Introducing Pure hosted edition

A ready-to-use, centralized research networking and expertise discovery system

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Belgrade 23rd January 2015.
3 Key goals of researchers and their institutions

The volume of research and the related information is constantly increasing. Researchers and their institutions need to:

- **Attract** ever more competitive funding grants
- **Identify** the right research collaboration partners to remain competitive for both funding grants and when producing high impact research
- **Report and promote** research success and expertise
Research project grant success rates are declining

- In the US, the overall success rate for competing research project grants (RPGs) has declined from 21% in 2010 to **16.8% in 2013**
- In the UK, ERC Advanced grants success declined from 13.8% in 2010 to **12.3% in 2013**
- In Australia, the NHMRC grant success declined from 23.6% in 2010 to **17.9% in 2013**

Data sources:
3 Key goals of researchers and their institutions

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- **Report and promote** research success and expertise
[insert customer name] collaboration overview

- Publication citations increase with international and academic-corporate collaboration

**Collaboration**

<table>
<thead>
<tr>
<th>Type</th>
<th>Percentage</th>
<th>Description</th>
<th>Citations per Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>International collaboration</td>
<td>53.3%</td>
<td>25,891 publications (53.3%) were co-authored with Institutions in other countries</td>
<td>15.6</td>
</tr>
<tr>
<td>National collaboration</td>
<td>15.4%</td>
<td>7,462 publications (15.4%) were co-authored with other Institutions in the United Kingdom, but not with Institutions in other countries</td>
<td>9.5</td>
</tr>
<tr>
<td>Institutional collaboration</td>
<td>17.1%</td>
<td>8,285 publications (17.1%) were co-authored with others at the University of Oxford, but not with other Institutions</td>
<td>9.2</td>
</tr>
<tr>
<td>Single authorship</td>
<td>14.2%</td>
<td>6,903 publications (14.2%) were not co-authored but had a single author</td>
<td>3.3</td>
</tr>
</tbody>
</table>

**Academic-Corporate Collaboration**

<table>
<thead>
<tr>
<th>Type</th>
<th>Percentage</th>
<th>Description</th>
<th>Citations per Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic-corporate collaboration</td>
<td>3.1%</td>
<td>1,507 publications (3.1%) had one or more authors with both academic and corporate affiliation</td>
<td>27.3</td>
</tr>
<tr>
<td>No academic-corporate collaboration</td>
<td>96.9%</td>
<td>47,034 publications (96.9%) did not have authors with both academic and corporate affiliation</td>
<td>11.3</td>
</tr>
</tbody>
</table>

Source: SciVal 2014
[insert customer name] global collaboration network

Source: SciVal 2014
3 Key goals of researchers and their institutions

The volume of research and the related information is constantly increasing. Researchers and their institutions need to:

- **Attract** ever more competitive funding grants
- **Identify** the right research collaboration partners to remain competitive for both funding grants and when producing high impact research
- **Report and promote** research success and expertise
Organizations need to report and promote research success and expertise

Internal and external assessment exercises require comprehensive, trusted, validated data about your researchers, necessary for strategic, evidence based decisions.

Creating, populating and maintaining such a centrally managed system can be costly and time consuming when done in-house.
Our solution: Pure, part of the Elsevier Research Intelligence portfolio

What we offer

**SciVal** (External View)
Ready-to-use tools to analyze the world of research, and to establish, execute and evaluate optimized strategies for the research organization.

**Pure** (Internal View)
Comprehensive research information management system to enable evidence-based decisions, promote collaboration, simplify administration and optimize impact.

Modules:
- Overview
- Benchmarking
- Collaboration
- Funding

**Analytical Services**
Customized analysis, reports and services.

- Analytical Report Services
- Data Integration Services
- Reviewer Finder
- Custom Solution for Funders
- Scopus Custom Data
- Author Profile Refinement Services
- Fingerprint Engine

**COMPLEMENTARY TOOLS AND RESOURCES**

**Scopus**
The largest abstract and citation database of peer-reviewed literature; the broadest source of global, relevant scientific research, with tools that track, analyze and visualize research.

**Mendeley**
A free reference manager and academic social network that can help organize research, collaborate with others online, and discover the latest research, as well as other meaningful trends in global research activity.

What we support

**ENABLE RESEARCH**
- Develop Strategy
- Identify/Recruit Researchers
- Secure Funding

**CONDUCT RESEARCH**
- Search, Discovery, Read, Review
- Collaborate, Network
- Experiment

**SHARE RESEARCH**
- Manage Data
- Publish, Disseminate
- Commercialize
- Promote

Who we support

- Research Institutions
- Funders
- Policy makers

- Provosts
- Vice Chancellors
- Research Administrators/Development Professionals
- Researchers
- Research Managers
- Department Heads
- Librarians
- Students
- Communications Professionals
- Technology Transfer Officers
- Grant Managers
- Legislators
- Economic Development Officers
Introducing Pure

Pure provides a hosted, ready-to-use, centralized research networking and expertise discovery system that can:

- **Capture** and structure your researcher’s CV data
- **Identify** funding opportunities, expertise and collaborative partners within your institution and across organisations using the Elsevier Fingerprint Engine™
- **Report** on the reliable, validated content captured in Pure
- **Analyze** the progress of your research teams or departments
- **Showcase** your researcher’s accomplishments to both the internal and external research communities via the Pure Experts Portal and flexible CV creation capabilities

All whilst ensuring a **minimal administrative burden** to both research and faculty staff
Flexible configuration options - Pure hosted edition

- Funding Discovery module
- Reporting module
- Import module
- CV module

### Hosted

<table>
<thead>
<tr>
<th>Product Components</th>
<th>Hosted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experts Portal</td>
<td>Yes</td>
</tr>
<tr>
<td>Portal customization</td>
<td>Optional</td>
</tr>
<tr>
<td>Integration Services</td>
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<tr>
<td>Administration</td>
<td>Yes</td>
</tr>
<tr>
<td>Reporting</td>
<td>Optional</td>
</tr>
<tr>
<td>Import</td>
<td>Optional</td>
</tr>
<tr>
<td>CV</td>
<td>Optional</td>
</tr>
<tr>
<td>Funding Discovery</td>
<td>Optional</td>
</tr>
</tbody>
</table>

### Data input options

- PRS
- Manual input: Yes
- Online Sources: Optional
What is done where

### Pure modules
Internal access only (login)

- Create, read, update and delete tasks
- Import content
- Create **reports** and dashboards and distribute them
- View and analyze collaboration networks
- Set targets and monitor progress
- **CV** management and creation
- **Funding discovery** and monitor
- Workflow management
- User roles and permissions
- Merge and deduplication
- Confidentiality

### Pure Experts Portal
Internal and external access

- Researcher and departmental showcasing
- Identify researchers with specific subject expertise
- View person and institution collaboration networks
- Search for expertise across multiple institutions
Capture

Capture
and structure
your researcher’s
CV data

Identify
funding opportunities, expertise and collaborative partners within your institution and across organisations using the Elsevier Fingerprint Engine™

Report
on the reliable, validated content captured in Pure

Analyze
the progress of your research teams or departments

Showcase
your researcher’s accomplishments to both the internal and external research communities via the Pure Experts Portal and flexible CV creation capabilities
Data captured from multiple channels

- Pre-populated with deep publications from Elsevier’s Scopus, all with minimal implementation and maintenance requirements from the customer
Profile Refinement Service (PRS)

What is PRS?
- A unique offering from Elsevier
- Pre-populated researcher profiles with publications from Scopus
- A team manually assigns articles to a researcher’s profile
- New publications are added automatically

Why PRS?
- Scopus has rich metadata for better reporting and network visualizations
- Trust the profiles are accurate and complete
- PRS is fed back to Scopus.com
- Your Pure system contains current, comprehensive publication information in it from launch

Complete profiles with the least amount of effort possible
About Scopus®

- The largest abstract and citation database of research information
- **20,912** active titles from more than **5,000** international publishers including coverage of:
  - Life Sciences
  - Health Sciences
  - Physical Sciences
  - Social Sciences
  - Arts and Humanities
- Independent journal metrics:
  - **SNIP**: The Source-Normalized Impact per Paper
  - **SJR**: The SCImago Journal Rank
- Content expansion:
  - Cited Reference expansion of pre-1996 references
  - Books expansion of 75,000 books
Profile Refinement Service
Detailed process to ensure author profiles are reliable

Maximize precision  +  High level of recall

1 Automatic Phase
Algorithm creates profiles and takes into consideration many factors including:

• Author name segments
• Co-authors’ names
• Author email address
• Affiliations (dept, org, city)
• Journals (ISSN)
• Fingerprints

2 Manual Phase
Profiles Team verifies the results of the algorithm through a series of tasks. Example: Profiles Team completes a biodata search for every profile by:

• Matching publications to the author’s CV
• Searching for past affiliations
• Identifying name changes
Add additional outputs to demonstrate the full range of your research outcomes

Enter data for articles, books and book chapters, conference presentations, patents and more

Choose submission

- Submission guide
- Research output
  - Create from template
    - Import from online source
    - Import from file
  - Application
  - Award
  - Project
  - Dataset

Contribution to journal
- Chapter in Book/Report/Conference proceeding
- Book/Report
- Contribution to specialist publication
- Working paper
- Contribution to conference
- Non-textual form
- Thesis
- Patent
- Memorandum/exposition
- Contribution to memorandum/exposition
- Other contribution

- Article
- Meeting abstract
- Letter
- Comment/debate
- Book/Film/Article review
- Scientific review
- Editorial
- Special issue
Capture articles from a variety of sources and import the data into profiles

Pure’s publication workflow makes it simple for researchers to find their articles.

Choose submission

- Scopus
  Scopus, an abstract and citation database, covers 20,500 titles from more than 5,000 international publishers. It contains over 49 million records from peer-reviewed research literature in the scientific, technical, medical, social sciences, and arts and humanities fields.

- Web of Knowledge
  Web of Science
  Web of Science covers a wide range of databases, which together hold more than 40 million records. The subject areas are primarily within the scope of natural sciences, though social sciences and arts and humanities also are covered, in a lesser scale.

- Mendeley
  Mendeley
  Mendeley is a free reference manager and academic social network that helps scientists organize their research, collaborate with others online, and discover the latest research. It holds more than 20 million records.

- EMBASE
  EMBASE
  EMBASE is a cutting-edge, multipurpose database covering the most important international biomedical literature.

- PubMed
  PubMed
  Contains more than 19 million records from MEDLINE and from medical scientific journals, dating back from 1946. PubMed contains links to full-texts, either from other databases or the journals' publishers. Content must be 'E-pub ahead of print', before imported into Pure.

- CrossRef
  CrossRef
  A system developed by publishers in 2000 to ease linking between references in fulltext documents in online scholarly literature, on the publishers' websites. CrossRef uses DOI to transmit link information.

- arXiv.org

- Submission guide

- Research output
  - Create from template
  - Import from online source
  - Import from file

- Application
- Award
- Project
- Dataset

- Search
Prevent and correct duplicate records

- **Prevent duplication** records from entering Pure via automatic duplication check upon publication entry
- **Create a ‘super record’** where multiple entries occur, with Pure’s easy-to-use de-duplication interface
Identify

Capture
and structure your researcher's CV data

Identify
funding opportunities, expertise and collaborative partners within your institution and across organisations using the Elsevier Fingerprint Engine™

Report
on the reliable, validated content captured in Pure

Analyze
the progress of your research teams or departments

Showcase
your researcher's accomplishments to both the internal and external research communities via the Pure Experts Portal and flexible CV creation capabilities
Identify – core technology

- Identifying the correct researcher to collaborate with in today’s multi-disciplinary global environment can be difficult.

- Powered by the Elsevier Fingerprint Engine™, Pure uses semantic technology and field-of-research specific vocabularies to help researchers easily identify their peers’ expertise – down to the most precise terms.

How the Elsevier Fingerprint Engine works

1) Mine Text
2) Identify Concepts
3) Create Document Fingerprint
Identify expertise through multiple searching options

- Concept search
- Similar Expert search
- "Copy and Paste text" search
- Research units search
- Research outputs search
- Co-author Network visualization
- Institutional Network visualization
Identify expertise across institutions

Share your institution’s data with others

• Search across the Experts Community and DIRECT2Experts which includes 60+ global institutions

• Your researchers can search and be searched across all available Experts portals, plus many other existing research networking tools including U Pittsburgh's Digital Vita, Harvard Catalyst Profiles, U Florida's VIVO, U Iowa's Loki, Stanford CAP, and others
Supporting economic development

• Group and state portals provide a convenient way for businesses to connect to the local expert resources they need to promote innovative research and help to grow the economy.

• The expert profiles can assist people in industry, community groups and university personnel in efforts to find information and potential collaborators for research and problem-solving.
Targeted funding opportunity discovery

Increase your researcher’s awareness of available funding opportunities and decrease the time spent managing the process

- Targeted funding opportunities are matched to your researcher’s personal Fingerprints
- Administrators can track, monitor and manage the funding discovery process through customized reporting and dashboards
- Search and browse through 20,000+ active global funding opportunities – Fingerprinted and categorized based on eligibility
- Email notifications alert researchers to potential matches when they’re outside Pure
Report

Capture and structure your researcher’s CV data

Identify funding opportunities, expertise and collaborative partners within your institution and across organisations using the Elsevier Fingerprint Engine™

Report on the reliable, validated content captured in Pure

Analyze the progress of your research teams or departments

Showcase your researcher’s accomplishments to both the internal and external research communities via the Pure Experts Portal and flexible CV creation capabilities
Generate and distribute validated internal intelligence to accelerate promotion and tenure evaluations, departmental and institutional assessments, and other vital requirements

- **Pre-defined and advanced report** creation capabilities on **all Pure content**

- **Schedule** reports to automatically run and be sent to a predefined distribution list

- **Apply targets** to departments for predetermined research performance indicators such as Snowball Metrics via Pure’s research intelligence capabilities, then track and monitor them through dashboards
Analyze

Capture
and structure your researcher’s CV data

Identify
funding opportunities, expertise and collaborative partners within your institution and across organisations using the Elsevier Fingerprint Engine™

Report
on the reliable, validated content captured in Pure

Analyze
the progress of your research teams or departments

Showcase
your researcher’s accomplishments to both the internal and external research communities via the Pure Experts Portal and flexible CV creation capabilities
Analyze – View progress at-a-glance of key milestones through Pure’s powerful dashboards

- Define performance objectives for any research team or department – including Snowball Metrics – then track their progress

- Monitor:
  - Publication trends (total, publications per FTE etc)
  - Citation trends (total, citations per FTE etc)
  - Collaboration patterns
  - Top journal titles / researchers / h-indices

- Drill down to person- or project-level detail, and click to generate instant progress reports for managers, department heads, or other Pure users
Customizable dashboards provide administrators with an overview of strategically important metrics

- Dashboards can be **personalized, shared and used for monitoring and reporting**
- **User controls** ensure that only data relevant to the user are visible
Analyze collaboration networks

Pure visualizes the relationships between each researcher and their collaborators, including co-authors of applications or publications as well as partners on projects.
Analyze

Capture and structure your researcher’s CV data

Identify funding opportunities, expertise and collaborative partners within your institution and across organisations using the Elsevier Fingerprint Engine™

Report on the reliable, validated content captured in Pure

Analyze the progress of your research teams or departments

Showcase your researcher’s accomplishments to both the internal and external research communities via the Pure Experts Portal and flexible CV creation capabilities
Showcase

Pure does this in a number of ways:

- via the Experts Portal,
- CV creation,
- exporting the data into other systems, and
- integrating with your researcher’s ORCID IDs
Promote your researchers - Pure Experts Portal

Exhibit your organization externally, promote researchers and their accomplishments, and facilitate collaboration via the Pure Experts Portal

“Pure’s portal is vital to our researchers’ visibility to the external research community. What’s more our researchers do not need to spend time maintaining it – they only need to use Pure in their normal research activities and any newly added content is automatically included in their online profile.”

Brian Kirkegaard Lunn, Development Consultant, Aalborg University Library, Denmark
Get an institutional overview

Overview of content contained in the Pure Experts Portal

View the content using multiple filters

Most active profiles

Welcome to the Pure Experts Portal

Active Profiles

- Cormack, Peter
  pc.dem@altra.dk
  Department of Pure and Applied Chemistry
  Academia

- Kallin, Bob
  bk.dem@altra.dk
  Department of Civil Engineering
  Academia

- Lamb, Karen Elaine
  kl.dem@altra.com
  Department of Statistics & Modelling Science
  Academia

- Yap, Christina
  py.dem@altra.com
  Department of Statistics & Modelling Science
  Academia

- White, Lisa F
  lw.dem@altra.com
  Department of Statistics & Modelling Science
  Academia

Collaborative Institutions

  Midlothian, Edinburgh, United Kingdom
- Queens Univ Belfast, Sch Biol Sci
  Arden, BT1 1NN, Belfast, United Kingdom
- E Ospedale Galliera, Div Med Oncol
  H-18120, Genoa, Italy
- Univ Oxford Nutrigenom, University of Oxford
  Oxford, OX1 1NF, United Kingdom
- Univ Glasgow, Western Infirn, Epilepsy Unit, Univ Div Cardiovasc & Med Sci
  Lanark, Glasgow, G11 5NT, United Kingdom

Recent Research Outputs

- In situ detection of pterins by SERS
  Stevenson, R. L., Stokes, R. J., Macdilllon, D., Armstrong, D., Faulkes, K.,
  Wadsworth, R., Kunshelf, S., Suckling, C. J., & Graham, D. 2005 in Analyst,
  Contribution to Journal Article

- The drug discovery portal: A computational platform for identifying drug leads from academia
  Clare, R. L., Johnston, B. F., Macdilllon, D., Reslin, C. J., Robertson, M. N.,
  Contribution to Journal Article

Content

- 622 Experts
- 129 Research outputs (1979 - 2014)
- 202 Research units

Most Frequent Journals

  3
- Journal of fish diseases, 0140-7776
  3
- Cell calcium, 0148-4160
  3
- Environmental science & technology, 0013-936x
  2
- Journal of the American Chemical Society, 0002-7863
  2
Profiles reveal insightful connections

Find potential collaborators by accessing a list of experts with Fingerprints similar to the profiled researcher.

Identify researcher expertise at a quick glance with a visual Fingerprint.

You remain in control. Only authorized content is displayed online.
View the details of each publication, including Altmetrics

View the publication and its citations in Scopus

Each article has a unique Fingerprint

View and link to Altmetrics where applicable
View a researcher or department’s collaboration network
Generate CV & Biosketches at the click of a button

• Generate customized CVs and NIH Biosketches at the click of a button, then export them as a Word or PDF file or publish them online.

• Your researchers exercise total control - they determine which profile data to include and personalize their content through customized headlines and free text sections.

• CV maintenance is effortless - Pure updates sections automatically as relevant content is added.
Harvesting and data standards

Pure is compatible with many different data standards
It can be used to keep research stakeholders updated, avoid duplicate administration, free up more research time and join networking standards

Data in Pure can be harvested via OAI to be used to populate other network initiatives such as VIVO and a range of document repositories such as Dspace, FEDORA and EPrints
Create, manage and report on your researcher’s ORCIDs

• Link your ORCID license to Pure and automatically create and verify ORCIDs within Pure

• Monitor your researcher’s use of ORCIDs within Pure and create reports of the content linked to them
Pure benefits personnel throughout the institution

**VPs/VCs of Research**
Reports, stats, and KPIs for evidence-based research administration

**Rectors, Deans and Department Heads**
Reports for promotion and tenure decisions, departmental reviews

**Researchers & PIs**
Automatic CVs and NIH Biosketch, internal & public profiles, ORCID creation and management, track and promote research activity, populate repository, identify potential collaborators, researcher’s expertise & new articles to read

**Research Administrators**
Reports, bid overview, performance and application monitoring, track projects, oversee collaboration networks

**Communications/Press Office**
Exhibit press clippings, track and promote press coverage, locate experts to comment on news items

**The Library**
Quality-assured publication base, Open Access exhibition, de-duplication, ORCID monitoring etc.

**Tech Transfer Office**
Exhibit and track international collaboration

**Other Stakeholders**
Private sector businesses, Government agencies, Media outlets, The general public
Implementation, getting started….

It’s simple:
• give a list of your researchers and departments
• choose the modules you want

.....and we’ll do the rest
Thank you!
Appendix
<table>
<thead>
<tr>
<th></th>
<th>Hosted</th>
<th>Integrated</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Components</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRS</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Experts Portal</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Validation workflows</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Synchronize institutional data</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>National Assessment Exercise support</td>
<td>Partial</td>
<td>Specific modules</td>
</tr>
<tr>
<td>Awarded grant info</td>
<td>OAI import</td>
<td>Direct feed</td>
</tr>
<tr>
<td>Legacy data integration</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Funding Discovery</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Institutional Repository support</td>
<td>OAI import</td>
<td>Direct feed</td>
</tr>
<tr>
<td>Support the research grant life cycle</td>
<td>Partial</td>
<td>Yes</td>
</tr>
<tr>
<td>Importing online data</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Identify expertise</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Fingerprinting</td>
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<td>Yes</td>
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<tr>
<td>Online Sources</td>
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<td>Optional</td>
</tr>
<tr>
<td>Manage CV data</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*Internal table idea that can be used to give sales an idea if certain needs are met in Hosted and integrated versions of Pure*
## Flexible configuration options – Pure Integrated

<table>
<thead>
<tr>
<th>Product Components</th>
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<tr>
<td>Experts Portal</td>
<td>Yes</td>
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<td>Portal customization</td>
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<td>Optional</td>
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<tr>
<td>Integration Services</td>
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<td>Yes</td>
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<tr>
<td>Administration</td>
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<td>Yes</td>
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<tr>
<td>Reporting</td>
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<td>Optional</td>
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<tr>
<td>Import</td>
<td>Optional</td>
<td>Optional</td>
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<tr>
<td>CV</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Funding Discovery</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Award Management</td>
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<td></td>
</tr>
<tr>
<td>Assessment</td>
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### Data input options

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<tbody>
<tr>
<td>PRS</td>
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<td>Optional</td>
</tr>
<tr>
<td>Manual input</td>
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<tr>
<td>Online Sources</td>
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<td>Optional</td>
</tr>
<tr>
<td>Synchronized data</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>One-time Legacy Data</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>
Rich profiles promote researchers’ activities and accomplishments across the institution

Profiles contain applications, awards, projects, outputs, bibliometrics, impacts, CV data and more

“The intuitive and well-designed user interface has had excellent feedback from academic users.”

Rachel Curwen, Research policy Officer, University of York, UK
Display CV data in Pure and create different versions of your CV

CVs remain updated and in sync with all available information
Generate a formatted CV with a push of a button for download or printing

Design CVs to fit the opportunity, saving you valuable time you can use for your research
Pure’s data model allows for unparalleled flexibility and ease of use in creating reports.

Access controls ensure users can only view and report on the content relevant to them.
Reporting engine with a drag-and-drop interface enables users to build tailored reports

Schedule reports to be generated automatically and export reports in multiple formats
Module descriptions

**Administration**
Perform essential *create, read, update* and *delete* tasks with research metadata and associated documents such as publications and images. Related capabilities range from controlling user access to administering workflows. The module also makes it possible to add content such as press clippings, bibliometrics, and your database of student theses.

**Award Management**
Enable research administrators, and research development professionals to track, monitor, and manage the entire research grant life cycle—from current funding opportunities, applications, and success rates to awards and related projects.

**CV**
Easily create custom CVs and NIH Biosketches to showcase a researcher’s profile, publications, projects, grant successes, bibliometrics, and more. CVs support rule-driven automatic updates whenever new content is added, and can be published directly to your organization’s website or printed as Microsoft Word or Adobe PDF files.

**Funding Discovery Module**
Increase your researcher’s awareness of available relevant funding opportunities and decrease the time spent managing the internal funding discovery workflow process with Pure’s Funding Discovery module. Your researchers receive targeted funding opportunities matched to their personal Fingerprints via alerts both in and outside of Pure. Your administrators can efficiently track, monitor and manage your researcher’s progress through the funding discovery process using dashboards, reports and more.
Module descriptions

**Reporting**
Puts advanced report creation capabilities for all Pure content at your fingertips through Pure’s highly flexible Reporting module. The module’s research intelligence capabilities also help you realize strategically important goals. Apply targets to predetermined research performance indicators such as Snowball Metrics for your departments, then track and share performance updates via at-a-glance reporting dashboards.

**Import**
Let Pure benefit from the rich publication and citation data captured in your subscribed online databases, such as Scopus and Web of Science, via Pure’s convenient Import module. Safeguard that new content is added through Pure’s comprehensive automated search functionality and effortlessly import additional publication information directly from RefWorks, EndNote, BibTex and other reference manager systems. Pure’s author-matching algorithm ensures that the new content is correctly linked to the corresponding internal and external researchers in Pure for complete and accurate publication lists.

**Assessments**
Pure’s Assessments module lets you take advantage of its rich data repository to consolidate and submit full returns for the UK’s Research Excellence Framework (REF2014) and Denmark’s Bibliometric Research Indicator (BFI). In development are similar submission capabilities for the Netherlands’ Standard Evaluation Protocol (SEP) and for Australia’s Excellence in Research for Australia (ERA) initiative.
The Elsevier Fingerprint Engine™
Fingerprint within the Pure Experts Portal

Economics

- Vaccine
- Influenza
- Scotland
- Health
- Surveillance
- Effect
- Model
- Cohort
- Propensity score
- Illness
- Vaccination
- Methodology
- Time series data
- Timeliness
- Adaptability
- Infection
- Infectious diseases
- Early warning
- National Health Service
- Decision maker
- Telephone
- Monitoring
- Screening
- Public health
- Statistical model
- Primary care
- Cox model
- Death
- Multilevel modeling
- Test
- Modeling
- General practice
- Laboratory
- Proportional hazards
- Chronic illness
- Deprivation
- Statistical methods
- Factors
- Regression model
- Poisson regression
- Logistic regression model
- Propensity
- Health seeking behaviour
- Mortality
How does the Elsevier Fingerprint Engine work?

1) Mine Text
2) Identify Concepts
3) Create Document Fingerprint

- MeSH
- Compendex
- GeoTree
- GESIS
- and more

- Disorders
- Uterine Cervical Neoplasms
- Neoplasms
- Breast Neoplasms
- Chemicals & Drugs
- Biological Tumor Markers
- Papillomavirus Vaccines
- Aspirin
Natural Language Processing modules we apply to interpret text

Workflow: Concept Look-Up
Profile Refinement Service

Detailed process to ensure author profiles are reliable

Maximize precision + High level of recall

1 Automatic Phase
Algorithm creates profiles and takes into consideration many factors including:

- Author name segments
- Co-authors’ names
- Author email address
- Affiliations (dept, org, city)
- Journals (ISSN)
- Fingerprints

2 Manual Phase
Profiles Team verifies the results of the algorithm through a series of tasks. Example: Profiles Team completes a biodata search for every profile by:

- Matching publications to the author’s CV
- Searching for past affiliations
- Identifying name changes
Creating a researcher’s Fingerprint

Generate a researcher’s unique Fingerprint by aggregating the Fingerprints of each of their publication abstracts.
Fingerprints can be aggregated at various levels

Aggregating researchers’ Fingerprints across organizational units allows for the institution to know what individuals know and what groups know...

- What new publications and grants have been produced?
- What trends have emerged over time?
- Who is working together?
- With what other organizations (internal and external) are we collaborating?
- **What do we know?**
Implementing the Pure Experts Portal
Process for Elsevier to tailor an institution’s profiles

Institution provides Elsevier with a list of researchers’ names and departments

Institution completes a configuration checklist

Elsevier manually reviews profiles and launches the Pure Experts Portal

Weekly automated update  
Quarterly manual review
Branding of your Pure Experts Portal

- Elsevier will brand the banner of your Pure Experts Portal application to meet your needs
- Institution provides the color scheme, their logo, the preferred application name and any imagery that they would like included in the background of the banner
- Elsevier will then design a header showing the look and feel of the interface for the institution to review and approve
Miscellaneous
Force view researcher collaboration network
Circle view researcher collaboration network
Search for specific concepts

Selected concepts:

NAL:
- sarcoplasmic reticulum
- degradation
- drugs
- smooth muscle
- Drosophila
- cadmium
- naphthalene
- transferrin
- cyclin-dependent kinase
- sediments
- bioavailability
- receptors
- stable isotopes
- hot line
- phospholipase C
- glutathione
- metabolism
- brain
- bio degradation
- cell lines

5 experts found with publications relating to all selected concepts

1. MacMillan, Debbi
   - Department of Pharmacy & Biomedical Sciences
   - Academic
   - 3 out of 12

2. Ellis, Elizabeth
   - Department of Pharmacy & Biomedical Sciences
   - Academic
   - 3 out of 14

3. Durés, Christine
   - Department of Pharmacy & Biomedical Sciences
   - Academic
   - 2 out of 10

4. Keenan, Helen
   - Department of Civil Engineering
   - Department of Statistics & Modelling Science
   - Academic, Ph.D
   - 1 out of 3

5. Kelin, Bob
   - Department of Civil Engineering
   - Academic
   - 1 out of 7
Fingerprint created based on the entered text

The Golgi apparatus plays essential roles in intracellular trafficking, protein and lipid modification, and polysaccharide synthesis in eukaryotic cells. It is well known for its unique stacked structure, which is conserved among most eukaryotes. However, the mechanisms of biogenesis and maintenance of the structure, which are deeply related to ER–Golgi and intra-Golgi transport systems, have long been mysterious. Now, having extremely powerful microscopic technologies developed for live-cell imaging, the plant Golgi apparatus provides an ideal system to resolve the question. The plant Golgi apparatus has unique features that are not conserved in other kingdoms, which will also give new insights into the Golgi functions in plant life. In this review, we will summarize the features of the plant Golgi apparatus and transport mechanisms around it, with a focus on recent advances in Golgi biogenesis by live imaging of plants cells. Keywords: Golgi apparatus, trans-Golgi network, Plant cells, Membrane.

5 experts found with related research outputs:

1. MacMillan, Debbie
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Department of Pharmacy & Biomedical Sciences
Academia

2. Cousin, Michael
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Department of Pure and Applied Chemistry
Academia

3. Ellis, Elizabeth
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