project** (with a lock icon): 'This will make the project accessible only to those you invite by email address.'
- Visit your teams dashboard to publish as assignment** (with a document icon).

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1 \documentclass[9pt,twocolumn,twoside]{gsajnl}

2 % Use the documentclass option 'lineno' to view line numbers

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4 \articletype{inv} % *article type*

5 % {*inv*} *Investigation*

6 % {*gs*} *Genomic Selection*

7 % {*goi*} *Genetics of Immunity*

8 % {*gos*} *Genetics of Sex*

9 % {*mp*} *Multiparental Populations*

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11 \title{Template for preparing your submission to

12 \textit{GENETICS} using Overleaf}

13 \author[*\$\ast\$*,1]{Author One}

14 \author[*\$\dagger\$*]{Author Two}

15 \author[*\$\ddagger\$*]{Author Three}

16 \author[*\$\S\$*]{Author Four}

17 \author[*\$\ast\ast\$*]{Author Five}

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27 \runningtitle{GENETICS Journal Template on Overleaf} % *For*

28 *use in the footer*

29 \correspondingauthor{Corresponding Author}

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31 \begin{abstract}

32 The abstract should be written for people who may not read

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Template for preparing your submission to *GENETICS* using Overleaf

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doi: 10.1534/genetics.XXX.XXXXXX
Manuscript compiled: Monday 25th July, 2016
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Mary Anne Baynes about a minute ago:

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63 For the authors' names, indicate with the symbols: *, †, ‡, §. After four authors, the symbols double, triple, quadruple, and so forth as required. This is new text. I'm adding it to show how next text looks in compare mode.

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- begin with the broad context of the study, followed by specific background for the study;

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\title[Overleaf Beamer] % [] is optional – is placed on the bottom of the sidebar on every slide
{A **Test** Overleaf-themed Presentation Deck with Markdown}

\subtitle{Modified from the Feather Beamer Theme}
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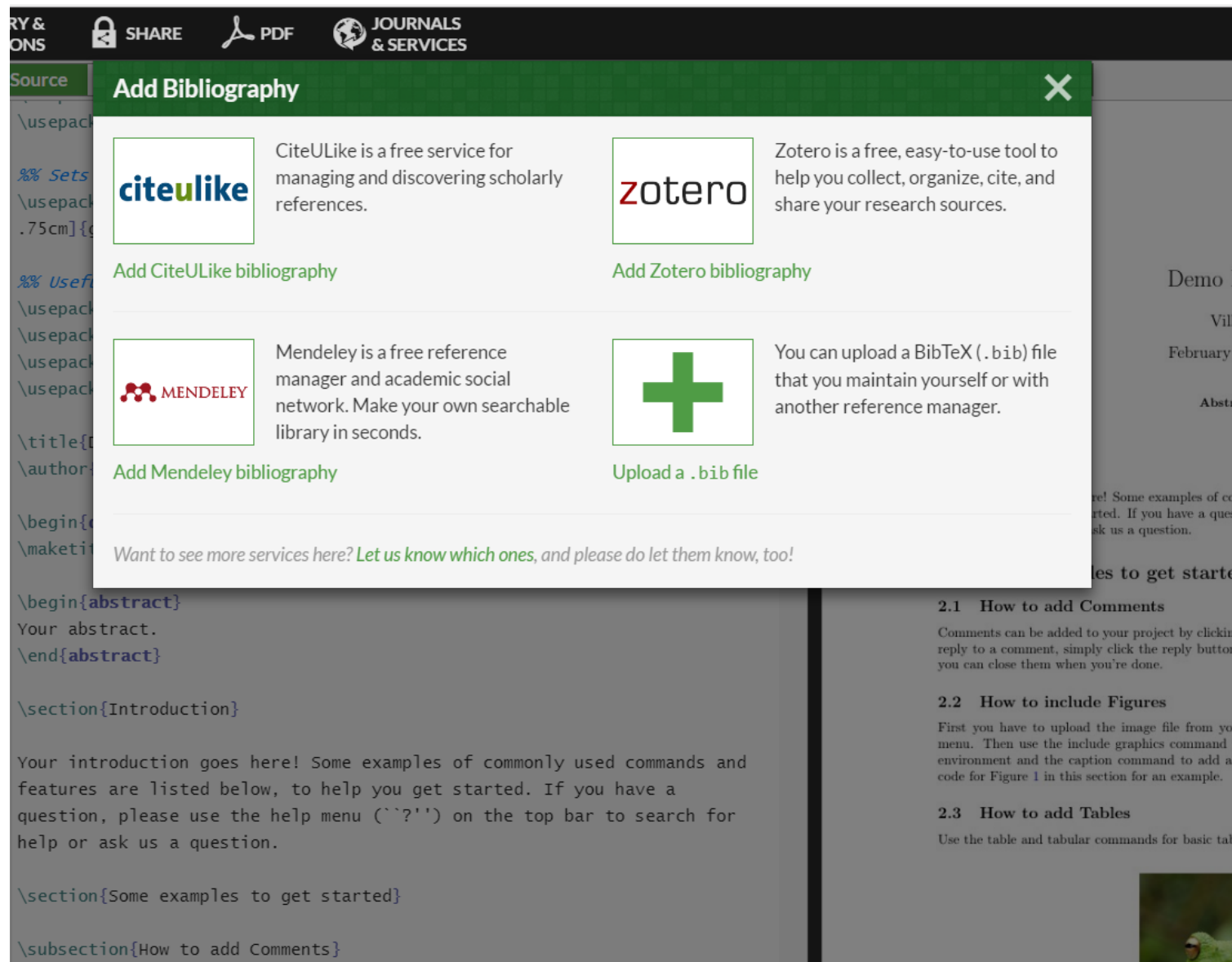
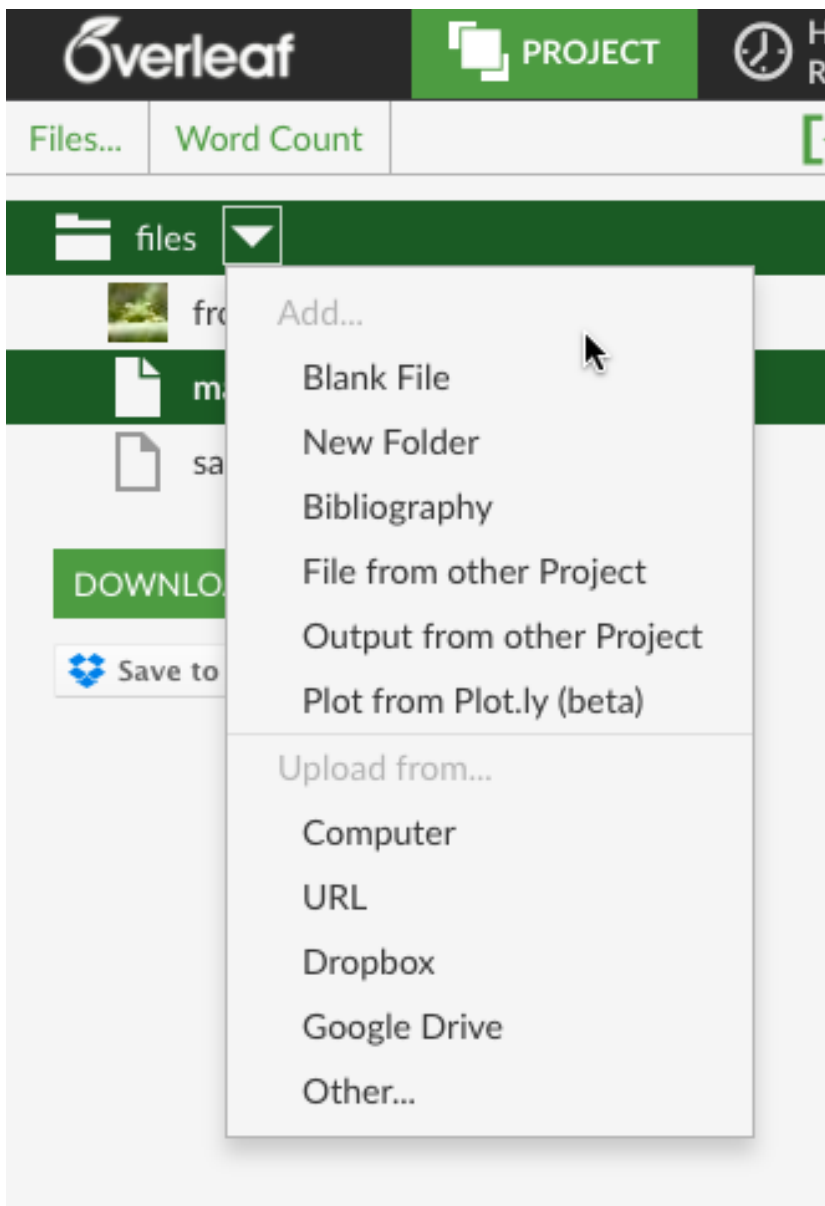
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Zotero

Import your Zotero bibliography into your Overleaf projects with one click.

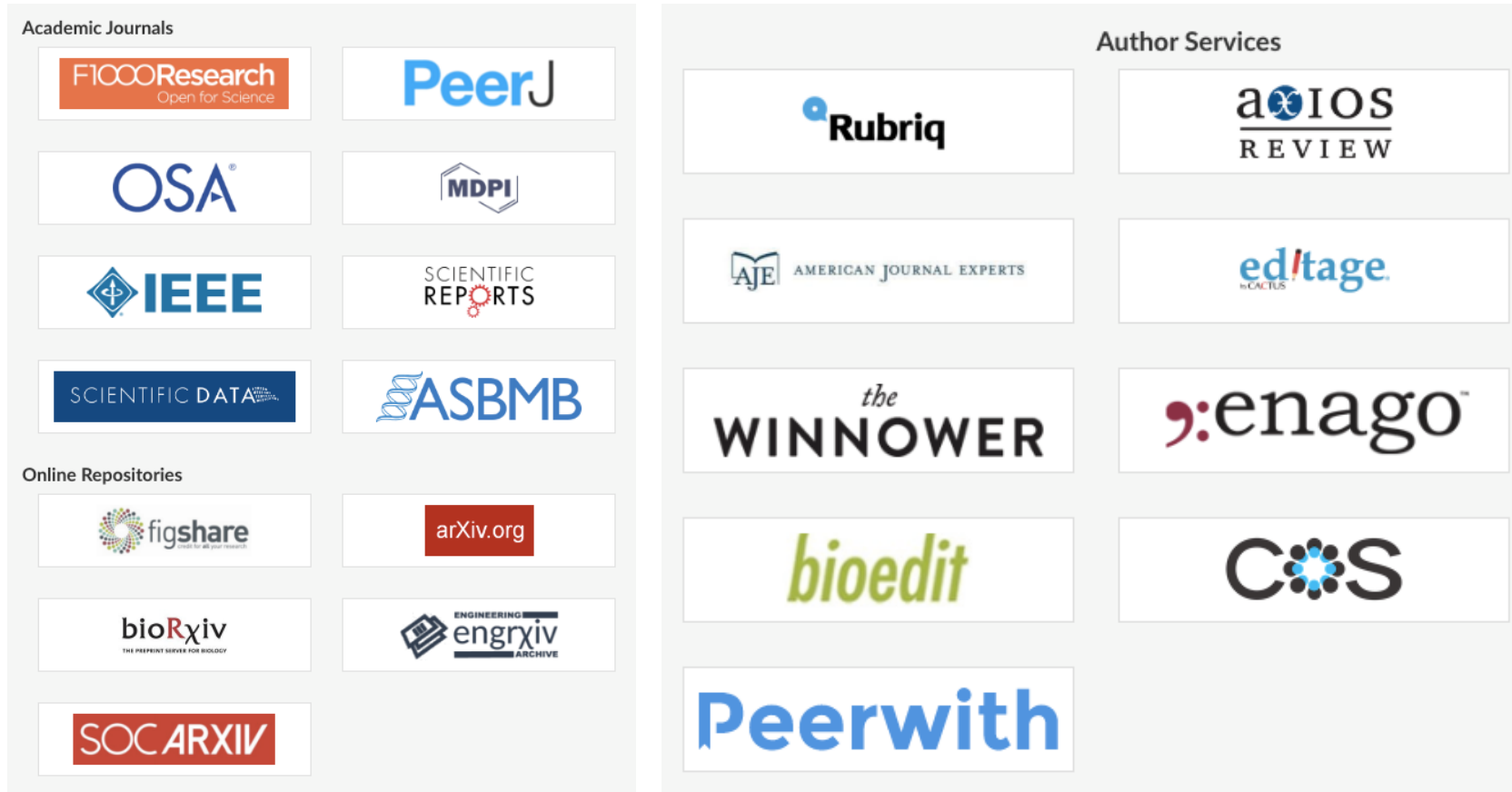
[LINK](#)

Mendeley

Import your Mendeley bibliography into your Overleaf projects with one click.

[unlink](#)

Multiple integrations & partnerships

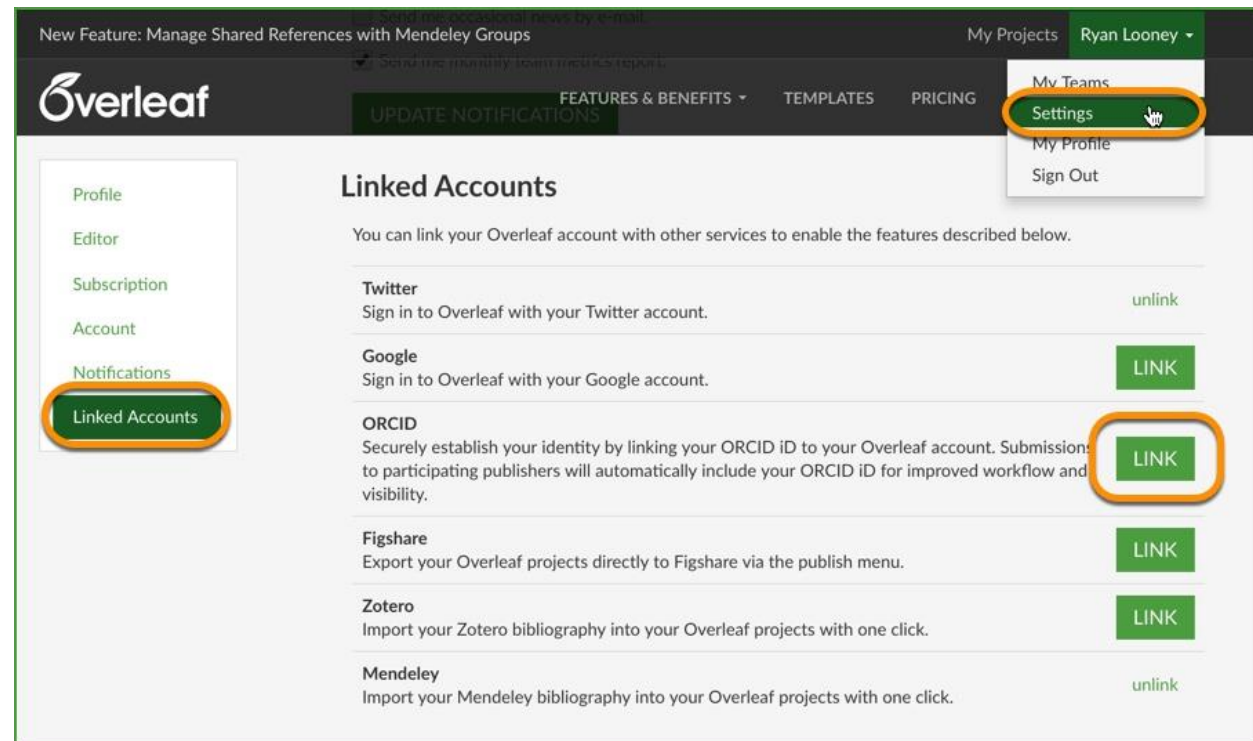


Integration with ORCID iD

Securely establish your identity by linking your ORCID iD to your Overleaf account.

Read more about this integration here:

<https://www.overleaf.com/blog/434-now-available-link-your-orcid-id-to-your-overleaf-account#>



Resources & Help

- Free Introduction to LaTeX [View](#)
- Linking to your Mendeley Account [View](#)
- Working Offline with GIT [View](#)

See also:

- How to create plots and figures with Plot.ly and import them into your Overleaf projects [View](#)
- How to publish your projects on Figshare to get an instant DOI [View](#)
- How to import your references from Zotero and CiteULike [View](#)
- How to setup an auto-backup using Overleaf → Dropbox → BitBucket (external) [View](#)

www.overleaf.com/help
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Tips from the blog XI: Overleaf

By quantixed on January 24, 2017

I was recently an external examiner for a PhD viva in Cambridge. As we were wrapping up, I asked "if you were to do it all again, what would you do differently?". It's one of my stock questions and normally the candidate says "oh I'd do it so much quicker!" or something similar. However, this time I got a surprise. "I would write my thesis in LaTeX!", was the reply.

As a recent convert to LaTeX I could see where she was coming from. The last couple of manuscripts I have written were done in [Overleaf](#) and have been a breeze. This post is my summary of the site.



I have written ~40 manuscripts and countless other documents using Microsoft Word for Mac, with EndNote as a reference manager (although I have had some failed attempts to break free of that). I'd tried and failed to start using TeX last year, motivated by seeing nicely formatted preprints appearing online. A few months ago I had a [new manuscript](#) to write with a significant mathematical modelling component and I realised that now was the chance to make the switch. Not least because my collaborator said "if we are going to write this paper in Word, I wouldn't know where to start".

I signed up for an Overleaf account. For those that don't know, Overleaf is an online TeX



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