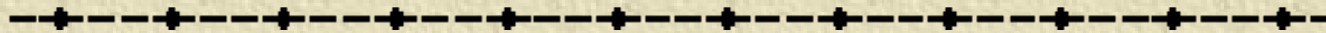


Repositories as Platforms for Research e-Portfolios



Susan Gibbons

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University of Rochester

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Content Recruitment Problems

✦ If you build it, they may not come

✦ Why?

- ✦ 2003-04 faculty work practice study
- ✦ Dr. Nancy Foster, anthropologist
- ✦ Disciplines = Tribes
- ✦ How researchers do research and write, and the digital tools they use

General Findings

✦ **Copyright confusion**

✦ Need authoring/document management systems

✦ Personal vs. Institutional

✦ Time

✦ Benefits

Copyright Confusion

✦ Sherpa/Romeo

✦ Create local databases of articles

- ✦ ISI Citation Index

- ✦ Science Direct (Elsevier)

General Findings

- ✦ Copyright confusion
- ✦ **Need authoring/document management systems**
- ✦ Personal vs. Institutional
- ✦ Benefits
- ✦ Time

Graduate Student Research Project



- ✦ 2-year, grant-funded project
- ✦ Work practices of graduate students, focusing on the dissertation
- ✦ “Keep found things found”
- ✦ Authoring & co-authoring
- ✦ Google Docs model
- ✦ Front end to Fedora repository



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General Findings

- ✦ Copyright confusion
- ✦ Need authoring/document management systems
- ✦ **Personal vs. Institutional**
- ✦ Benefits
- ✦ Time

Researcher Page: Charles Phelps

▼ Research

▼ Books

[Free for All? Lessons from the RAND Health Insurance Experiment](#) (link)

JP Newhouse and the RAND Health Insurance Experiment Group. Cambridge, MA: Harvard University Press, 1993. (Link to Amazon.com)

[Health Economics, 3rd Edition](#) (link)

CE Phelps. Addison-Wesley, 2002. (Link to Amazon.com)

[Transforming Ideas: Selected Profiles in University of Rochester Research and Scholarship](#) (link)

R. Kraus and CE Phelps, Eds. Rochester, NY: University of Rochester Press, 2000. (Link to Amazon.com)

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[My CV](#)

Research Interests

Issues relating to scholarly communication and digital technologies, health economics and policy, the

[weirare Loss from Variations: Further Considerations \(link\)](#)

Journal of Health Economics, 1995; 14(2): 253-256 (CE Phelps).

▼  **Working Papers**

["Safe Aggregation?" The Consequences of Aggregating Across Procedures and Medical Specialties in the Analysis of Medical Practice Variations](#)

[A Clinically Meaningful Measure of the Difference Between Diagnostic Technologies](#)

[A Critique of and Strategy for Using Alternative Approaches to Evaluate Medical Practices](#)

[A General Strategy for Efficiently Selecting Eyepiece Sets](#)

[A Strategy for Using Alternative Approaches to Evaluate Medical Practices](#)

[Achieving Maximal Value from Digital Technologies in Scholarly Communication](#)

[An Economic Model of a University](#)

[Benefit/Cost Analysis of the Memphis New-Mothers Nurse Intervention](#)

[Charges or Costs?](#)

[Coinsurance and the Demand for Medical Services](#)

[Comments on](#)

[Deductibles and the Demand for Medical Services: The Theory of the Consumer Facing a Variable Price Schedule Under Uncertainty](#)

[Demand for Health Insurance: A Theoretical and Empirical Investigation](#)

[Designing and Building a House](#)

[Doctors Have Styles -- and They Matter!](#)

Researcher Page: Sarah Shreeves

▼ Research

▼ Collection level description

[Describing OAI Sets: A Discussion Paper](#)
[Developing a Collection Registry for IMLS National Leadership Grant Digital Collections](#)
[Sharing resources by collection: OAI sets and set descriptions](#)

▼ Digital preservation

[IDEALS Digital Preservation: Current Status and Future Directions](#)

▼ Interoperability

[Describing OAI Sets: A Discussion Paper](#)
[Utility of an OAI Service Provider Search Portal](#)

▼ Shareable metadata

[Is 'Quality' Metadata 'Shareable' Metadata? The Implications of Local Metadata Practices for Federated Collections](#)
[Metadata for you and me: Moving towards more shareable metadata](#)
[Search and Discovery Across Collections: The IMLS Digital Collections and Content Project](#)



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Research Interests

Digital libraries, interoperability, shareable

Christopher Del Mar

[BROWSE CONTENTS] [SEARCH] [HSM WEBSITE]

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FAFPHM



Christopher Del Mar

Professor

Faculty of Health
Sciences and Medicine

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Journal Articles

- **Rachel Green and Chris Del Mar** (2006) [Research papers submitted to Australian Family Physician - types and timelines](#)
- **Mark Jones and Chris Del Mar** (2006) [Safety of neuroaminidase inhibitors for influenza.](#)
- **Michael J. Yelland, C. Jane Nikles, Norma McNairn, Chris Del Mar, Philip J. Schluter, and R. M. Brown** (2006) [Do n-of-1 trials of celecoxib compared to sustained-release paracetamol change patient use of drugs for osteoarthritis?](#)
- **Peter D. Baade, Chris Del Mar, John B. Lowe, Warren R. Stanton, and Kevin P. Balanda** (2005) [Clinical diagnosis and management of suspicious pigmented skin lesions: A survey of GPs](#)
- **Jackie Holt and Chris Del Mar** (2005) [Psychological distress among GPs: Who is at risk and how best to reach](#)

General Findings

- ✦ Copyright confusion
- ✦ Need authoring/document management systems
- ✦ Personal vs. Institutional
- ✦ **Benefits**
- ✦ Time

Benefits



✦ Increased citation (too general)

✦ Download statistics

Community: [Visual and Cultural Studies](#)Collection: [VCD Dissertations](#)**Document: Mendelssohn to Mendelsohn: Visual Case Studies of Jewish Life in Berlin**Please use this identifier to cite or link to this item: <http://hdl.handle.net/1802/689>**Files in This Item:**

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The repository is a service of the **eScholarship initiative** of the **California Digital Library**. Research and scholarly output included here has been selected and deposited by the individual University of California units.

paper of the day

The NRS Transect 11:2 (fall 1993)
by UC Natural Reserve System

*UC Natural Reserve System,
University of California,
Office of the President*

New!
Postprints

General Findings

- ✦ Copyright confusion
- ✦ Need authoring/document management systems
- ✦ Personal vs. Institutional
- ✦ Benefits
- ✦ **Time**

E-Portfolios

- ✦ Hot campus topic
- ✦ Consistent web portfolios
- ✦ Grant and other CV needs
- ✦ Data mining potential
 - ◆ Reports
 - ◆ Public relations
 - ◆ Alumni relations

Can IRs be adapted to e-Portfolios?

✦ Portfolio@Duke University

✦ Rochester's Researcher Pages

✦ Cornell Univ.'s Vivo

✦ Univ. of Melbourne's "Find An
Expert"

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Portfolio @ Duke

Thursday April 26, 2007

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Researcher Page: Charles Phelps

▼ Research

▼ Books

[Free for All? Lessons from the RAND Health Insurance Experiment](#) (link)

JP Newhouse and the RAND Health Insurance Experiment Group. Cambridge, MA: Harvard University Press, 1993. (Link to Amazon.com)

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Research Interests

Issues relating to scholarly communication and digital technologies, health economics and policy, the



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faculty member in


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member of graduate field

- [Biochemistry, Molecular and Cell Biology](#) | graduate field | [Graduate School Field web page](#) | [Graduate Field of Biochemistry, Molecular and Cell Biology](#)
- [Biophysics](#) | graduate field | [Graduate School Field web page](#) | [Graduate Field of Biophysics](#)
- [Chemistry and Chemical Biology](#) | graduate field | [Graduate School Field web page](#) | [Graduate Field of Chemistry and Chemical Biology](#)

primary investigator of

- [ADVANCED PHOTON SOURCE - USER AGREEMENT BETWEEN CORNELL UNIVERSITY AND ARGONNE NATIONAL LABORATORY \(NE-CAT\)](#) | Research Grant
- [AN UNDULATOR RESOURCE FOR STRUCTURAL BIOLOGY](#) | Research Grant
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- [PURINE BIOSYNTHESIS ENZYMES](#) | Research Grant
- [RATIONAL DESIGN OF INHIBITORS OF POLYAMINE SYNTHESIS](#) | Research Grant

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co investigator of

- [MECHANISTIC ENZYMOLOGY OF QUINOLINIC ACID BIOSYNTHESIS](#) | Research Grant

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teaches

- [Introduction to Biomolecular Structure](#) | 2 credit course | [BIOBM 233 / CHEM 233](#)
- [Macromolecular Crystallography](#) | 3 credit course | [BIOBM 738 / CHEM 788](#)

author of

- [Crystal structure of an aminoimidazole riboside kinase from Salmonella enterica: Implications for the evolution of the ribokinase superfamily](#) | journal article | [via Crossref - ScienceDirect \(tm\)](#)
- [Enzymatic reactions involving novel mechanisms of carbanion stabilization](#) | journal article | [via Crossref - ScienceDirect \(tm\)](#)
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- [The crystal structure of 5 '-deoxy-5 '-methylthioadenosine phosphorylase II from Sulfolobus solfataricus, a thermophilic enzyme stabilized by intramolecular disulfide bonds](#) | journal article | [via Crossref - ScienceDirect \(tm\)](#)

featured in

- [Cornell researchers take step in deciphering what proteins look like through discovery of new family member important in making DNA](#) | Cornell Chronicle feature | [11/3/04 News Release](#)

speaker at

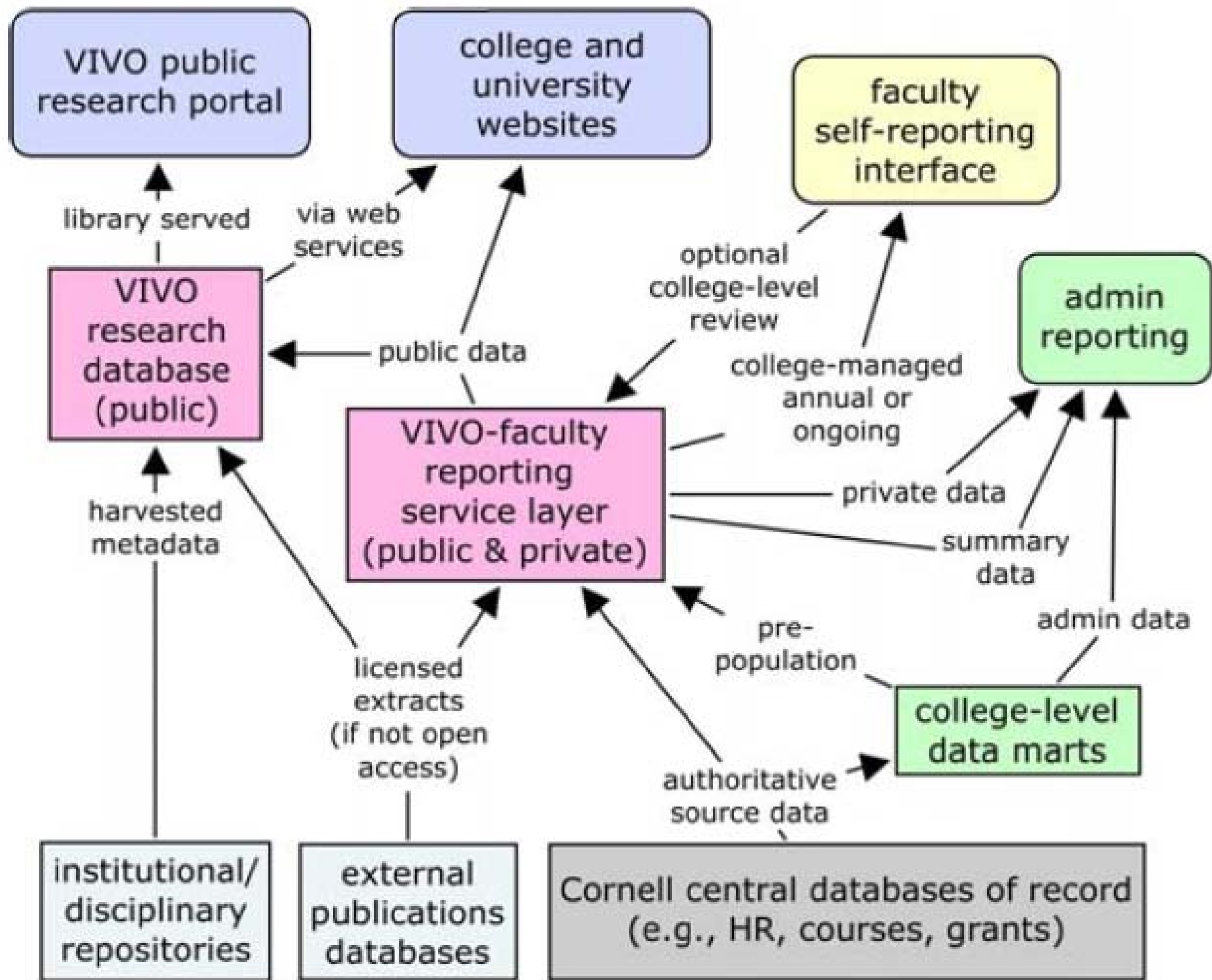
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"We use X-ray crystallography to study the three-dimensional structures of proteins. The structural information is used for drug design, protein engineering, to understand catalytic mechanisms, and to explore protein evolution. Our group is also involved in the development of tools and techniques associated with synchrotron radiation, especially multiple wavelength anomalous diffraction (MAD). Our main projects include studies of enzymes involved in purine nucleotide metabolism and pyrimidine nucleotide metabolism, studies of enzymes involved in co-factor biosynthesis, especially thiamin biosynthesis, and enzymes involved in polyamine biosynthesis.

Because of the role of purine and pyrimidine nucleotide metabolism in diseases such as cancer and viral infection, many of the enzymes involved are targets for drug design. We have focused considerable effort on nucleoside phosphorylases, which are found in both purine and pyrimidine pathways. Purine nucleoside phosphorylase is required for T-cell development while thymidine phosphorylase has been associated with angiogenesis. In collaboration with Professor Eric Sorscher, University of Alabama Medical School and Dr. William Parker, Southern Research Institute, we also study bacterial purine nucleoside phosphorylase because of its application in prodrug activation via gene therapy. Together with our collaborator, Professor JoAnne Stubbe at MIT, we are investigating enzymes involved in purine biosynthesis. Systematic investigation of an entire biochemical pathway provides important clues about protein evolution.

We are also interested in co-factor biosynthesis. We are currently focusing our efforts in this area on thiamin biosynthesis. Many of the reactions catalyzed by these enzymes involve unprecedented chemistry and elucidation of catalytic mechanism is a major goal. By studying these enzymes, we have also discovered interesting evolutionary links to other pathways. Our main collaborator for these studies is Professor Tadhg Begley of Cornell.

Polyamines have been implicated in many biological processes. Because of their alternating positive and hydrophobic regions, polyamines are able to bind to protein and nucleic acids in unique ways. Production of polyamines is highly regulated and is correlated with the cell cycle. We study enzymes



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Can IRs be adapted to e-Portfolios?

✦ Stand-alone IR

- More robust than DSpace and EPrints
- Complex object types and relationships
- Fedora?

✦ IR as Component

- E-Portfolios link to objects in IR
- IR provides metadata for those objects

IR as E-Portfolio Component

✦ Inputs:

- ◆ Data from HR, registrar, grants, **publications**, committees, awards, affiliations, etc.
- ◆ Self-reporting

✦ Outputs:

- ◆ Consistent web portfolios
- ◆ Reports
- ◆ Formatted CVs
- ◆ Find expertise, patterns

Advantages for IRs

✦ E-Portfolios are high level initiatives

- ✦ Sustainability

- ✦ Visibility

✦ Content

- ✦ Shifting content recruitment burden

- ✦ More of it

Advantages for Faculty

✦ Personal vs. Institutional

- ✦ Far clearer

✦ Benefits

- ✦ CV creation
- ✦ Webpage creation
- ✦ Publicize expertise

Advantages for Faculty

Time

- ◆ Ingest data automatically
- ◆ Merge multiple reporting streams
 - Academic reviews, RAE
- ◆ Customized CVs

Disadvantages



✠ ???