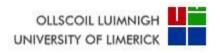
Research Support Librarians in Irish Universities – A Case Study

Jessica Eustace, TCD
Aoife Geraghty, UL
Jack Hyland, DCU
Rosarie Coughlan, NUI Galway









Our Origins

Four of the Irish Universities received SFI funding for the post of a librarian who would support SFI funded researchers

"Through strategic investments in the people, ideas and partnerships essential to outstanding research in strategic areas, Science Foundation Ireland will help build in Ireland research of globally recognised excellence and nationally significant economic importance."

SFI Vision Statement 2004-2008

Trends in Higher Education

- Rise in cross-disciplinary research and collaborative projects
- Increased focus on 4th level
 - Graduate skills training
- New publication models
 - Open Access
 - Scholarly output includes databases, websites and other forms of digital scholarship
- Accountability and league tables
 - Citations as a measure of quality?

The Research Support Role (& SFI)

- TCD –SFI Research Support Librarian
- UL- Librarian, Research Support
- DCU Research Support Librarian
- NUIG Research Support Librarian (Science, Technology & Medicine)

SFI (Science Foundation Ireland) focuses mainly on Science and Engineering research underpinning 3 broad areas: Biotechnology; ICT; and Sustainable Energy.

Jessica Eustace, TCD

SFI Research Support Librarian



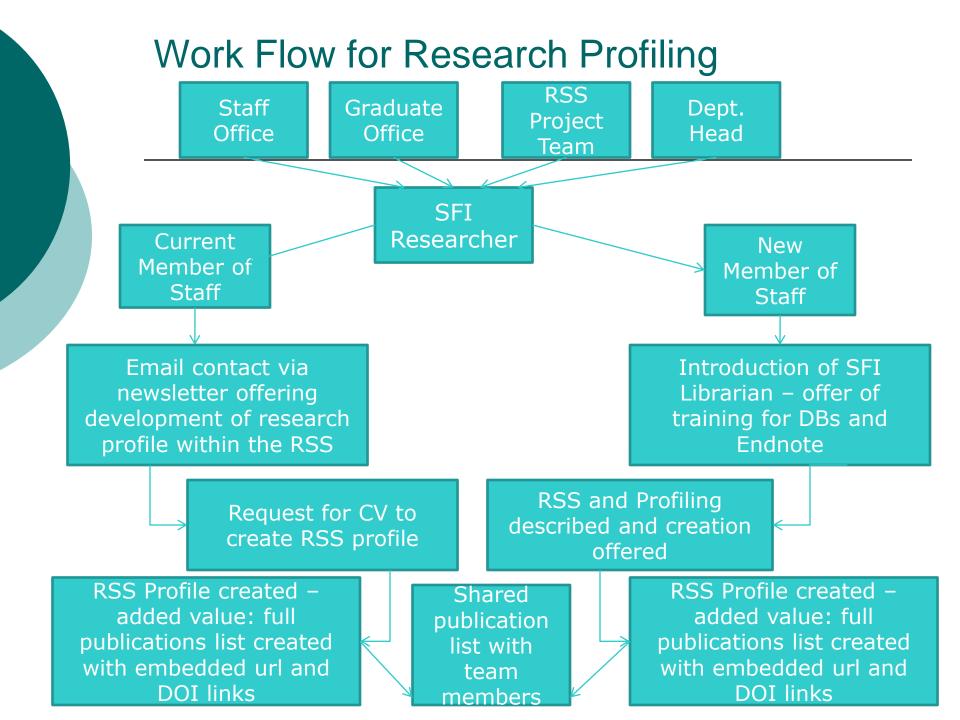
Key Roles

- In post on May 1st 2007
- Remit: To assist SFI Researchers and their teams
- Liaison with multiple user groups, administrators and Librarians
- Newsletters / Bulletins Editor
- Researcher Profiling
- Assisted Deposit of Open Access material within Trinity's Institutional Repository TARA (Trinity's Access to Research Archive)
- Promotion & Training

Liaison Role SFI Principal **Investigators** Department Administrators Graduate Office Research SFI Research Support Librarian System Subject Project Librarians Office SFI SFI Research Postgraduates **Fellows**

Newsletters

- SFI TCD Library Bulletin 36 issues bimonthly editions during term time.
 - Coverage hot topics in SFI Research with a focus on Trinity
 - Highlighted SFI Researchers or SFI funded research groups
 - Tips and Tricks for Online Databases
 - IReL Promotion highlighted e-resource
 - Endnote Tips
- Editor of two additional Research
 Newsletters for the Library SETH and AHSS



Adding Value to the RSS

- Quality Control on Bibliographic Data
- URL to Publisher Full Text
- DOI links
- PubMed IDs
- Team Publication Sharing
- Links to external data sources e.g. conference presentations where available

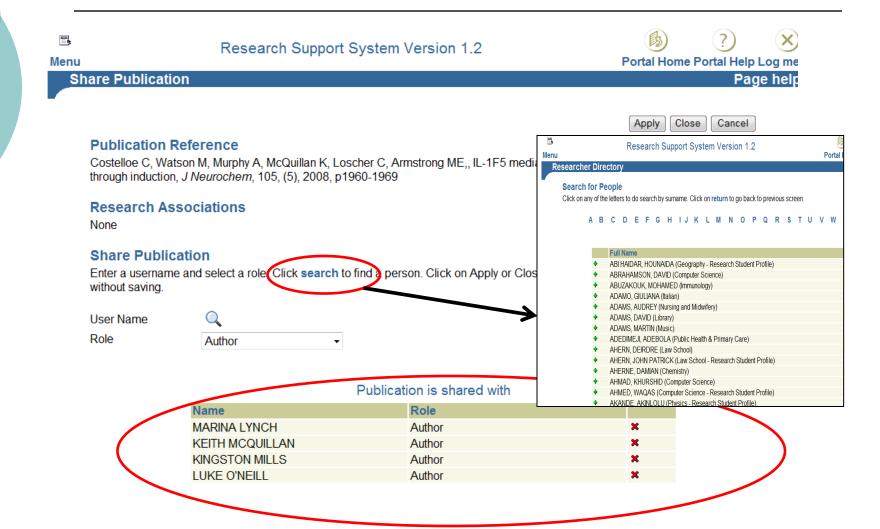
Adding Value: Quality Control of Bibliographic Record

Edit Journal Article				
Click on Apply or Close to save your changes. Click on Cancel to ex	xit without saving.	PubMed		
Author (s) Name*	Mullally BJ, Greiner BA, Allwright S, Paul G			
Title of Article*	Prevalence of smoking among bar workers p	prior		
Subject to Peer Review*	YES ▼	D 11: 1 M/ 1 ::		
Full title of Journal	Irish Journal of Medical Science	Publisher Websites		
Volume Number	177			
Issue Number				
Year of Publication	2008			
Start Page	309	Google Scholar		
End Page	316	K		
Page Range				
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		SCOPUS		
Notes				
		Web of Knowledge		
Language of Publication	English	• Web of Knowledge		
URL (if available). Format: http://www.tcd.ie .	http://www.springerlink.com/content/v15664	h75		
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Status Information				
Complete the following fields. When you are satisfied that all the det				
Record Status*	Published ▼	Common Errors:		
		Incorrect Titles		
Deposit with TCD Library?	NO 🔻			
Display on Public CV **	YES ▼	Missing Issue Numbers		
ALTERNATE URL (if available). Format: http://www.tcd.ie		Missing Page Numbers		
Digital Object Identifier: (e.g. http://dx.doi.org/)	10.1007/s11845-008-0196-1	5 5		
		Spelling		
		Missing Authors		
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Adding Value: urls, PMIDs and dois

• P	ublications		Last l	Jpdated: 11-N	ЛAR
		ed column headings to reorder your publications.			
Peer Reviewed Publications. Total: 178					
Edit	Туре	Reference	Year	Status	Del
	Journal Article	Costelloe C, Watson M, Murphy A, McQuillan K, Loscher C, Armstrong ME,, IL-1F5 mediates anti- inflammatory activity in the brain through induction, <i>J Neurochem</i> , 105, (5), 2008, p1960-1969 <i>Notes:</i> [PMID: 18284608] Url DOI	2008	PUBLISHED	×
	Journal Article	Fennelly, N.F., Sisti, F., Higgins, S.C., Ross, P., van der Heide, H. Mooi, F.R., Boyd, A.P. and Mills, K.H.G., Bordetella pertussis expresses a functional type III secretion system that subverts protective innate and adaptive immune responses., <i>Infection and Immunity</i> , 76, (3), 2008, p1257 - 1266 Url DOI	2008	PUBLISHED	×
	Journal Article	Conroy, H. Marshall, N.A. and Mills, K.H.G., TLR ligand suppression or enhancement of Treg cell - A double edged sword in immunity to tumors. , <i>Oncogene</i> , 27, (2), 2008, p168 - 180 Url DOI	2008	PUBLISHED	×
	Journal Article	Jarnicki, AJ, Conroy, H. Brereton, C, Donnelly, G., Toomey, D., Walsh, K.,, Sweeney, C., Leavy, O., Fletcher, J., Lavelle, E., Dunne, P. and Mills, K.H.G., Attenuating regulatory T cell induction by TLR agonists through inhibition of p38 MAPK signaling in dendritic cells enhances their efficacy as vaccine adjuvants and cancer immunotherapeutics, <i>Journal of Immunology</i> , 180, (6), 2008, p3797 - 3806 Url	2008	PUBLISHED	×
	Journal Article	Downer, E.J., Cowley, T.R., Lyons, A., Mills, K.H.G., Berezin, V., Bock, E., Lynch, M.A., A novel anti-inflammatory role of NCAM-derived mimetic peptide, FGL, <i>Neurobiology of Aging</i> , 2008 Url	2008	IN_PRESS	×

Sharing Publications with Team Members



Benefits of Team Sharing

- The RSS allows team sharing of articles and links profiles
- Material only has to be entered in once for the team leader and manually shared using the RSS – no repetition of controlled bibliographic data as it filters down

Benefits of Added Value for Researcher

- Fuller picture of research profile links to the full text add another level of granularity
- Teaching Resource can refer students to profile for entire list of publications rather than multiple databases
- Promotion of their research output
- A Quality Record with correct bibliographic data and metadata which filters out to their schools

Key Researcher Profiles



Research Support System Version 1.2







Year Status

IN PRESS X

2009 PUBLISHED X

2009 PUBLISHED X

Curriculum Vitae

Portal Home Portal Help Log me off Page help?

Printer friendly page



Please approve your CV for display in the Researcher Directory and for export to the Approved: Approved Expertise Ireland Portal when you have finished modifying it. For further information on the Expertise Portal please visit www.expertiseireland.ie Name PROFIUKE ANTHONY JOHN O'NEILL 💗 Gender Male

Address

DEPT OF BIOCHEMICTOV

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BY TOTAL: 245 BIOCHEMISTRY Edit Type Reference Journal Article Palsson-McDermott E, Doyle S, McGettrick A, HArdy M, Husebye H, Banahan K, Gong M, COLLEGE

Show Image ▼ College Title Chair of Biochem Telephone Email

Journal Article

++ 353 1 896243 Journal Article Luke.ONeill@tc

Url DOI

Corr SC, O'Neill LA., Listeria monocytogenes infection in the face of innate immunity., Cell 2009 IN PRESS ■ Microbiol, 2009

O'Neill LA. Minireview prologue: Regulation of signalling by non-degradative ubiquitination... J Biol. 2009 PUBLISHED **

Golenbock, Espevik T and O'Neill LAJ, TAG; a GOLD domain-containing splice variant of TRAM that negatively regulates the MyD88-independent pathway in TLR4 signaling, Nature Immunology

Notes: [PMID: 19191786 Published Online: 2 Feb 2009] Url

Chem, 2009

DOI

Url

Biography

CAMPUS COMPANY: Co-founder in March 200 drug development company targeting inflammato completed A round financing in February 2005 o Journal Article Inventages and Seroba). Largest A round fund fo

 Teaching interests and responsibilities No data has yet been entered for the "Teaching interests a

Notes

Journal Article

Sharp FA, Ruane D, Claass B, Creagh E, Harris J, Malyala P, Singh M, O'Hagan DT, Pétrilli V, Tschopp J. O'Neill LA. Lavelle EC., Uptake of particulate vaccine adjuvants by dendritic cells activates the NALP3 inflammasome., Proc Natl Acad Sci USA, 106, (3), 2009, p870 - 875 Notes: [PMID: 19139407]

Sheedy FJ, O'Neill LA., Adding fuel to fire: microRNAs as a new class of mediators of

inflammation., Annals of the Rheumatic Diseases, 67, (Suppl 3), 2009, piii50 - iii55

Url DOI

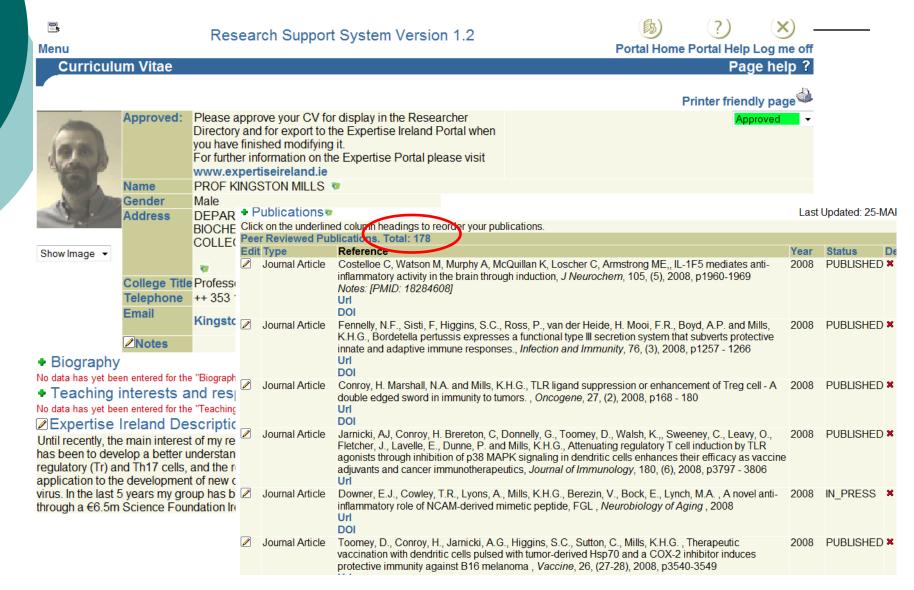
Book

O'Neill LAJ and McCov C. Toll-like receptor protocols. Methods in Molecular Medicine Series. 2009 PUBLISHED X 517, New Jersey USA, Humana Press, 2009 Kenny EF, O'Neill LA., Signalling adaptors used by Toll-like receptors: an update., Cytokine, 43, 2008 PUBLISHED X

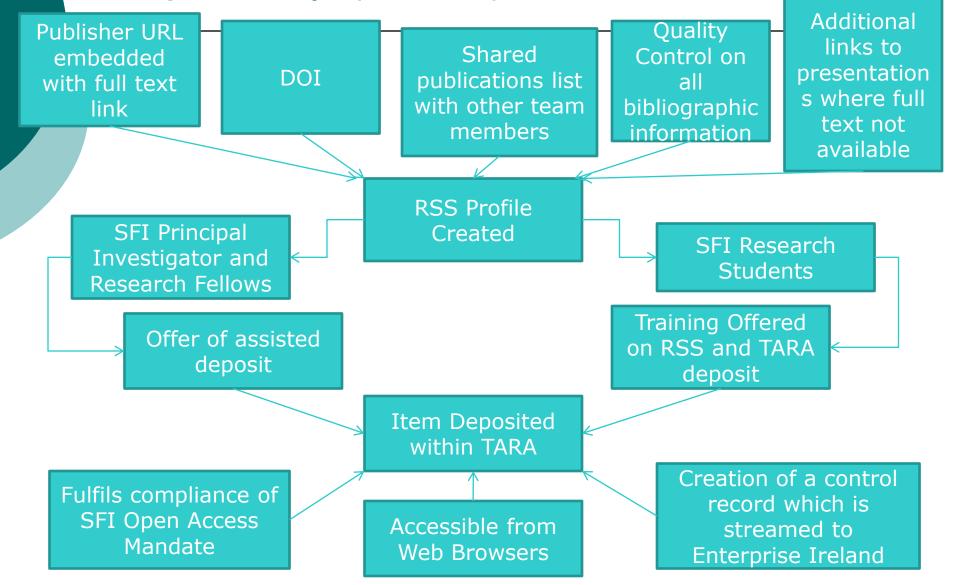
Journal Article (3), 2008, p342 - 349

Notes: [PMID: 18706831]

Key Researcher Profiles



Assisted Deposit for Institutional Repository (TARA)



Assisted Deposit

- Author signs the TARA deposit license
- Researcher sends me their post peer reviewed author versions of the papers
- Paper is converted to pdf format
- Each article is checked on the SHERPA ROMEO website for the OA permission
- Bibliographic information is double checked
- Abstract from author copy and sponsors acknowledgements are added into the TARA record

Benefits for SFI Researcher in Depositing in TARA

- Fulfils the new SFI Mandate for Open Access which came into action from February 1st 2009
- Widens the readership of their papers to researchers who may not have subscription to the high impact journals
- Potential increase to numbers of citations
- Research is more widely accessible via web browsers like Google, Yahoo etc outside of just the publisher website

Benefits of involvement with the RSS and TARA for my Role

- Increased familiarity with their research
 - Allow targeted training offers for the researcher and their teams
 - Arrange tips and trick sessions with expert providers for our e-resources
- Increased communication with a hard to target group
 - Creates a forum where they can ask research questions
- The Library becomes part of their research process
- Increased respect and knowledge about what my role encompasses, and the Library provides for them

Promotion & Training

- Specialist Training Days IEEE,
 Web of Knowledge etc.
- 1 to 1 training sessions
- Out reach training to off site SFI Researchers
- Promotion of Electronic Resources

Challenges

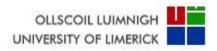
- Finding a way to make contact with specifically SFI funded researchers, instead of all researchers in Trinity
- Once key SFI researchers were identified, providing on site training on the RSS and TARA with a disparate user group
- Explaining what TARA is and what Open Access is and what the benefits of involvement are. Trying to help clarify some of the confusion surrounding Open Access.
- Remaining up to date with a huge range of electronic resources which constantly alter their interfaces and add new tricks to the database functionality.
- Providing tangible means in which the library can provide measurable support to the research community.

Contacts

- SFI Research Support Librarian: Jessica Eustace (<u>eustacj@tcd.ie</u>)
- Programme Manager Research Information Systems & Services: Niamh Brennan (nbrennan@tcd.ie)
- Institutional Repository Content Manager: Garret McMahon (garret.mcmahon@tcd.ie)

Aoife Geraghty, UL

Librarian, Research Support



Key Roles

Full-time post, funded jointly by SFI and by UL, supporting all UL researchers

Key Roles:

- Liaison & Networking
- Resource Development
- Scholarly Communication
- Information Literacy

Liaison & Networking - who

- The Library
- The Research Office
 - Research Support Services
 - Graduate School
 - Technology Transfer Office
- Other University Departments
 - ITD
 - Careers
 - HR
 - Teaching & Learning
- Research Institutes, Centres and Units
- Researchers
 - Postgrads
 - Postdocs
 - Faculty

Liaison & Networking - how

- Meetings
 - Monthly meetings with Assistant Deans, Research attended by Research Office staff, & support services incl. Library, HR, Finance and IT Department
 - Monthly meetings with Library Information Services staff
 - Monthly meetings with fellow UL librarians incl.
 Journals club
 - Regular meetings with fellow Research Support librarians (DCU, NUIG, TCD)
 - Individual & Committee meetings
- Library publicity incl newsletter, website, emails, events and blog
- Read Around Research Blog
- Researcher & Staff Induction days

Library Research Blog http://readaroundresearch.blogspot.com

Read Around Research

Labels

academic writing (1)

blogging (1)

books (1)

endnote (1)

humanities (1)

humour (3)

impact factors (1)

institutional repository (2)

investment in research (2)
open access and scholarly publishing (3)

SFI (2)

university rankings (2)

My Blog List

g Education | guardian.co.uk

Critical report due on child abuse in Irish Catholic schools

1 hour ago

The Chronicle: Wired Campus Blog Google Chief Tells Graduates to Turn Off Computers

13 hours ago

SC JISC News Web Feed

AccessApps wins international accolade

22 hours ago

Wednesday, May 13, 2009

A move to open access could bring significant system savings

A move to open access publishing could potentially bring system savings of around £215 million per annum in the UK, according to a <u>report</u> on the costs and benefits of alternative scholarly publishing models. An <u>online model</u> provided by the report authors runs as an executable application for those wishing to calculate national or institutional costs and benefits elsewhere.

John Houghton of the Centre for Strategic Economic Studies, Victoria University is the lead author of the January '09 JISC commissioned report Economic implications of alternative scholarly publishing models: Exploring the costs and benefits.

Three publishing models are analysed and costed per article (e-only):

- 1) subscription or toll-access publishing (reader pays): £2337
- 2) open access publishing (author pays to publish in an open access journal): £1524
- 3) self-archiving with overlay services (author self-archives in an institutional or subject repository, with overlay services provided by the publisher to include peer review management, editing, production and proofing): £1125

Open access self-archiving with overlay services would result in a saving of over 50% on subscription publishing. Significant additional savings could be made if acquisition cost savings were to be included.

Potential savings of 30% per title for open access monograph publishing are calculated, but a recommendation is made for more research as that area develops.

The report further recommends that:

- · Appropriate metrics should be used when evaluating research.
- . Institutions and funding hodies should ensure the availability of funding for author or producer side fees. (The

Resource Development

- Monitor usage of IReL resources, locally and nationally
 - Statistics, surveys and reports
- Identify and purchase resources to support Research Skills training
- Work with Special Collections and Faculty Librarians on sourcing collections for the ULIR

Scholarly Communication

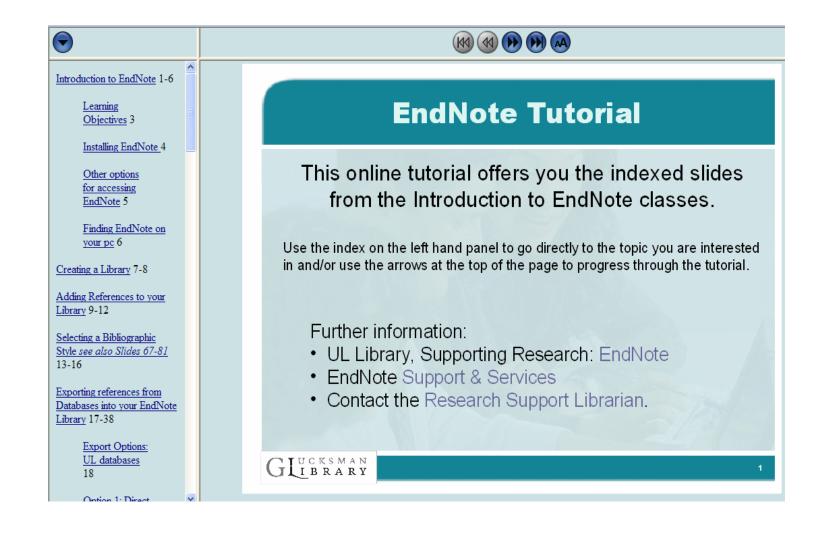
- Advise on new models of Scholarly Communication
 - Open Access
 - Journal Citation Reports
 - Measuring & Maximising Impact
 - Getting Published
- Institutional Repository advocacy
 - http://ulir.ul.ie

Information Literacy

EndNote

- 275 researchers attended ½ day training sessions in 2008
- Online module now available
- Research Skills Online
 - Modules on Getting Published, Presenting at Conferences, Research Methods and Literature Reviews
 - Funding from SIF (Strategic Innovation Fund)
 - Shannon Consortium (UL, LIT, ITT & Mary I) a regional collaboration
- Web of Knowledge

EndNote Support Online www.ul.ie/~library/endnote



Research Skills Online in partnership with Epigeum Ltd

Welcome

1. Orientation

- ◆ Introduction
- Learning objectives
- Course map
- Author profiles

2. Course files

Publishing landscape

- ◆ Video: Why publish? Types of publications
- A publishing strategy
- The peer review process
- ◆ Video: The editors' view
- Quick check

Writing an academic journal article

- ◆ Targeting a journal
- Choosing a subject
- ✓ Video: What makes a publishable paper
- O Quick check
- ◆ Writing titles
- Structure and clarity
- Awareness of your audience

PUBLISHING LANDSCAPE



LEARNING OBJECTIVES: To give you an understanding of reasons to publish

INSTRUCTIONS:

Click on the person's photo and then the 'Play' button to watch the video

4 MINS

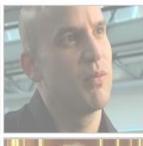




WHY PUBLISH?

In this video a number of publishers, experienced academics and early career researchers give their answers to the question "Why publish?".







© Epigeum Ltd 2007 (



Jack Hyland, DCU

Research Support Librarian



Background

- Funded by SFI's AOIP (Annual Overhead Investment Plan)
- Role began January 2005 (I started Sept 2007)
- Original remit:
 - cross-faculty STM research centres in DCU: (promote Library services and provide one-to-one support and info lit training)
 - IReL: integrating IReL resources into the DCU Library collection; promotion; support
 - introducing and supporting reference management software in DCU
- Split between two Library departments:
 - Information and Public Services (research centres, RefWorks)
 - Collection Management Services (IReL)

Collection Management Services

- IReL unprecedented growth in eresources available in DCU:
 - DCU Library in 2004:
 - ~7,000 journal titles via 35 databases
 - ...and in 2008:
 - ∼40,000 titles via 120 databases

Collection Management Services

- Improving dynamic and seamless access between resources
 - Content management system
 - Off-campus access
 - OpenURL linking
 - Federated searching
- Promoting IReL
 - Regular updates on new resources and changes
 - Organising publisher training for Library staff
 - IReL roadshow
- IReL Monitoring group
 - Resource usage reports
 - IReL Impact Surveys 2007 and 2009

Collection Management Services

- CMS role facilitates communication between:
 - librarians in DCU
 - Subject team
 - Collection management
 - Systems
 - IReL libraries
 - monitoring group
 - steering group
 - IReL head office
 - IReL IT discussion list
 - Publishers
 - DCU researchers and staff
- ... to ensure that IReL meets researchers' needs

Research Centres



CENTRE for DIGITAL VIDEO PROCESSING **Dublin City University, Ireland**











RINCE Research Institute for Networks and Communications Engineering



International Centre for Neurotherapeutics

National Centre for Language Technology

Dublin City University, Ireland



Research Centres

- o Key contacts:
 - a designated library liaison contact in each centre
 - Research Centres Managers Forum
- Regular presentations and meetings with centres to promote Library services
 - questionnaires on researchers' info. needs before meetings
 - Promoting DORAS with IR manager
- Researchers web portal
 - info on all library services for researchers
 - includes in-house and publishers' video tutorials
- Collaboration with Science and Engineering subject librarians on IReL and support for centres

Research Centres

- Training sessions on:
 - Web of Knowledge and research metrics; PubMed;
 SciFinder; creating RSS alerts from database searches
- Graduate Research Training Programme
 - Training for new PhDs
 - started autumn 2008; will be accredited from 2009
 - classes:
 - Advanced Research Resources and Techniques
 - Evaluating Research and Journal Impact
 - Advanced Internet Searching
 - RefWorks
- Research Staff Induction Day

RefWorks

Support

- Print and online training materials
- one-to-one support for all researchers and staff

Training

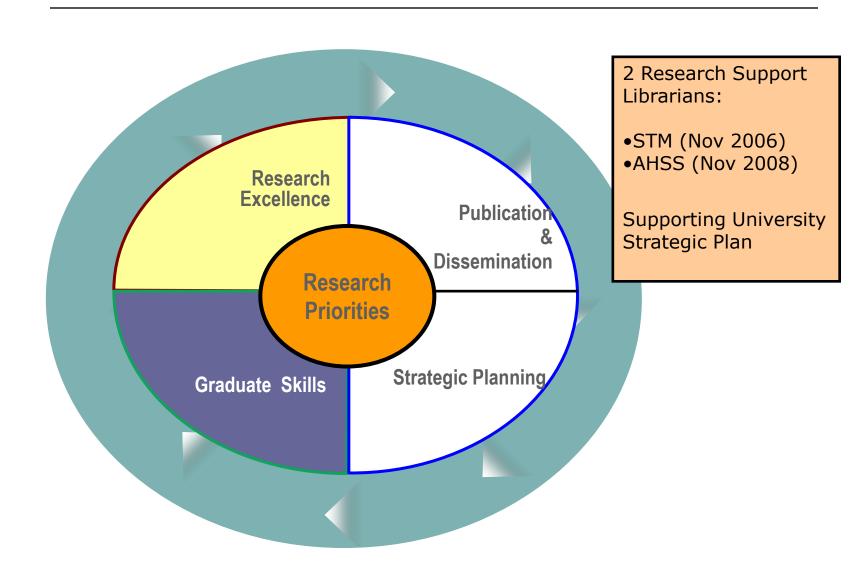
- 2008: 21 hours of training for 345 people
- Usage tripled between 2006-2007 and 2007-2008

Rosarie Coughlan, NUI Galway

Research Support Librarian (Science, Technology & Medicine)



Supporting 4th Level Research at NUI Galway: Aims



Critical Collaboration Research

Library

RSL (AHSS)

IR Librarian

Subject Librarians

Research Support Librarian

External

- •Research Resource Providers
- •RSL networks (national & international)

Community

- PhD Students
 - Post Docs
- Research Staff
 - Supervisors

Central Research Support Services

- Research Office
 - Quality Office
- Graduate Studies Office
- Research Administrators
 - PG Admissions

Priority: Research Excellence

Key services & activities

- Research support branding
- Research Information Gateway
 - Researcher workshop series
 - Research Toolbox
- Resources Hub (S⁻
- Establishing contact points
- 1-1 consultations





WELCON THE RESEARCH INFORMATION GATEWA

In recognition of the University's research excellence both nationally and internationally, sustained by a vibrant research culture the Library is committed to providing dedicated support and services that dexpectations of this diverse community.

Embed into cross-university research support services

- Staff Training & Development
- Postgraduate Admissions
- Graduate Studies Office
- New Staff induction packs

Gateway provides a focus point for research support provided by the ng key support units across the University. The gateway provides earch staff and students engaged in discipline specific and inter-Galway.

Supporting Your Research

<u>:s</u>	Research Performance Measurement
	Research Toolbox
	Workshops & Seminars
	Resources Hub
Library (IReL)	1-1 Consultation



Priority: the 'Publish or Perish' Imperative

Activities

- Provide customized research performance profiles and workshops for disciplines and schools
 - ✓ Getting Published & Making an Impact
 - Benchmarking Your Research Performance using Bibliometrics
- University rankings
 - Data analysis of university profile in key citation indices
- Research dissemination the Institution Repository Key advocacy role Supporting mediated deposit
- Conference Event (Jakey Collaborations
- Institutional Repository Librarian
- Research Office
- Quality Office
- Research / Centre Heads / PI's
- Post Docs
- Citation indices development team

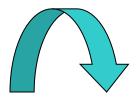
Priority: Graduate Skills Agenda

Activities

Researcher Workshop Series

8 sessions

- Getting Started on You PhD
- 2. Searching the literature
- 3. Benchmarking Research Performance using bibliometrics
- 4. Accessing funding opportunities (ResearchResearch.com)
- 5. Keeping up-to-date
- 6. Getting published & making an impact
- EndNote Advanced (Endnote Training Co-ordinator)
- 8. Getting the most from the web
- Research Toolbox via the Research Information Gateway
- Contributing editor to cross-institutional online Graduate Skills resource (SIF)



Key collaborations

- PhDs
- PhD Supervisors
- o PI's
- Post Docs
- Graduate Studies Office

- ✓ Comprehensive
- ✓ Aligned to key priorities- Time thieves & drivers!

Priority: Strategic Planning for Research

- ✓ Research Support via the Library embedded into the University Strategic Plan 2009-2014
- Local, national & international research benchmarking requirements
 - Advocacy and awareness of evolving metrics, measures and their application
 - Customized bibliometric data profiles
- Input to discipline /unit quality reviews



- Research Office
- Quality Office
- Deans of Research
- Research / Centre Heads / PI's
- Library colleagues

Key collaborations

Collaboration - the pay-offs

Encourage dialogue with research groups / individuals, and forge new relationships

Heightened uptake of
Library / University resources & expertise
= value for money

Maximising research output + tracking + dissemination = impact

Evolving Collaborations – Challenges!

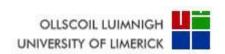
Ongoing engagement with the community

- Establish regular & effective communication channels
- Ongoing development of support at the point of need
- Relate support strategies to specific research group / faculty activities
- Keep knocking on doors
- Monitor progress and evaluate staff responses

The big picture

- Integration with central University research support services where appropriate
- Sustained and organic relevance to evolving institutional research priorities

Research Support Librarians: Challenges and Future Plans











Common Challenges

- Identifying the relevant researchers
- Communicating with researchers
- Training: understanding researchers' needs
- Perceptions of our roles by academic staff and librarians:
 - Are we subject librarians?
 - Are we experts on academic publishing?

Collaborate to Compete – the Future

The evolving role of the Research Support Librarian:

- o Collaborating:
 - with research support staff in schools and centres
 - with research offices
 - with research support librarians
 - Research Skills development
 - Metrics: use and application to research performance metrics
 - Applying emerging support technologies (Web 2.0; Library 2.0)
 - New models of research dissemination (open access; institutional repositories)

The Academic Library Supporting New Research Models

- Think of the library inside out, what's on the fringe now at the centre, and what's at the centre at the edge.
- Increased collaboration between librarians, IT experts, faculty and publishers
- Re-define libraries as multi-institutional entities, while preserving the programmatic strengths and mission of the individual schools

No Brief Candle, Reconceiving Research Libraries for the 21st Century, CLIR, US 2008