

Jennifer A. S. Ferguson
Holliston, MA 01746
<http://jasf.us>

EDUCATION

Master of Science in Library and Information Science
Syracuse University, Syracuse, NY: August 2008.

Master of Science in Biology
Boston College, Chestnut Hill, MA: 1996.
Dissertation topic: Analysis of *S. pombe* mitochondrial DNA by pulsed-field gel electrophoresis.

Bachelor of Science in Biological Sciences with Chemistry minor
Western Michigan University, Kalamazoo, MI: 1989.

SKILLS

Experienced user of electronic reference resources, including DIALOG, PubMed, Web of Science and other commercial databases
Database creation and management (SQL, Access, Visio, SQL Server)
Instructional experience (5+ years)
Copyright status research skills
HTML
Web 2.0 technologies including RSS, blogging, creating and editing wikis
Office skills: Word, Excel, PowerPoint, EndNote, Photoshop, FileMaker Pro
MARC21 record creation using OCLC Connexion cataloging system
Dublin Core metadata record creation

INTERESTS

Academic science libraries, open access initiatives in scholarly publishing, scientific collaboration tools, digital libraries, digital preservation.

PROFESSIONAL ACTIVITIES

Project Gutenberg volunteer distributed proofreader
Virtual Reference Desk/DREI volunteer, specializing in science reference
Member of SLA, ALA/MLA, and ACRL
Publication: "Tips from the Trenches" (March 2007), www.liscareer.com
Regular listserv reader, including LIBLICENSE, COLLIB, DIGLIB, ERECS, DIGIPRES

AWARDS

2008 SLA Pharmaceutical & Health Technology division travel grant recipient
Kay Bader Scholarship recipient
Phi Kappa Phi honor society
Selected blogger for 2007 MLA annual conference

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EXPERIENCE

Intern - Wellesley College Libraries, Wellesley, MA: 2007.

Worked with the Archivists' Toolkit, an open-source database solution with a MySQL backend that provides archival materials tracking and automatic generation of documents such as EAD finding aids and MARCXML. Populated and tested the database with ingested data and evaluated outcomes. Tested data integrity and evaluated reporting mechanisms and value of exported documents.

Research Assistant - Wellesley College, Wellesley, MA: 2006-present.

Conducting research into the cell cycle process in the yeast *S. cerevisiae*, with particular emphasis on the roles played by subcellular protein localization and nuclear and cytoplasmic protein transport in control of the cell cycle. Additional duties include reagent preparation, database maintenance, purchasing, and general laboratory support.

Technical Assistant - MIT Biology Department, Cambridge, MA: 1998-2006.

Technical Instructor - MIT Biology Department, Cambridge, MA: 1998.

Coordinated efforts with students, faculty and staff members to provide instruction and technical support for biology lab course. Duties included large-scale biomaterial preparation such as *E. coli* strains and bacteriophage stocks; preparation of reagents, chemicals and media; troubleshooting and quality control of experiments. Directly supervised undergraduate teaching assistants. Served as course webmaster and lab safety officer.

Research Associate - Brandeis University, Waltham, MA: 1996-1998.

Conducted research on the crystallization of fibrinogen and various proteins involved in muscle contraction. Other responsibilities included training and supervision of students.

Graduate Teaching Assistant - Boston College, Chestnut Hill, MA: 1994-1996.

Biology Instructor - Massasoit Community College, Brockton, MA: 1992-1994.

Chemistry Instructor - Glen Oaks Community College, Centreville, MI: 1992.

Taught introductory level chemistry and biology courses. Responsibilities included selection of course topics, lecturing, constructing quizzes, practical examinations, homework and tests, organizing course content, and planning, preparation and implementation of laboratory sessions for thirty to eighty students per semester.