Stanford

Amy E. Hodge

Science Data Librarian, Research Data Services Admin

Bio

BIO

Amy earned a PhD in Molecular Biophysics and Biochemistry from Yale University, where she studied cell cycle regulation in the yeast Saccharomyces cerevisiae. Prior to joining Stanford Libraries in 2012, Amy worked on scientific databases in the biotech and biofuels industries, developing methods for collecting and synthesizing sophisticated information into easy-to-understand formats.

CURRENT ROLE AT STANFORD

Amy assists members of the Stanford community with the sharing and preservation of research data and other research products in the Stanford Digital Repository (SDR). She serves as the Product Owner for the Libraries' self-deposit application for the SDR its data catalog, DataWorks. Amy assists researchers with large data deposits for the SDR and co-manages Stanford Libraries' campus DOI service.

EDUCATION AND CERTIFICATIONS

- PhD, Yale University , Molecular Biophysics and Biochemistry
- MPhil, Yale University , Molecular Biophysics and Biochemistry
- BS, Centre College of Kentucky , Biochemistry and Molecular Biology
- Agile Scrum Product Owner, Scrum Alliance/Agile Learning Labs (2017)
- Agile ScrumMaster, Scrum Alliance/Agile Learning Labs (2017)
- Certified Instructor Trainer, Software/Data Carpentry (2017)
- Certified Instructor, Software/Data Carpentry (2015)

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Vice President and Board Member (2005 - 2006)

LINKS

- Stanford Digital Repository: https://sdr.library.stanford.edu/
- DOI services: https://library.stanford.edu/dois-digital-object-identifier
- LinkedIn Page: http://linkedin.com/in/amyehodge

Professional

WORK EXPERIENCE

- Director of Curation Research - Garbrook Knowledge Resources (September 2007 - December 2008)
- Database Editor - Garbrook Knowledge Resources (February 2007 - August 2007)

- Scientific Curator - Pharmacogenomics Knowledgebase (PharmGKB), Stanford University (April 2006 - January 2007)
- Editor, Proteome Databases - Biobase Corporation (February 2005 - March 2006)
- Editor, Proteome Databases - Incyte Corporation (January 2001 - February 2005)
- Scientific Curator - Proteome, Inc. (February 2000 - January 2001)
- Instructor of Microbiology - Midway College (July 2000 - December 2000)

SKILLS AND EXPERTISE

Information Technology

- Application Development
- Data Management
- Project Management
- Research Data
- Service Management

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, Stanford CORES Executive Committee (2020 - present)
- Member, DataCite Community Engagement Steering Group (2018 - present)
- Member, PLOS Data Guidelines Board (2015 - present)
- Chair of Executive Council, The Carpentries (2019 - 2019)
- Elected Member of Executive Council, The Carpentries (2018 - 2020)
- Invited Member, DataONE Community Engagement & Outreach Working Group (2014 - 2016)
- Mentor, Association for Women in Science (2014 - 2015)
- Invited Participant, NSF-sponsored iNeuro workshop (2014 - 2014)

Publications

PUBLICATIONS

- **Using Peer Review to Support Development of Community Resources for Research Data Management** *Journal of eScience Librarianship*
  Soyka, H. E., Budden, A., Hutchinson, V., Bloom, D., Duckles, J., Hodge, A., Mayernik, M., Poisot, T., Rauch, S., Steinhart, G., Wasser, L., Whitmire, A. L., Wright, et al
  2017

- **Making the Case for Institutional Data Repositories** *Curating research data, Practical strategies for your digital repository*
  Vitale, C. R., Carlson, J., Hodge, A. E., Hswe, P., Johns, E., Johnston, L. R., Kozlowski, W., Nurnberger, A., Petters, J., Rolando, E., Shorish, Y., Schneider, J., Zilinski, et al
  edited by Johnston, L. R.
  Chicago Association of College and Research Libraries.2017

- **The PharmGKB: integration, aggregation, and annotation of pharmacogenomic data and knowledge** *CLINICAL PHARMACOLOGY & THERAPEUTICS*
  Hodge, A. E., Altman, R. B., Klein, T. E.
  2007; 81 (1): 21-24

- **The cyclin-dependent kinase inhibitory domain of the yeast Sic1 protein is contained within the C-terminal 70 amino acids** *MOLECULAR AND GENERAL GENETICS*
  Hodge, A., Mendenhall, M.
  1999; 262 (1): 55-64

- **Analysis of the Saccharomyces cerevisiae cyclin-dependent kinase inhibitor Sic1 [Dissertation]**

Hodge, A. E.
Yale University. New Haven, CT.
1999

- **Regulation of cdc28 cyclin-dependent protein kinase activity during the cell cycle of the yeast Saccharomyces cerevisiae** *MICROBIOLOGY AND MOLECULAR BIOLOGY REVIEWS*
  Mendenhall, M. D., Hodge, A. E.
  1998; 62 (4): 1191-?