SYMPLECTIC

An Introduction to Elements

Daryl Naylor Product Sales Manager

d.naylor@digital-science.com

Who are Symplectic?

- We are a UK based software development and service company serving researchers and research administration.
- We specialise in integrating systems, data and institutional platforms.

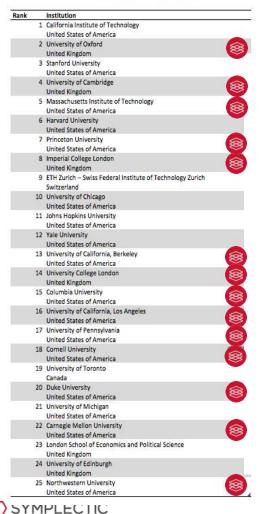
- We work in partnership with our clients to develop new features.
- We are vendor, open source community and data source agnostic



Preferred by high-prestige institutions



World University Rankings 2015-16



56%

14 of the top 25 universities worldwide now use Elements

Some of our more recent clients include:

Massachusetts Institute of Technology









Carnegie Mellon University

Elements: a Research Information Management System

An implemented or hosted system which supports the automated capture, linking and reporting on of research and teaching activities at your institution:

- Person data
- Research Outputs and Datasets
- Grants
- Professional & teaching activities
- Equipment
- & more...

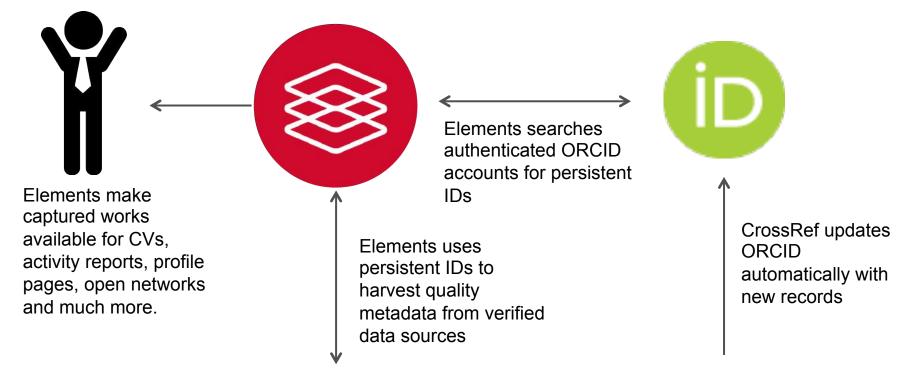
A means of populating institutional repositories.



We lead in automated harvesting across the disciplines



Other integrations include ORCID





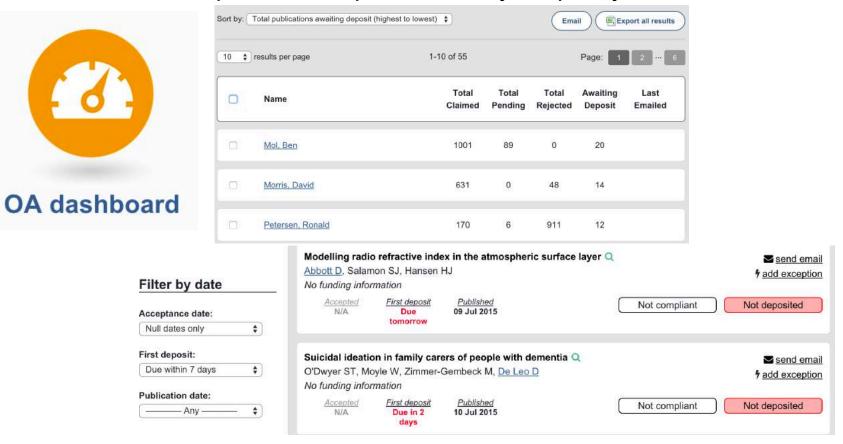
Digital Repository Support

Elements supports the population of institutional digital repositories. The automatic detection of files elsewhere on the web helps reduce the burden placed on academics.



Open Access policy support

- Define your own OA policy
- Monitor and report on compliance with your policy



Capture Impact

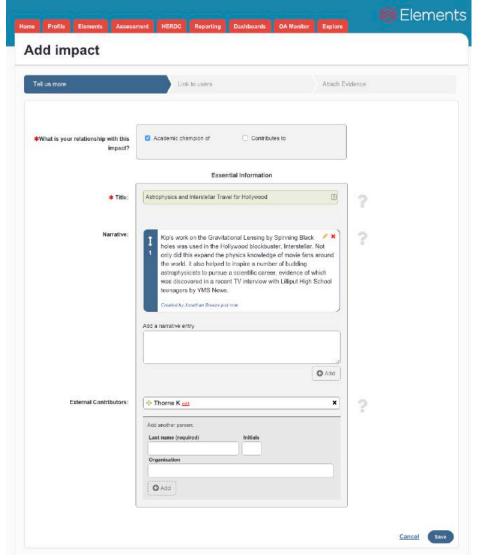
Capture short records of impact, including an emerging narrative

Link records of impact to other users, publications, grants and even other impacts.

Associate files/URLs/contacts with 'Impacts' as supporting evidence

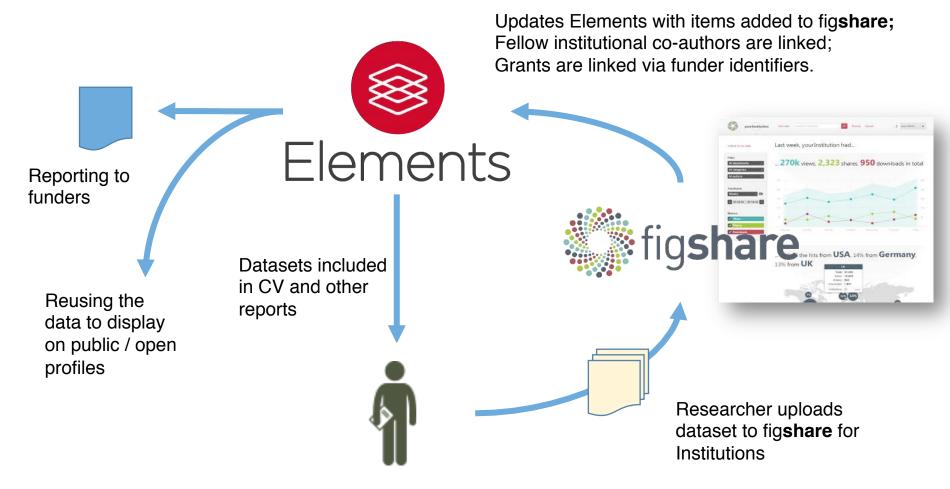
Optionally create your own labels to categorise records of impact

 Select impact records in Assessment module



Support of research data

Symplectic have partnered with fig**share** to provide a single point of entry for academics to deposit both research data and their full text.



Interactive dashboards provide instant and flexible reporting options

Summary of Research Activity D Select Department and Year (s) Research Output Types Chapter Conference Journal article Patent Lilliput Department of Chemistry • Count 400 1 (All) 300 Publication 200 Grant History 100 Grant Count Average Grant Value 2007 2008 2009 2010 2011 2012 2013 2014 1.6M 8 £1.46M Departmental Journal Publishing Patterns by Rank 7.5 1.5M Ð School of Engineering **Business School** School of Medicine 7 1.4M 1.8K 800 6.5 1.3M 1.6H 700 6 1.2M 1.48 800 Col 50 8 1.2K 5.5 1.1M 5 500 Output Outpi īΚ ĉ ann AVe G 0.8K 5 1M -30 300 Grant Count 0.6K age 0.9M 4.5 200 Grant 100 0.2 0.8M 4 £717K 2005 2008 2013 2013 2005 3.5 Value 627k 0.7M 1999 2003 2007 2011 2016 2003 2007 2011 2015 1999 2003 2007 2011 201 3 0.6M Centre of Research Excellence School of Physical Sciences School of Biological and Env. Science P465 2.5 £420K 0.5M 455 1.65 400 400 1.49 0.4M 2 Count 350 1.28 Court 300 Cost 1.5 0.3M ann tput 18 Indt 250 tput 260 £165K õ õ 0.8K õ 200 0.2M 1 200 5 0.5% 160 150 0.1M 0.5 n OM 2007 2008 2009 2010 2011 2012 2013 2005 2009 2013 2001 2005 2009 2013 2005

1991 1995 1999 2003 2007 2011 2015

1987 1991 1995 1999 2003 2007 2011 2015

1963 1987

1991 1995 1999 2003 2007 2011 2015

1983

Symplectic hosting services

Why should you consider this?

- Significantly reduced implementation schedule
- Peace of mind. Let the team who know the product best worry about keeping it online and backed up
- Upgrades done for you, new features tested and deployed earlier
- No need to maintain server infrastructure and Microsoft licences
- \circ $\,$ No loss of features versus locally hosted solution

But what about the data?

 All data entered into any instance of Elements, whether hosted by us or by you <u>belongs to you.</u> Symplectic does not access or use your data for any purpose other than the provision of support

The only difference is the cost of hosting



÷



Sample pages of Elements for the researcher

@symplectic
symplectic.co.uk

An example of a users home page

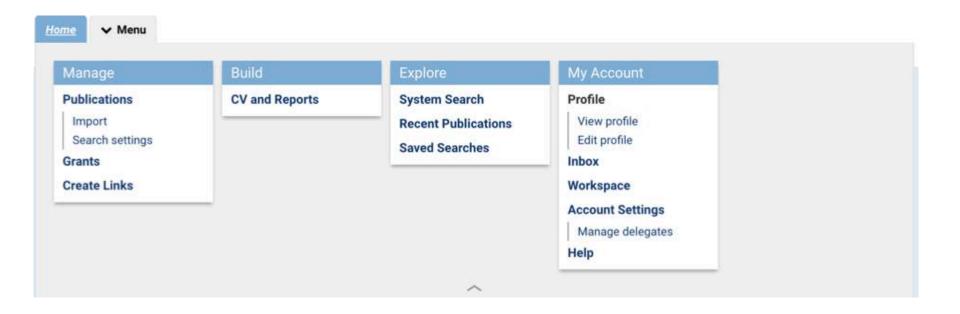
My Actions (10) Add your © ORCiD to help us find your publications across the web There are 36 publications for you to claim or reject 34 files were found online for 34 of your publications Record evidence of the impact of your work Add your © figshare details to help us automatically find and link your datasets You have 135 publications awaiting a file upload or deposit

My Summary



| 🍄 0 records of impact | + add |
|---|-------|
| You have no records of impact yet. | |
| 44 professional activities | + add |
| 6 honours / awards | |
| 8 committee memberships | |
| 6 editorships | |
| 12 Named lectures | |
| 11 distinctions | |
| | |
| and 1 more professional activity, of 1 type | |
| and 1 more professional activity, of 1 type 10 teaching activities | + add |
| | + add |
| 🗊 10 teaching activities | + add |

An academic user can import publications, control their search settings for harvested publications, create a CV, explore data in the system, view and edit their profile and manage their settings



Local and system administrators have greater privileges, according to role assignment that you control



Publications

Roles

Publication Types

> Menu

Underlying Fields

Display of Types on the Home Page

Display of Citation Information

Display of Journal Statistics

Emails

Notification email Reminder email Grants Roles

Research Admin

Grant Settings

Grant Types

Underlying Fields

rojects

Projects

Roles

Project Types

Underlying Fields

Professional Activities

✓ Module Admin

Roles

Professional Activity Settings

Professional Activity Types

Underlying Fields

Display of Types on the Home Page

Teaching Activities

Roles

Teaching Activity Settings

Teaching Activity Types

Underlying Fields

Display of Types on the Home Page Equipment

> System Admin

Equipment

Roles

Equipment Types

Underlying Fields

Organisational Structures

Organisational Structures

Roles

Records of Impact

Roles

Assessment

Exercise definitions

Dashboards

Manage Dashboards

Register new dashboard

OA Monitor

OA Monitor Settings

Emails

Deposit reminder email

Repository Tools

Repository Connection

File versions

Licences

Deposit Advice

OA Policy Settings

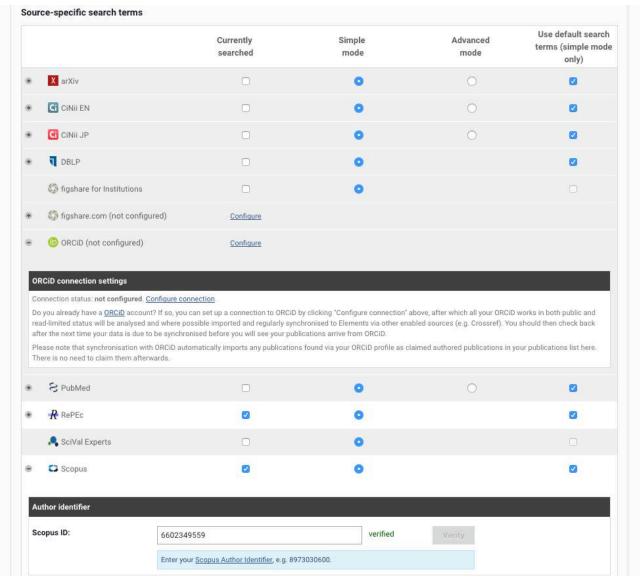
RoMEO Precedence

| Users | Operations | Data | Manage API | Setup |
|---|---|---|--|--|
| Jsers Add a new user Manage users and user feed Add or edit user fields User profile field settings Customise HR email Jser Groups Manage System Roles Module Access | Administration Dashboard System log Search errors Login Page Announcements Home Page Actions Scheduled Jobs Search Index Management Reporting Synchronisation User Sync Queues Registered Reports Register a new report | Data Source Management Publications Data Search Default search terms Default data sources Bulk enable or disable user searches Label Schemes Add a new label scheme Manage Journals Manage Link Types | API Configuration API Endpoints API Accounts | Licence Global Settings Customise brandin Update logo library Authenticating Authorities Add authenticating authority Email Configuration Send test email Unsent emails Google Analytics OpenURL Base URL Help Page Content Log Truncation |

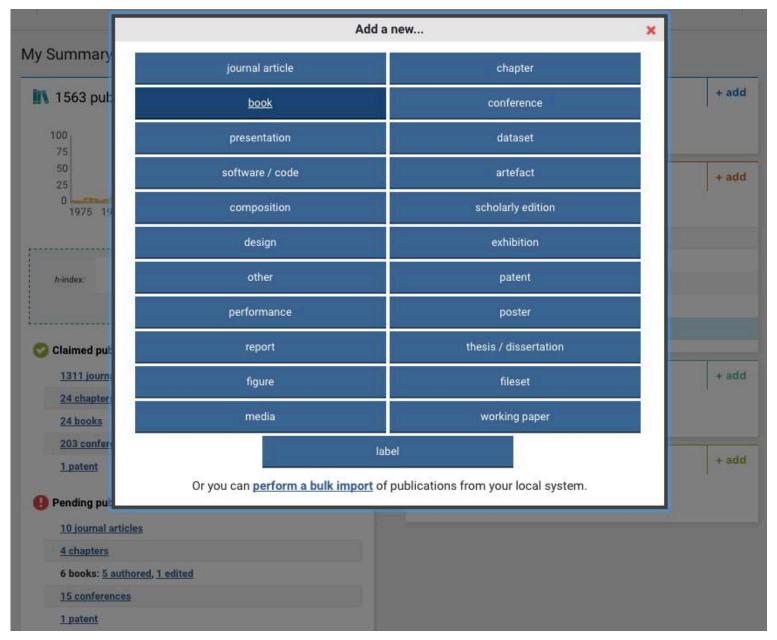
A user can configure the search terms used to interrogate bibliographic data sources

| Ay default search terms | í | |
|-------------------------|--|---|
| lame variants: * | | C |
| last name first) | Brade, I. | 8 |
| | Use the format "Smith, A. G.", This format clearly distinguishes your last name and each of your initials. Add all combinations and initials under which you publish. The system will then convert the supplied name to the exact formats best required wher data source. Do not use the format "Andrew Smith" or "AG Smith". Always write your last name first, followed by a comma. If a name variant is only used by one online database, you can customise this setting in the relevant section of this page. | |
| ddresses: | | C |
| | Isolde Brade has not supplied any addresses. | |
| | C Switch to advanced view | |
| | Add keywords associated with previous institutions, or those with which you collaborate. | |
| tart date: | | |
| | The date should be in one of the following formats: | |
| | 14 Mar 2001 (dd MMM yyyy) Mar 2001 (MMM yyyy) | |
| | 2001 (yyyy) | |
| eywords: | | C |
| | Isolde Brade has not supplied any keywords. | |
| | Switch to advanced view | |
| ournals: | | C |
| | Isolde Brade has not supplied any journals. | |
| | | |

A user can manage which databases to harvest data from, and make specific configurations such as ORCiD and database IDs such as Scopus and ResearcherID



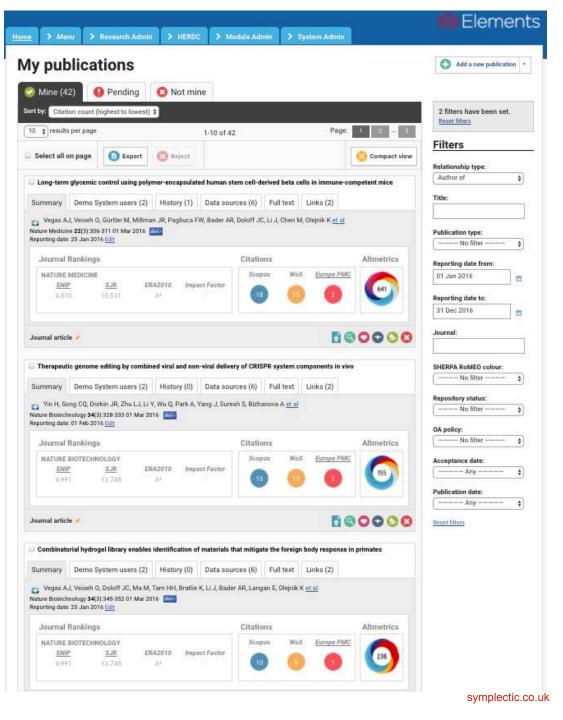
A user can manually add outputs from a configurable list



Or do a bulk import of publication data

| Home > Menu > | Research Admin > HERDC > Module Admin > System Admin |
|-------------------------|---|
| Import | |
| Upload | 0 |
| Please note that BibTeX | ck on the upload button to start the import process. (Import does not support block commenting. All well-formed entries will be imported from an uploaded BibTeX file. |
| File: | Choose file No file chosen |
| File type: | Reference Manager/EndNote BibTeX |
| | Upload |
| | |
| | |
| | |

An example of a list of outputs, with filtering and sorting options

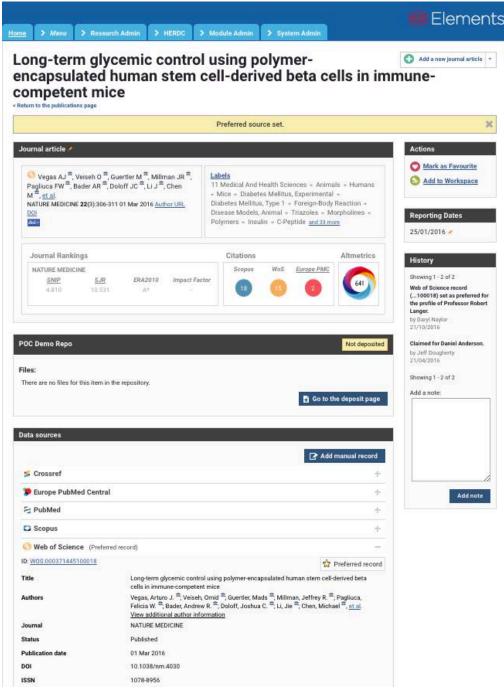


A more detailed look at one of the outputs

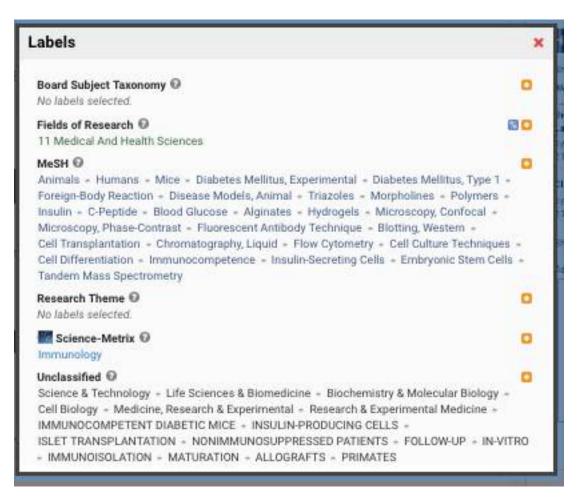
All sources of metadata are automatically harvested and disambiguated, then stored independently to maintain integrity

Labels can be used for tagging and are automatically assigned

Outputs are deposited directly from Elements into the repository



Labeling schemae can be used for controlled vocabulary searching and tagging



Links can be created at the record level between various entities

| ks to users and other Elements (2) | | Create links |
|--|----------|-------------------------|
| | | Publication |
| Users | | Grant |
| Authored by ANDERSON, Daniel G | 🥜 Edit 🗙 | Professional Activity |
| Authored by LANGER, Robert S | 🥜 Edit | Organisational Structur |
| elate Demo System users to this publication | | Project Equipment |
| Add a user by typing their name in the textbox below (type their su then, select the relationship type and click on the add button ($m{O}$) bublication. | | Teaching Activity |
| | | Impact |

Create links

< Return to the previous page

| Create links between | | and | |
|---|--|--|---|
| Publications | Grants | O Publications | Grants |
| Professional activities | Organisational structures | Professional activities | Organisational structures |
| Projects | Pieces of equipment | O Projects | Pieces of equipment |
| Teaching activities | Records of impact | Teaching activities | Records of impact |
| Publications | | S Grants | |
| You are currently defining links | for a single publication. <u>Click here</u> to use | Current filters: | |
| filters instead. | | Linked to: Professor Rober | Change |
| | | Date range: from 21/10/2011 | |
| /ou specified 1 item: | |] | |
| Select all / Clear all | | We've found 8 matching rest | ults: |
| Long-term glycemic control | using polymer-encapsulated human stem cell- | Select all / Clear all | |
| derived beta cells in immune-co | | Controlled Release of Mac | cromolecules View Q |
| Existing links (both to users) | | Existing links (1 to a user) | |
| | | Novel Polymers for Tissue | |
| Or you could | Add a new publication | Existing links (1 to a user) | |
| | | Microchip Drug Delivery S | vstem View Q |
| | | Existing links (1 to a user) | |
| | | 🗐 High-Throughput Craniofa | cial tissue engineering View 🔍 |
| | | Existing links (1 to a user) | |
| | | Expanding the Clinical Util | ity of Ultrasound-Assisted Transdermal Drug |
| | | Delivery View Q | |
| | | Existing links (1 to a user) | |
| | | Or you could | |
| | | | Add a new grant |
| | | | |
| You have selected to link: | | | |
| Long-term glycemic contro | l using polymer-encapsulated human stem ce | ll-derived beta cells in immune-co | ompetent mice with |
| | | | 3 |
| - Novel Polymers for Tis | sue Engineering | | |
| 21) | | | |
| | | | Create one new link |

A user can deposit their output directly from Elements into your repository

Deposit journal article

< Return to the publication page

This publication has not been deposited.

Lilliput University has an Open Access Policy for all Journal Article and Conference Papers accepted for publication since 1/1/2013.

When deposited your publication is available online in "Your Repository" and you can share the URL to promote your work.

Alternatively you can tell us where your publication is publicly available in another open access repository by entering the URL to the OA location. If you have any questions, please contact your repository administrator.

Long-term glycemic control using polymer-encapsulated human stem cell-derived beta cells in immunecompetent mice

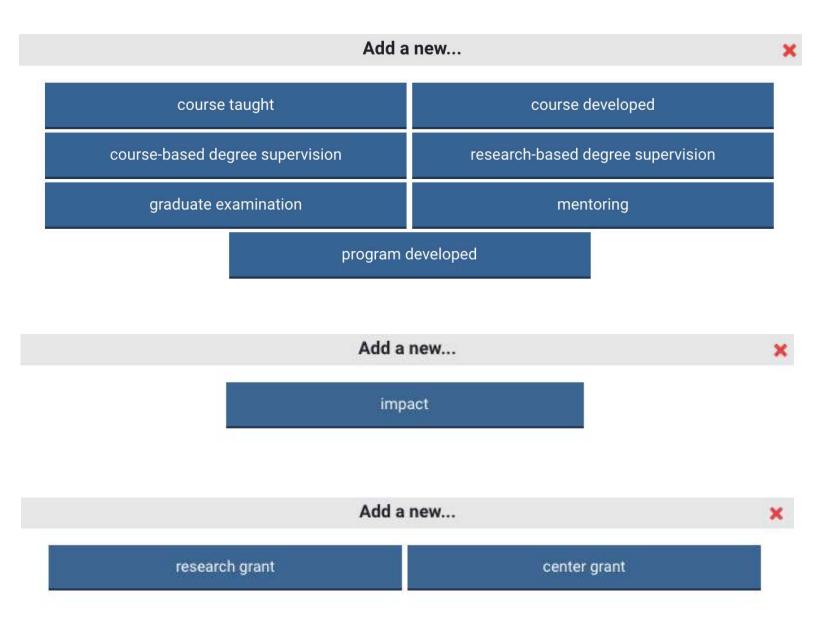
| Institutional advice SHERPA / RoMEO advice | Upload file | Enter an OA location | Set an exception |
|--|------------------------|---------------------------------|-------------------------------------|
| For NATURE MEDICINE: | 1 file found | | |
| Author <u>can</u> archive submitted version (i.e. pre-refereeing). Author <u>can</u> archive accepted version (i.e. final draft post- | Elements has found | 1 external file available for d | <u>Close secti</u> irect upload: |
| refereeing), subject to the following restrictions: | Long-term glyc | emic control using polymer- | encapsulated |
| 6 months embargo | human stem co | ell-derived beta cells in immu | ine-competent |
| X Author cannot archive publisher's version / PDF. | mice.pdf on Eu | rope PubMed Central | -447 5.5 |
| Conditions: | | | Use this file |
| Authors retain copyright | | | |
| Author's pre-print on arXiv or bioRXiv | | | |
| Author's post-print on author's personal website, institutional repository, PubMed Central or funding body's archive | | or | 20.000 40 0 000 |
| Published source must be acknowledged | Alternatively, you car | n upload files from your local | machine: |
| Must link to publisher version with DOI | Choose file: Choo | se file No file chosen | |
| Publisher's version/PDF cannot be used | Choose file: Choo | se file INO file chosen | |
| Copyright: View Pre-publication policy, License to Publish and | | | |
| Manuscript Deposition Service | | | Upload |
| Published by: Nature Publishing Group | | | |
| | | | |

Vegas AJ, Veiseh O, Guertler M, Millman JR, Pagliuca FW, et al., NATURE MEDICINE, 2016

A user can add esteem measures and other professional activities from a configurable list on their home page

| Add a | a new | |
|-----------------------------------|---------------------------------|--|
| honour / award | professional/society membership | |
| invited lecture | conference presentation/panel | |
| committee membership | editorship | |
| journal reviewing / refereeing | grant application assessment | |
| consulting / advisory | community service | |
| promotion / tenure assessment | board membership | |
| conference reviewing / refereeing | institutional review | |
| editorial | expert witness | |
| office held | employee supervision | |
| event administration | event participation | |
| broadcast interview | text interview | |
| fellowship | Named lecture | |
| conference | distinction | |
| copy of broad | lcast interview | |

As well as teaching activities, impacts and grants



An example of a profile page, from where a CV can be generated

Professor Deborah Davis

| | Professor Deborah Davis | External profiles |
|----|---|--|
| 17 | Lilliput Department of Clinical Medicine ddavis@lilliput.edu 02 6201 5422 | Google Scholar ResearchGate Scopus |
| | | ≓ Links |
| | | emi LINKS |

Edit profile

CV and Reports

S Find a colleague

Last name (e.g. Smith)

Overview

Deborah has worked as a privately practicing midwife in Australia and New Zealand providing care to women choosing both home and hospital births. She has many years experience teaching in undergraduate (Bachelor of Midwifery) and postgraduate midwifery programs including the supervision of Higher Degree by Research students. She is active in the profession of midwifery, serving as Director on the National Board of the Australian College of Midwives from 2011 to current.

Research Areas @

Medicine, Nursing and Health Curriculum and Pedagogy Midwifery Social Policy

Experience

Academic appointments

Professor of Midwifery, Faculty of Health, University of Canberra, 2010 - present

Non-academic employment

Vice President, Australian College of Midwives, 2014 - present Director, National Board of the Australian College of Midwives, 2011 - present

Education

Degrees

PhD, University of Technology, Sydney, Australia Master of Nursing, Deakin University, Australia Batchelor of Nursing, Deakin University, Australia

Certifications

Australian Nursing Association, Registered Midwife

Addresses

Websites

ORCID

University Address

Google Scholar

Research Gate

SYMPLECTIC

N Publications