

Librarians as Part of Research Teams

图书馆员作为研究团队的一部分

Jean P. Shipman, MSLS, AHIP, FMLA
Vice President Global Library Relations, Elsevier

图书馆学硕士，AHIP，FMLA
爱思唯尔全球图书馆关系副总裁



Who Am I? 我是谁?

- VP, Global Library Relations, Elsevier
 - University of Utah – Emerita Librarian;
 - Executive director, Knowledge Management;
 - Health Sciences Library executive director
 - Director, MCR RML & NLM NTO
 - Center for Medical Innovation, Director for Information Transfer
 - President, US Medical Library Association, 2006-7
 - Worked in 5 different academic institutions; 1 hospital; 2 NNLM offices
 - Opened 3 consumer health libraries
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- 爱思唯尔全球图书馆关系副总裁
 - 犹他大学——荣誉退休图书馆员
 - 知识管理执行总监
 - 健康科学图书馆执行总监
 - MCR RML和NLM NTO总监
 - 医学创新中心信息传递总监
 - 美国医学图书馆协会会长（2006年至2007年）
 - 供职于五家不同的学术机构、一家医院、两家美国国家医学图书馆网络（NNLM）办事处
 - 开设了三家消费者健康图书馆

Talk Outline 讲话提纲

- Researcher Workflow
- 研究人员 workflow

- Librarians can play a vital role with institutional research
- 图书馆员可以在机构研究中扮演重要角色

- Elsevier tools for Open Data
- 爱思唯尔支持开放数据的工具

- Case study – University of Utah
- 案例研究——犹他大学

Researcher Workflow 研究人员工作流

“Enabling Research”

Develop Strategy Recruit/evaluate researchers Secure Funding Establish partnerships Manage facilities



Do 'office admin' tasks	Identify funding opportunities	Identify potential partners
Find talent to join team	Prepare proposals	
Benchmark own performance	Track proposals	
Manage performance of team	Report grant progress and compliance	

“Doing Research”

Search, discover, read, review Collaborate & network Experiment Synthesize/ Analyze



Stay on top of the field	Keep track of colleagues/competitors	Plan experiments, procure materials and resources	Analyse results
Get in-depth knowledge on a topic	Attend conferences, build relationships	Run experiments	Prepare data for use on different tools
Search online literature	Share others' articles, data	Public collect data/analyse	Validate data against prior research
Manage articles	Share own work in progress	Capture, log, and store data	
Annotate articles	Monitor progress of collaborative tasks	Keep track of when carried out experiments	
Read articles	Peer review other's work	Find right methods	
Develop hypotheses			
Review manuscripts			

“Sharing Research”

Manage Data Publish and disseminate Commercialize Promote Have impact



Preserve data	Select and format data outputs for presentation	Search and analyse patents	Promote within institution
Describe/annotate data	Prepare research for publication	Register a patent	Maintain online presence
Publish data	Present findings at conferences	Commercialize research	Communicate results to media
Publish methods	Find appropriate journal	Identify commercial partners	Track impact
Find data-sets online and re-use for own research	Format manuscript for submission	Negotiate partnerships	Design curriculum
			Prepare teaching materials
			Teach, give lectures, tutoring

Open Science opportunity type

More open	More collaborative	More transparent
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Librarians and Research 图书馆员和研究

Current Titles 当前职务



Data Management Librarian
数据管理馆员

Data Services Librarian
数据服务馆员

Research Services Librarian
研究服务馆员

Data Visualization Librarian
数据可视化馆员

Librarians and Research 图书馆员和研究

Current Roles 岗位职责



Data Management Plans
数据管理计划

Data Annotation and Discovery
数据注释与发现

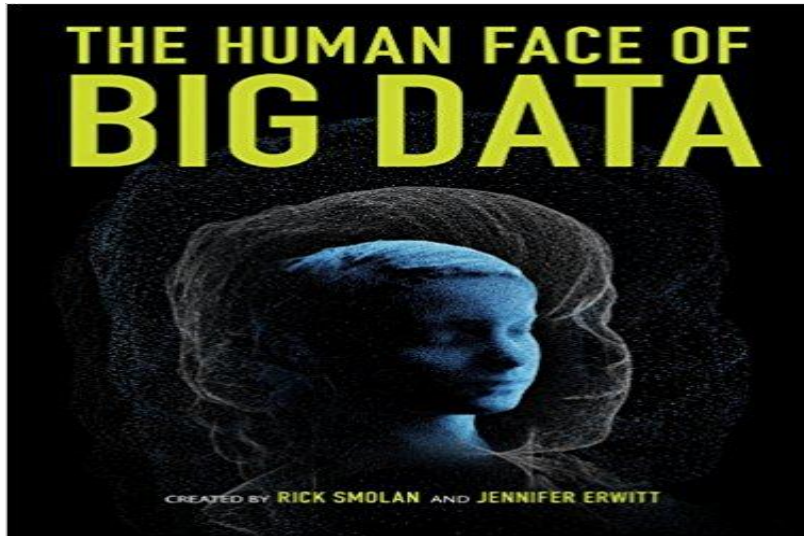
Systematic Reviews
系统综述

Research Impact
研究影响

Big Data: Next big information explosion

大数据：下一场信息大爆炸

- i. News新闻
- ii. Academia学术
- iii. Commercial商业
- iv. Publishing出版



Research Data Management Partnerships

数据科学合作伙伴关系



Library Connect
Partnering with the Library Community

Articles | Webinars | Downloads | Contributors | Newsletter | Product Resources

Home >> Articles >> Exploring the need for a research data management librarian academy

Exploring the need for a research data management librarian academy

Library Connect article & Survey link: <https://bit.ly/2r1YHFi>

Library Connect文章和调查链接: <https://bit.ly/2r1YHFi>

Research Data
Management Librarian
Academy

研究数据管理馆员学院

Research Data Management Librarian Academy Survey

Several university librarians are partnering with Elsevier to study the need for a Research Data Management (RDM) Librarian Academy to offer online RDM training. An inventory of existing courses is being created as one project outcome. A needs assessment is being conducted to identify gaps in current training offerings to understand what librarians need to learn to contribute to their success. The project team includes librarians from Harvard Medical School, Tufts Health Sciences, MCPHS University, Boston University School of Medicine and Simmons College.

Please take a few minutes to complete this RDM training needs survey so the resulting program meets your needs.

Thank you for your guidance.

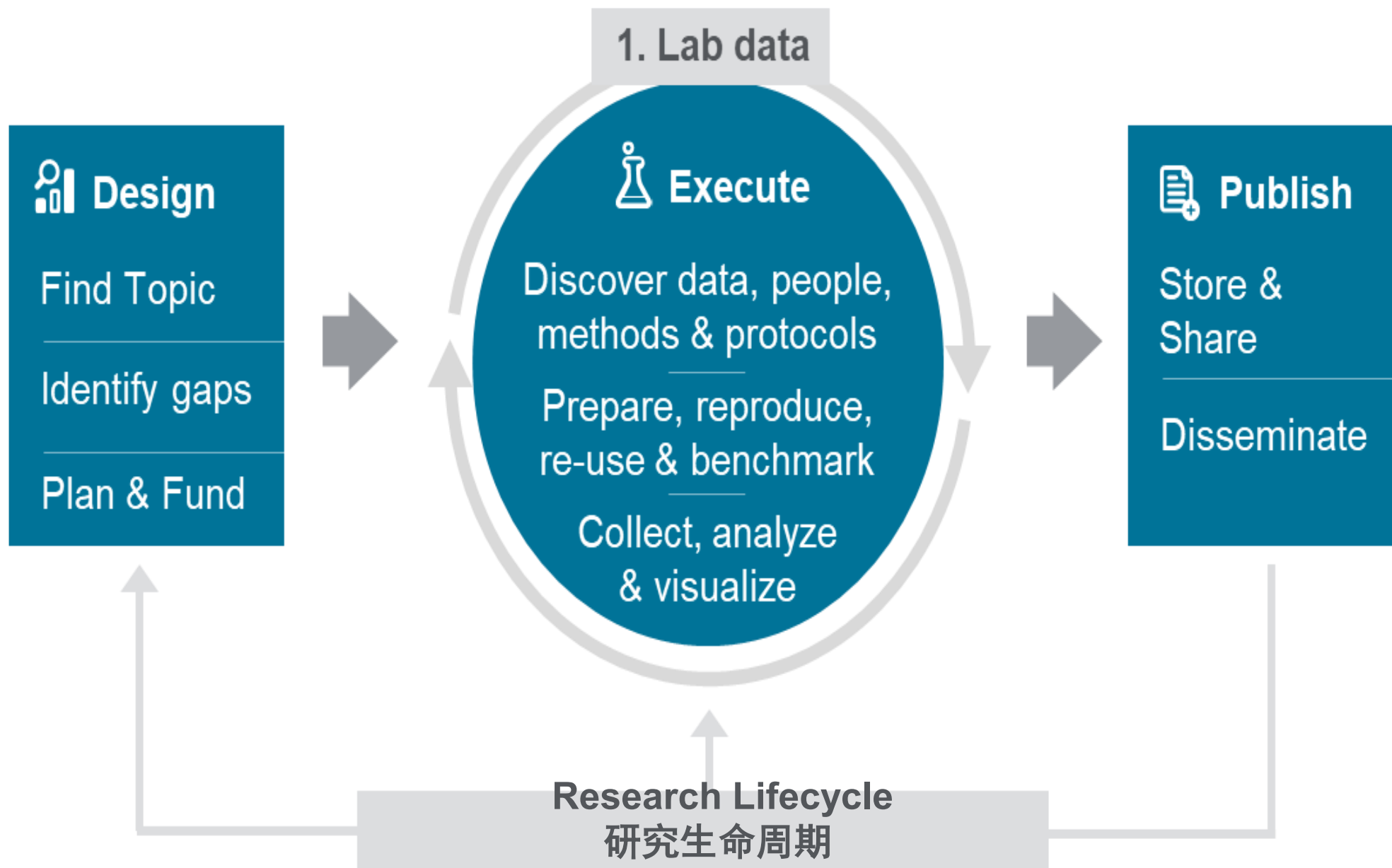


Elsevier's Solutions for Supporting Open Science

爱思唯尔的开放科学解决方案



Research lifecycle



Mendeley Data



Benefits for researchers:

- **Keep track** of your data inside and outside your institution
- **Comply** with funders' mandates
- **Improve impact:** increase data reuse

Benefits for institutions:

- **Prevent re-work:** save time searching, collecting and sharing data
- **Showcase** institutional research outputs
- **Improve** collaborations within/across institutions

How we deliver:

1. **Open** system & open API's; modular approach enables integrations across many research data solutions
2. **Data** remains at/owned by institution
3. **System** is integrated with the researcher workflows: we make it simple & obvious
4. **Your researchers** keep working like they do today while avoiding additional bureaucracy & administration

University of Utah Case Study 犹他大学案例研究

Partnering with Researchers 与研究人员合作

- CTSA 临床科学转化奖
- **MyRA** 我的研究助理
- Systematic Review Core 系统综述核心

- **Research Reproducibility** 研究可重复性
- Researcher Impact 研究的影响
- Data Services Librarian 数据服务馆员
- **Innovation Librarian** 创新馆员



My Research Assistant (MyRA) 我的研究助理

Purpose 目的:

To develop a virtual and physical collaborative space that serves primarily clinical translational researchers by providing a shared workspace and access to a variety of relevant resources and tools.

开发一个虚拟和实体协作空间，主要服务于临床转化研究人员，为他们提供一个共享工作空间，让他们能够访问一系列相关资源和工具。

The screenshot displays the website for the Office of Sponsored Projects at the University of Utah. The header includes the university logo and navigation links: ABOUT, RESOURCES, GRANT LIFE CYCLE, TRAINING, GRANTS TOOLBOX, and POLICIES. The main heading is "OFFICE OF SPONSORED PROJECTS" with the subtitle "VP for Research". Below this, there is a breadcrumb trail: Home / Grant Life Cycle. The main content area is titled "Grant Life Cycle" and contains a list of six steps: Step 1: Generate Your Idea, Step 2: Find Funding, Step 3: Develop Your Proposal, Step 4: Submit Your Proposal, Step 5: Manage Your Award, and Step 6: Share Your Research. To the right of the list is a circular diagram illustrating the Grant Life Cycle process, with each step represented by an icon and a label: Step 1: Generate Your Idea (gears), Step 2: Find Funding (magnifying glass), Step 3: Develop Your Proposal (laptop), Step 4: Submit Your Proposal (checkmark), Step 5: Manage Your Award (building), and Step 6: Share Your Research (people).

Grant Life Cycle

The Grant Life Cycle provides an overview of the entire research proposal submission and administration process. The Life Cycle helps you to understand research policies and procedures and walks you through the challenges of finding funding and applying for and administering grants.

Grant Life Cycle

Step 1: Generate Your Idea
Step 2: Find Funding
Step 3: Develop Your Proposal
Step 4: Submit Your Proposal
Step 5: Manage Your Award
Step 6: Share Your Research

My Research Assistant (MyRA) 我的研究助理



**Offer help along
the research
lifecycle**

**在研究生命周期中
提供帮助**



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- **Innovation Librarian** 创新馆员

RESEARCH REPRODUCIBILITY

#MakeResearchTrue

#UTAHRR 18



Research Reproducibility

November 14-15, 2016 | #UtahRR16

#MakeResearchTrue



HILDA BASTIAN



DAVID MOHER

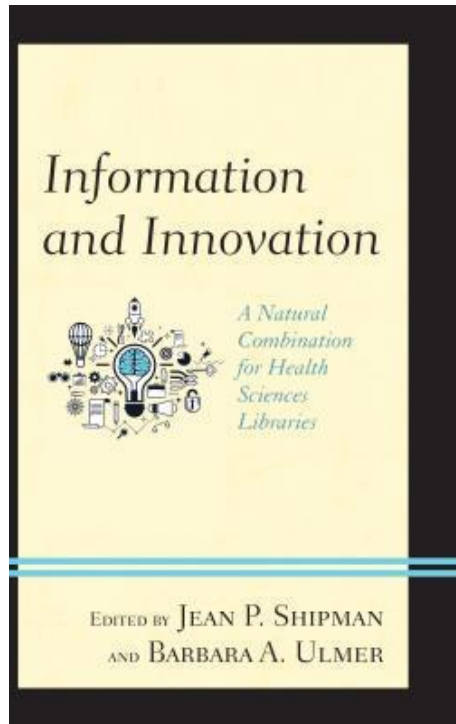


JOHN IOANNIDIS

INNOVATION PARTNER



Information and Innovation Book 《信息与创新》图书



Information and Innovation: A Natural Combination for Health Sciences Libraries

by Jean P. Shipman (Editor), Barbara A Ulmer (Editor)

As academic health sciences centers look toward innovative product development as their new income source with the decline of clinical income and research dollars, health sciences librarians and libraries can partner with these revenue-generating innovators to offer invaluable services, evidence, training, dissemination venues and attractive collaborative physical spaces e ...more



Thank you!

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