

# Carrie L. Iwema, PhD, MLS, AHIP

Coordinator of Basic Science Services

University of Pittsburgh—Health Sciences Library System  
Falk Library—200 Scaife Hall—3550 Terrace St  
Pittsburgh, PA 15261  
(412) 383-6887

[iwema@pitt.edu](mailto:iwema@pitt.edu)

[www.hsls.pitt.edu/molbio](http://www.hsls.pitt.edu/molbio)

[www.hsls.pitt.edu/data-services](http://www.hsls.pitt.edu/data-services)

[info.hsls.pitt.edu/molbio](http://info.hsls.pitt.edu/molbio) (blog)

## EDUCATION

### Degrees

- 2004-2006 MLS Library Science; Special Libraries Track, Southern Connecticut State University  
1993-2001 PhD Neuroscience, SUNY Upstate Medical University. Supervisor: James E. Schwob  
1988-1992 BS Psychology w/Honors; French minor, Indiana University. Supervisor: Dale R. Sengelaub

### Certifications

- 2020- Data Carpentry Instructor Certification, The Carpentries, <https://carpentries.org/>  
2018-2023 Academy of Health Information Professionals (AHIP), Distinguished Level, Medical Library Association (MLA)  
2013-2018 Academy of Health Information Professionals (AHIP), Senior Level, Medical Library Association (MLA)

### Postgraduate Training & Fellowships

- 2020 ASAPbio Fellow, Accelerating Science and Publication in biology, <https://asapbio.org/>  
2019 Bioinformatics and Biology Essentials for Librarians, National Library of Med., Bethesda, MA.  
2017 Programming for Biology, Cold Spring Harbor Laboratory, Cold Spring Harbor, MA.  
2016 The Genome Access Course, Cold Spring Harbor Laboratory, Cold Spring Harbor, MA.  
2007 NCBI Advanced Workshop for Bioinformatics Information Specialists, National Library of Med., Bethesda, MA.  
2007 Medical Informatics MBL/NLM Course Fellow, Marine Biological Lab, Woods Hole, MA.  
2001-2005 Postdoc in Department of Neurosurgery, Yale University School of Medicine. Supervisor: Charles A. Greer

### Undergraduate Training

- 1991 Summer Research Fellow, Psychology Dept., Indiana University, Bloomington, IN.

## EMPLOYMENT

### Academic Appointments

- 2018- Faculty Librarian III—Coordinator of Basic Science Services, Health Sciences Library System, University of Pittsburgh  
2014- Secondary Appointment, Clinical and Translational Science Institute, University of Pittsburgh  
2007-2018 Faculty Librarian II—Molecular Bioinformantist, Health Sciences Library System, University of Pittsburgh  
2006-2007 Basic Science Librarian, Welch Medical Library, Johns Hopkins Medical Institutions

### Library Employment

- 2005-2006 Reference Intern, Cushing/Whitney Medical Library, Yale University School of Medicine, New Haven, CT.  
2005-2006 Circulation Assistant, Miller Memorial Library, Hamden, CT.  
2005 Summer Intern, Bayer Institute for Health Care Communication, New Haven, CT.  
1997-1999 Circulation Assistant, Health Sciences Library, SUNY Upstate Medical University, Syracuse, NY.  
1990 Library Assistant, Main Library, Indiana University, Bloomington, IN.  
1987-1988 Library Page, Nora Branch Library, Indianapolis, IN.

## AWARDS

- 2019 Medical Library Association President's Award in Recognition of Outstanding Work on the MLA Education Steering Committee, the Oversight and Coordinating Body for MLA Education  
2017 National Network of Libraries of Medicine-Middle Atlantic Region Professional Development Award  
2016 Medical Informatics Section / Medical Library Association Career Development Grant  
2016 Medical Library Association President's Award in Recognition of Outstanding Work Implementing a New Way of Selecting and Providing Programming for MLA Annual Meetings  
2010 1st Place Contributed Paper Medical Library Association Research Section Annual Meeting Research Award

2006	Lynda Moulton Award for Outstanding Student in the Special Library Program, Southern Connecticut State University, Department of Information and Library Science, Hamden, CT.
2006	Biennial Scholarship Award, Connecticut Valley Chapter of the Special Libraries Association
2003	Photomicrograph from research article in the Journal of Comparative Neurology, 459:209-222 cover photo
2003	Brown-Coxe Postdoctoral Fellowship in the Medical Sciences, Yale University Sch. Medicine, New Haven, CT.
1998	Graduate Student Volunteer/Service Award, MoST/SUNY Upstate Medical University, Syracuse, NY.
1992	Honors Thesis in Psychology, Indiana University, Bloomington, IN.

## TEACHING

### Continuing Education Courses

12/9/2015	Precision Medicine: What is it & why should I care? (MLA webinar)
5/16/2015	Personalized Genetic Medicine: What Does It Mean? (2 hour)
5/16/2014	Genetics for Librarians: From Bench to Bedside (6 hour)
2012-2015	Personal Genomics, Personalized Medicine, and You (4 hour)
2012-2013	ABCs of DNA: unraveling the mysteries of genetic information for consumers (4 hour)

### Workshop & Consultation Topics

2021-	Peer Review
2020-	Preprints
2020-	Visual Abstracts
2020-	Command Line Basics
2017-	Pitt Data Catalog, <a href="https://datacatalog.hsls.pitt.edu/">https://datacatalog.hsls.pitt.edu/</a>
2017-	Pitt Resources for Bioinformatics Data Analysis
2016-	Electronic Lab Notebooks / LabArchives
2015-	NIH Genomic Data Sharing
2013-	Data Management Plans / DMPTool
2010-	Literature Informatics
2008-	DNA Analysis Tools / Primer Design & Restriction Analysis

### Mentoring

2013-	How-To Talks by Postdocs series, <a href="https://hsls.libguides.com/postdocsHowTo">https://hsls.libguides.com/postdocsHowTo</a>
2010-2011	Using Social Media to Identify Biomedical Resources, Robyn Reed
2009-2010	Evaluation of a Specialized Bioinformatics Resources Tool, Katrina Kurtz

## PROFESSIONAL ACTIVITY

### Cross-Institutional Initiatives

2020-	Data Discovery Collaboration, Member of Communications core group
2019-2020	Data Discovery Collaboration, Member of Outreach Working Group
2017-2019	Data Catalog Collaboration Project, Coordinator of Basic Science Working Group

### Professional Memberships

2021-	Community Action Group, ASAPbio
2020-	Scholarly Communications Caucus, Medical Library Association
2020-	Research Caucus, Medical Library Association
2016-	Data Special Interest Group, Medical Library Association
2010-	Medical Informatics Section, Medical Library Association
2005-	Molecular Biology & Genomics Special Interest Group, Medical Library Association
2005-	Medical Library Association
2000-2007	Association for Chemoreceptive Sciences
1992-2007	Society for Neuroscience

### Committees

2018-2020	Member, Annual Meeting Innovation Task Force, Medical Library Association
2017-2020	Member, Education Steering Committee, Medical Library Association
2016-2017	Chair, Continuing Education Committee, Medical Library Association
2016-2017	Member, Education Planning Workgroup, Medical Library Association
2015-2016	Lightning Talks Coordinator, Joint Planning Committee, Mosaic'16, Medical Library Association
2015-2016	Chair Designate, Continuing Education Committee, Medical Library Association

- 2014-2015 Chair, Grants & Scholarships Committee, Medical Library Association
- 2013-2016 Member, Continuing Education Committee, Medical Library Association
- 2013-2014 Chair Designate, Grants & Scholarships Committee, Medical Library Association
- 2010-2013 Member, Grants & Scholarships Committee, Medical Library Association
- 2009-2011 Member, Faculty Assembly, University of Pittsburgh
- 2009-2011 Member, Senate Council, University of Pittsburgh
- 2009-2011 Convener, Molecular Biology & Genomics Special Interest Group, Medical Library Association
- 2009-2010 Chair, MIS/MLA Career Development Grant Jury, Medical Library Association
- 2008-2011 Member, Senate Budget Policies Committee, University of Pittsburgh
- 2008-2009 Member, MIS/MLA Career Development Grant Jury, Medical Library Association

#### Consultant

- 2021 ASAPbio Fellows project: preprints infographics content creation, <https://asapbio.org/infographics>
- 2017 National Network of Libraries of Medicine (NNLM) Bioinformatics Education Working Group, National Library of Medicine. Bethesda, MD.
- 2015 NIH/NLM BD2K training awards (Open Educational Resources for Sharing, Annotating and Curating Biomedical Big Data (R25), Welch Medical Library, Johns Hopkins Medical Institutions. Baltimore, MD.

#### Reviewer

- 2014 Book Reviewer, Doody Review Service
- 2011-2019 Research Section Awards Judge at Medical Library Association annual meeting
- 2010- Book Reviewer, Choice Reviews, American Library Association

## PUBLICATIONS

#### Book Chapters

- 2021 Wahl, S. E. & **Iwema**, C. L. No Dad I won't be stamping books: PhDs working in biomedical libraries. In *Higher Ed Careers Beyond the Professoriate*. (Book chapter proposal under consideration.)
- 2016 **Iwema**, C. L., Ratajeski, M., & Ketchum, A. Library Support for Data Management Plans. In L. Federer (Ed.), *The Medical Library Association Guide to Data Management for Librarians* (pp. 95-108). Lanham, MD: Rowman & Littlefield. Retrieved from <https://rowman.com/ISBN/9781442264267/The-Medical-Library-Association-Guide-to-Data-Management-for-Librarians>
- 2009 **Iwema**, C.L., Chattopadhyay, A. Bioinformatics. In *Encyclopedia of Library and Information Sciences*, 3rd Ed.; Bates, Marcia J., Maack, Mary Niles, Eds.; Taylor & Francis Group.

#### Datasets

- 2020 Chaparala, S., **Iwema**, C. L., & Chattopadhyay, A. SARS-CoV-2 Infections - Gene Expression Omnibus (GEO) Data Mining, Pathway Enrichment Analysis, and Prediction of Potentially Repurposable Drugs. doi: <https://doi.org/10.6084/m9.figshare.c.5007983.v4>
- 2019 **Iwema**, C. L., & Chattopadhyay, A. Molecular Biology Information Service survey on services, Health Sciences Library System, University of Pittsburgh. doi: [10.6084/m9.figshare.7565825.v1](https://doi.org/10.6084/m9.figshare.7565825.v1)
- 2018 **Iwema**, C. L., Ratajeski, M. A., Bower, M., Mattern, E., & Sowa, A. Library Services for Electronic Lab Notebooks. doi: [10.6084/m9.figshare.7089131.v1](https://doi.org/10.6084/m9.figshare.7089131.v1)
- 2017 Ratajeski, M., **Iwema**, C. L., & Ketchum, A. Data Management Practices of Health Sciences Researchers. doi: [10.6084/m9.figshare.1600993.v1](https://doi.org/10.6084/m9.figshare.1600993.v1)

#### Journal Articles

- 2020 Chaparala, S., **Iwema**, C.L., & Chattopadhyay, A. SARS-CoV-2 Infections - Gene Expression Omnibus (GEO) Data Mining, Pathway Enrichment Analysis, and Prediction of Repurposable Drugs/Compounds. *Preprints.org* doi: [10.20944/preprints202009.0459.v1](https://doi.org/10.20944/preprints202009.0459.v1) (preprint)
- 2020 Gau, K. H., Dillon, P., Donaldson, T., Wahl, S. E., & **Iwema**, C. L. Partnering with postdocs: A library model for supporting postdoctoral researchers and educating the academic community. *Journal of the Medical Library Association*. <http://dx.doi.org/10.5195/jmla.2020.902>
- 2019 Chattopadhyay, A., **Iwema**, C. L., Epstein, B. A., Lee, A. V., & Levine, A. S. Molecular Biology Information Service: An innovative medical library-based bioinformatics support service for biomedical researchers. *Briefings in Bioinformatics*. doi: [10.1093/bib/bbz035](https://doi.org/10.1093/bib/bbz035)
- 2019 Chattopadhyay, A., **Iwema**, C. L., Epstein, B. A., Lee, A. V., & Levine, A. S. Molecular Biology Information Service: An innovative medical library-based bioinformatics support service for biomedical researchers. *bioRxiv*. doi: [10.1101/530071](https://doi.org/10.1101/530071) (preprint)

- 2016 Lessick, S., Wang, L., **Iwema**, C. L., Brown, H. L., Sun, X., & Gore, S. A. Tooling up to facilitate findability, virtual collaboration, and storytelling with data. *Journal of the Medical Library Association*, 104(4), 354-362. doi:[10.3163/1536-5050.104.4.021](https://doi.org/10.3163/1536-5050.104.4.021)
- 2016 **Iwema**, C. L., LaDue, J., Zack, A., & Chattopadhyay, A. search.bioPreprint: a discovery tool for cutting edge, preprint biomedical research articles. *F1000Res*, 5, 1396. doi:[10.12688/f1000research.8798.2](https://doi.org/10.12688/f1000research.8798.2)
- 2016 **Iwema**, C. L., Ladue, J. O., Zack, A., & Chattopadhyay, A. search.bioPreprint: a discovery tool for cutting edge, preprint biomedical research articles. *F1000Research*. doi:[10.12688/f1000research.8798.1](https://doi.org/10.12688/f1000research.8798.1)
- 2016 **Iwema**, C. L., Ladue, J. O., Zack, A., & Chattopadhyay, A. search.bioPreprint: a discovery tool for cutting edge, preprint biomedical research articles. *bioRxiv*. doi:[10.1101/052563](https://doi.org/10.1101/052563) (preprint)
- 2014 Holbrook, E. H., **Iwema**, C. L., Peluso, C. E., & Schwob, J. E. The regeneration of P2 olfactory sensory neurons is selectively impaired following methyl bromide lesion. *Chemical Senses*, 39(7). doi:[10.1093/chemse/bju033](https://doi.org/10.1093/chemse/bju033)
- 2013 Reed, R. B., Chattopadhyay, A., & **Iwema**, C. L. Using Google Blogs and Discussions to Recommend Biomedical Resources: A Case Study. *Medical Reference Services Quarterly*, 32(4), 396-411. doi:[10.1080/02763869.2013.837726](https://doi.org/10.1080/02763869.2013.837726)
- 2010 Rodriguez-Gil, D. J., Treloar, H. B., Zhang, X., Miller, A. M., Two, A., **Iwema**, C., Greer, C. A. Chromosomal location-dependent nonstochastic onset of odor receptor expression. *Journal of Neuroscience*, 30(30), 10067-10075. doi:[10.1523/JNEUROSCI.1776-10.2010](https://doi.org/10.1523/JNEUROSCI.1776-10.2010)
- 2009 Rodriguez-Gil, D. J., Treloar, H. B., Miller, A., Two, A., **Iwema**, C., & Greer, C. A. Onset of odorant receptors. *Annals of the New York Academy of Sciences*, 1170, 18-20. doi:[10.1111/j.1749-6632.2009.04366.x](https://doi.org/10.1111/j.1749-6632.2009.04366.x)
- 2008 **Iwema**, C. L. Faculty of 1000 Medicine. *Journal of the Medical Library Association*, 96(4), 391-392. doi:[10.3163/1536-5050.96.4.021](https://doi.org/10.3163/1536-5050.96.4.021)
- 2008 **Iwema**, C. L. Faculty of 1000 Biology. *Journal of the Medical Library Association*, 96(3), 278-279. doi:[10.3163/1536-5050.96.3.024](https://doi.org/10.3163/1536-5050.96.3.024)
- 2007 Fargo, K. N., **Iwema**, C. L., Clark-Phelps, M. C., & Sengelaub, D. R. Exogenous testosterone reverses age-related atrophy in a spinal neuromuscular system. *Hormones and Behavior*, 51(1), 20-30. doi:[10.1016/j.yhbeh.2006.07.006](https://doi.org/10.1016/j.yhbeh.2006.07.006)
- 2004 **Iwema**, C. L., Fang, H., Kurtz, D. B., Youngentob, S. L., & Schwob, J. E. Odorant Receptor Expression Patterns Are Restored in Lesion-Recovered Rat Olfactory Epithelium. *Journal of Neuroscience*, 24(2), 356-369. doi:[10.1523/JNEUROSCI.1219-03.2004](https://doi.org/10.1523/JNEUROSCI.1219-03.2004)
- 2003 **Iwema**, C. L., & Schwob, J. E. Odorant receptor expression as a function of neuronal maturity in the adult rodent olfactory system. *Journal of Comparative Neurology*, 459(3), 209-222. doi:[10.1002/cne.10583](https://doi.org/10.1002/cne.10583)
- 2003 Ma, M., Grosmaître, X., **Iwema**, C. L., Baker, H., Greer, C. A., & Shepherd, G. M. Olfactory signal transduction in the mouse septal organ. *Journal of Neuroscience*, 23(1), 317-324. doi: [10.1523/JNEUROSCI.23-01-00317.2003](https://doi.org/10.1523/JNEUROSCI.23-01-00317.2003)
- 1999 Schwob, J. E., Youngentob, S. L., Ring, G., **Iwema**, C. L., & Mezza, R. C. Reinnervation of the rat olfactory bulb after methyl bromide-induced lesion: Timing and extent of reinnervation. *Journal of Comparative Neurology*, 412(3), 439-457. doi: [https://doi.org/10.1002/\(SICI\)1096-9861\(19990927\)412:3<439::AID-CNE5>3.0.CO;2-H](https://doi.org/10.1002/(SICI)1096-9861(19990927)412:3<439::AID-CNE5>3.0.CO;2-H)

#### Letter to Editor

- 2005 **Iwema**, C. L., Sathe, N., Lee, P., & Giuse, N. Power information user model presents worthy premise but flawed methodology (multiple letters). In *Journal of the Medical Library Association* (Vol. 93, Iss. 4, pp. 425).

## PRESENTATIONS

#### Invited Presentations

- 7/14/2021 Guest Panelist, *Taking action about preprints*, ASAPbio Fellows Program session. Virtual.
- 10/19/2016 Career Discussion Leader, Office of Academic Career Development and the University of Pittsburgh Postdoctoral Association Career Symposium. Pittsburgh, PA.
- 9/22/2016 Panelist, Bringing Rigor and Reproducibility to Research Symposium hosted by Health Sciences Library System for the University of Pittsburgh. Pittsburgh, PA.
- 10/24/2014 *The Perils & Promises of Genomic Medicine*. Medical Library Association Upstate New York & Ontario Chapter Annual Meeting. Saratoga Springs, NY.
- 5/21/2012 *Personal Genomics, Personalized Medicine, & You*. AAAS/Translational Science Medicine meeting held during Medical Library Association Annual Meeting. Seattle, WA.

#### Conference Presentations

- 2021 **Iwema**, C.L. *2 for 1: promoting preprints & librarianship as an ASAPbio Fellow*. (Lightning Talk) Medical Library Association Annual Meeting vConference
- 2020 **Iwema**, C.L. & Ratajeski, M.A. *Data Availability Statements: your "in" with researchers*. (Lightning Talk) Medical Library Association Annual Meeting vConference
- 2019 **Iwema**, C.L., Ratajeski, M.A., & Chattopadhyay, A. *Collaborating for Classes: Training Initiatives for the Mutual Benefit of Libraries and their Institutional Partners*. (Lightning Talk) Medical Library Association Annual Meeting. Chicago, IL.
- 2019 Ratajeski, M.A., & **Iwema**, C.L. *Practicing What We Preach: Making Our Own Research Data Open Access*. (Lightning Talk) Medical Library Association Annual Meeting. Chicago, IL

- 2018 **Iwema**, C.L., Ratajeski, M.A., & Chattopadhyay, A. *Programming for Biology: Learning the Language to Meet the Needs of Biomedical Researchers*. (Lightning Talk) Medical Library Association Annual Meeting. Atlanta, GA
- 2018 **Iwema**, C.L. & Ratajeski, M.A. *Creating New Research Services: Library Support for Electronic Lab Notebooks*. Medical Library Association Annual Meeting. Atlanta, GA.
- 2018 Read, K., Ratajeski, M.A., Lin, N., Contaxis, N., Lamb, I., Surkis, A., Del Baglivo, M., **Iwema**, C.L., Marchewka, J., Courneya, J.P., Zack, A., Hinegardner, P., and Gerhart, B. *Leading the Data Discovery Charge: A Cross-Institutional Collaboration to Index Research Data*. (Lightning Talk) Medical Library Association Annual Meeting. Atlanta, GA.
- 2017 Ratajeski, M. A., Ketchum, A. M., Zack, A., & **Iwema**, C. L. *Discovering Data: A Federated Search Portal of Data Journals*. Medical Library Association Annual Meeting. Seattle, WA.
- 2016 **Iwema**, C. L., Ladue, J. O., & Chattopadhyay, A. *search.bioPreprint: A Tool for Discovering Cutting Edge, Yet-to-Be Published or Reviewed Biomedical Research Articles*. Medical Library Association Annual Meeting. Toronto, ON.
- 2016 Gau, K., Dillon, P., Donaldson, T., & **Iwema**, C. L. *Crafting a Mosaic: Partnerships Between Health Sciences Librarians, Postdocs, and More*. Medical Library Association Annual Meeting. Toronto, ON.
- 2015 **Iwema**, C. L., Ketchum, A. M., & Ratajeski, M. A. *Surveys & Statistics: lessons for avoiding survey design missteps*. MLA Mid-Atlantic Chapter Annual Meeting. Asheville, NC.
- 2015 **Iwema**, C. L., Ketchum, A. M., & Ratajeski, M. A. *Surveys & Statistics: lessons for avoiding survey design missteps*. Medical Library Association Annual Meeting. Austin, TX.
- 2015 Ratajeski, M. A., Ketchum, A. M., & **Iwema**, C. L. *Data Management Reciprocity: Librarians and Researchers Teaching Each Other*. Medical Library Association Annual Meeting. Austin, TX.
- 2014 **Iwema**, C. L., & Chattopadhyay, A. *Partnering w/Postdocs: a library-hosted "how to" series taught by postdocs*. Medical Library Association Annual Meeting. Chicago, IL.
- 2014 Chattopadhyay, A., & **Iwema**, C. L. *Must-Have Web Browser-Enhancers for Biomedical Researchers*. Medical Library Association Annual Meeting. Chicago, IL.
- 2014 Ratajeski, M. A., **Iwema**, C. L., Ketchum, A. M., & Rosario, B. L. *You do what with your data!?: Using current data management practices to identify knowledge gaps of health sciences researchers*. Medical Library Association Annual Meeting. Chicago, IL.
- 2013 **Iwema**, C. L., Ketchum, A. M., & Ratajeski, M. A. *Dealing with Data: surveying researchers to understand their data management practices*. Medical Library Association Mid-Atlantic Chapter Annual Meeting. Pittsburgh, PA.
- 2012 **Iwema**, C. L., & Chattopadhyay, A. *Covering the Bases: running a library-based bioinformatics service at a health sciences university*. Medical Library Association Annual Meeting. Seattle, WA.
- 2011 **Iwema**, C. L., & Chattopadhyay, A. *Reaching the Masses: multimedia biomedical instruction @ the point of need*. Medical Library Association Annual Meeting. Minneapolis, MN.
- 2010 **Iwema**, C. L., & Yarger, F. *Can't We All Get Along?: the highs & lows of librarian/IT collaborations*. Medical Library Association Annual Meeting. Washington, DC.
- 2010 **Iwema**, C. L., Kurtz, K., & Chattopadhyay, A. (2010). *Enabling e-Science: Helping Researchers Locate Bioinformatics Resources*. (Lightning Talk) Medical Library Association Annual Meeting. Washington, DC.
- 2010 **Iwema**, C. L., & Chattopadhyay, A. (2010). *Beyond PubMed: Next Generation Literature Searching*. Medical Library Association Annual Meeting. Washington, DC.
- 2010 Kurtz, K., **Iwema**, C. L., & Chattopadhyay, A. (2010). *Going Against Goliath: Knowledge discovery using a library-developed specialized search tool versus general web search engines*. Medical Library Association Annual Meeting. Washington, DC.
- 2009 **Iwema**, C. L., & Chattopadhyay, A. *Measuring Our Success: assessment of a library-based specialized information service*. Medical Library Association Annual Meeting. Honolulu, HI.
- 2007 **Iwema**, C. L., & Brown, B. *Supporting the Independent: Developing New Information Services for Basic Science Researchers*. Medical Library Association Annual Meeting. Philadelphia, PA.
- 2006 Grosetta Nardini, H. K., Hersey, D. P., **Iwema**, C. L., & Sette, L. H. *Leaving the Labyrinth: Partners in the Publication Process*. Medical Library Association Annual Meeting. Phoenix, AZ.
- 2004 Treloar, H. B., Akins, M., **Iwema**, C. L., Dodds, T., & Greer, C. A. *Sorting and Glial-Neuronal Interactions in the Olfactory Nerve Layer*. Association for Chemoreceptive Sciences Annual Meeting. Sarasota, FL.
- 2002 Greer, C. A., **Iwema**, C. L., Akins, M. R., Tookes, H., & Treloar, H. B. *Sensory axon targeting and synapse specificity in olfactory glomeruli*. European Chemoreception Organization Annual Meeting. Erlangen, Germany.

#### Conference Posters

- 2021 **Iwema**, C.L. *Data Analysis: using the 4 C's framework to highlight researcher options*. Medical Library Association Annual Meeting vConference
- 2020 **Iwema**, C.L. & Turner, R. L. *Class Registrations & Evaluations: tips for getting actionable feedback*. Medical Library Association Annual Meeting vConference
- 2020 Members of the Data Discovery Collaboration Project. *The Data Discovery Collaboration Project: Improving Discovery in the Data Sharing Environment*. Medical Library Association Annual Meeting vConference



- 2019 Sheridan, H., Ratajeski, M.A., & **Iwema**, C.L. *Quick, Cheap, Fun: Activities Designed to Gather Feedback and Engage with Patrons*. Medical Library Association Annual Meeting. Chicago, IL.
- 2019 Members of the Data Catalog Collaboration Project. *A Multisite Collaboration to Improve Data Curation and Discovery in Academic Health Sciences Centers: The Data Catalog Collaboration Project*. Medical Library Association Annual Meeting. Chicago, IL.
- 2018 Members of the Data Catalog Collaboration Project. *The Data Catalog Collaboration Project*. Medical Library Association Mid Atlantic Chapter Annual Meeting. Ocean City, MD.
- 2017 **Iwema**, C. L., & Chattopadhyay, A. *Bio-retrospective: 15 Years as a Library-Based Molecular Biology Information Service*. Medical Library Association Annual Meeting. Seattle, WA.
- 2016 **Iwema**, C. L., Zack, A., & Chattopadhyay, A. *InfoBundles: Using Free, Simple Web Tools to Dramatically Enhance Online Information Retrieval*. Medical Library Association Annual Meeting 2016. Toronto, ON.
- 2016 Ratajeski, M. A., & **Iwema**, C. L. *DMPTool Customization for Researchers Writing Data Management Plans (DMPs)*. Medical Library Association Annual Meeting 2016. Toronto, ON.
- 2015 **Iwema**, C. L., & Chattopadhyay, A. *Managing Bioinformatics Tools*. Medical Library Association Annual Meeting. Austin, TX.
- 2013 **Iwema**, C. L., & Chattopadhyay, A. *Video-On-Demand: bioinformatics instruction when needed*. Medical Library Association Annual Meeting. Boston, MA.
- 2008 **Iwema**, C. L., LaDue, J., Yarger, F., & Chattopadhyay, A. *Biology in silico: Creation of an Online Bioinformatics Portal of Researchers, Clinicians, & Students*. Medical Library Association Annual Meeting. Chicago, IL.
- 2005 **Iwema**, C. L., Lee, J., Treloar, H. B., & Greer, C. A. *Odorant Receptor Expression in the Developing Mouse Olfactory System*. Society for Neuroscience Annual Meeting. Washington, DC.
- 2004 **Iwema**, C. L., Dodds, T., Chin, J., & Greer, C. A. *Cellular Dynamics in the Regenerating Mouse Olfactory System: The Role of Olfactory Ensheathing Cells*. Society for Neuroscience Annual Meeting. San Diego, CA.
- 2004 **Iwema**, C. L., Dodds, T., Chin, J., & Greer, C. A. *OEC Dynamics in the Olfactory System of Methimazole-Lesioned & Control Mice*. Association for Chemoreceptive Sciences Annual Meeting. Sarasota, FL.
- 2003 **Iwema**, C. L., & Greer, C. A. *MAG expression in the developing, mature, and regenerating mouse olfactory system*. Society for Neuroscience Annual Meeting. New Orleans, LA.
- 2003 **Iwema**, C. L., Strittmatter, S. M., & Greer, C. A. *Neurite Stability in the Mouse Olfactory System: The Role of Nogo, p75, & RhoA*. Association for Chemoreceptive Sciences Annual Meeting. Sarasota, FL.
- 2003 Ma, M., **Iwema**, C. L., Jian, L., Greer, C. A., & Shepherd, G. M. *Molecular Organization of the Mouse Septal Organ*. Association for Chemoreceptive Sciences Annual Meeting. Sarasota, FL.
- 2002 **Iwema**, C. L., Bartolomei, J. C., Strittmatter, S. M., & Greer, C. A. *Nogo & Nogo receptor expression in the mammalian olfactory system*. Association for Chemoreceptive Sciences Annual Meeting. Sarasota, FL.
- 2002 **Iwema**, C. L., Bartolomei, J. C., Strittmatter, S. M., & Greer, C. A. *Nogo-A and Nogo-66 receptor expression in the developing olfactory system*. Society for Neuroscience Annual Meeting. Orlando, FL.
- 2002 **Iwema**, C. L., Bartolomei, J. C., Strittmatter, S. M., & Greer, C. A. *Nogo & Nogo receptor expression in the mammalian olfactory system*. Gordon Research Conference: Neural Development. Newport, RI.
- 2001 **Iwema**, C. L., & Schwob, J. E. *P2 olfactory sensory neurons do not converge appropriately in the olfactory bulb following peripheral lesion*. Society for Neuroscience Annual Meeting. San Diego, CA.
- 2001 **Iwema**, C. L., & Schwob, J. E. *Recovery of odorant receptor expression patterns in the rat olfactory epithelium following peripheral lesion*. Gordon Research Conference: Chemical Senses. Newport, RI.
- 2000 **Iwema**, C. L., & Schwob, J. E. *Odorant receptor expression in mature (OMP[+]) & immature (GAP-43[+]) olfactory sensory neurons*. International Symposium on Olfaction and Taste. Brighton, England.
- 1997 **Iwema**, C. L., Youngentob, S. L., Breer, H. L., & Schwob, J. E. *Distribution of POR-defined neuronal subtypes in the olfactory epithelium following recovery from peripheral lesion* Society for Neuroscience Annual Meeting. New Orleans, LA.
- 1992 **Iwema**, C. L., Clark, M. C., Kurz, E. M., & Sengelaub, D. R. *Time course of regressive changes in an aging androgen-sensitive rat spinal nucleus*. Society for Neuroscience Annual Meeting. Anaheim, CA.