

01-NOV-12 – 31-JAN-13
University of Utah
HHS-N-276-2011-00011-C
NTC Quarterly Report
Date Submitted: 25-FEB-2013

Table of Contents

Executive Summary.....	3
Training Events.....	5
Cancellations.....	6
Self-paced e-learning Products.....	7
NTC Web site.....	12
MLA Educational Clearinghouse Activities.....	13
Collaboration with NN/LM staff.....	14
Marketing and Promotional Activities.....	15
Other.....	16

Executive Summary

STAFF CHANGES

Russel Henricksen began work on January 28, 2013 as Program Manager, replacing Lindee Radtke.

Jessica Van Der Volgen, a second year NLM Associate Fellow completing her fellowship at the Spencer S. Eccles Health Sciences Library at the University of Utah, joined the NTC team as a back-up trainer. Ms. Van Der Volgen delivered Session 3 of the January "PubMed® for Trainers" class using Adobe Connect.

CLASSES TAUGHT

The NTC and NLM taught 2 sessions of the hybrid class PubMed® for Trainers. The in-person sessions were taught in: Bethesda, MD and Orlando, FL.

NLM taught 1 session of the in-person TOXNET® and Beyond class in Bethesda, MD.

Sharon Brown and Rebecca Brown delivered the online class "PubMed for Librarians" from January 8-29, 2013. PubMed for Librarians consists of five 1-hour segments taught via Adobe Connect; participants can choose to attend any of the segments that interest them. The five segments are: "Introduction to PubMed"; "Medical Subject Headings (MeSH)"; "Automatic Term Mapping (ATM)"; "Building and Refining Your Search"; and "Customization - My NCBI."

Sharon Dennis and Kay Deeney, from the Pacific Southwest Region, taught one session of the five-week asynchronous online class "Teaching with Technology: Tips, Techniques, and Tools" from October 8 - November 9, 2012.

Sharon Dennis, Rebecca Brown and Sharon Brown presented a one-hour webinar titled "What We Learned in "School": Stories from Three Training and Learning Conferences" on November 7, 2012. They discussed tips they learned while attending three professional development conferences in the Fall of 2012. The webinar covered presentation design, tips for participant-centered training, and distance learning recommendations.

CLASSES UNDER DEVELOPMENT

TOXNET and Beyond Online Class

The NTC trainers met regularly with Stephanie Publicker from SIS to plan an online TOXNET class. The group produced an outline of a 3-segment class covering all the TOXNET databases, including learning objectives for each segment. Script preparation will begin in February 2013.

NCBI Training

In November 2012, NCBI, NLM and NTC released a request for applications for the hybrid class "A Librarian's Guide to NCBI." The class provides basic knowledge and skills for librarians interested in helping patrons use online molecular databases and tools available from NCBI. It is expected that, following the class, participants will be able to improve their ability to initiate or extend bioinformatics services at their institution. There are two parts to the class:

1. "Fundamentals in Bioinformatics and Searching," a three-week, online, (asynchronous) self-paced pre-course, offered from March 4-25, 2013 via Moodle.

2. A subsequent 5-day in-person course offered on-site at the National Library of Medicine in Bethesda, Maryland, April 15-19, 2013.

Instructors will be NCBI staff and Diane Rein, Ph.D., M.L.S., Bioinformatics and Molecular Biology Liaison from the Health Science Library, University at Buffalo.

The application deadline was January 25, 2013; 41 applications were received for 18 seats. Janet Zipser, Sharon Dennis, Diane Rein, Eric Sayer and Peter Cooper formed a committee to evaluate the applications and select the best applicants. Applicants will be notified of acceptance in mid-February.

TECHNICAL CHALLENGES

The NTC trainers continued to experience technical difficulties with Adobe Connect. Major disruptions occurred during the January PubMed for Trainers and PubMed for Librarians classes. The trainers have notified NIH Support about various problems but have not received resolution, and the problems are often different from session to session.

FOLLOW-UP EVALUATION PROJECT

NTC and NLM trainers worked with Cindy Olney, President of CO Evaluation Consulting LLC, to design a follow-up questionnaire that will be administered to participants of PubMed for Trainers and TOXNET and Beyond from May 2011 through October 2012. The purpose of the questionnaire is to determine behavioral changes that may have occurred as a result of the training, particularly related to search efficiency and/or improved training techniques.

Ms. Olney conducted three interviews with participants to inform the design of the questionnaire. The questionnaire will be released to class participants in February 2013.

Training Events

TABLE 1. Training Sessions

Session Content	Start Date	End Date	City/State	Trainers	Activity Conducted In-person	Activity Conducted Remotely	# Participants
PubMed for Librarians: Medical Subject Headings (MeSH)	1/10/2013 12:00:00 AM	1/10/2013 12:00:00 AM	Online	Sharon Brown, Rebecca Brown	N	Y	44
PubMed for Librarians: Automatic Term Mapping (ATM)	1/15/2013 12:00:00 AM	1/15/2013 12:00:00 AM	Online	Sharon Brown, Rebecca Brown	N	Y	51
PubMed for Librarians: Customization - My NCBI	1/17/2013 12:00:00 AM	1/17/2013 12:00:00 AM	Online	Sharon Brown, Rebecca Brown	N	Y	40
PubMed for Librarians: Building and Refining Your Search	1/29/2013 12:00:00 AM	1/29/2013 12:00:00 AM	Online	Sharon Brown, Rebecca Brown	N	Y	36
Teaching with Technology: Tips, Techniques and Tools	10/8/2012 12:00:00 AM	11/5/2012 12:00:00 AM	Online	Sharon Dennis, Kay Deeney	N	Y	25
What We Learned in "School": Stories from Three Training and Learning Conferences	11/7/2012 12:00:00 AM	11/7/2012 12:00:00 AM	Online	Sharon Dennis, Sharon Brown, Rebecca Brown	N	Y	43
TOXNET and Beyond	11/28/2012 12:00:00 AM	11/28/2012 12:00:00 AM	Bethesda, MD	NLM Trainers	Y	N	5
PubMed for Trainers	1/8/2013 12:00:00 AM	1/17/2013 12:00:00 AM	Bethesda, MD	NLM Trainers	Y	Y	11
PubMed for Trainers	1/10/2013 12:00:00 AM	1/24/2013 12:00:00 AM	Orlando, FL	Sharon Dennis, Sharon Brown, Rebecca Brown, Jessica Van Der Volgen	Y	Y	30
PubMed for Librarians: Introduction to PubMed	1/8/2013 12:00:00 AM	1/8/2013 12:00:00 AM	Online	Sharon Brown, Rebecca Brown	N	Y	43

Cancellations

No classes were canceled this quarter.

Self-paced e-learning Products

Kate Majewski, a trainer at NLM, exported the NLM PubMed video tutorials to the Sharable Content Object Reference Model (SCORM) format. This allows other trainers to import the materials directly into a SCORM-compatible course management system (CMS).

Recordings for the "PubMed for Librarians" series and the "What We Learned In School" webinar were added to the "Tutorials and Recordings" section of the NTC web site.

Rebecca Brown recorded a Jing video demonstrating the rapid design database used in the PubMed for Trainers class.

Student Skills Assessment

PUBMED FOR TRAINERS CLASS

A 22-question pre- and post-test was administered for the "PubMed for Trainers" class. The averaged scores for all classes are listed below.

NTC PubMed for Trainers class:

*Pre-test: 65%

*Post-test: 85%

NLM PubMed for Trainers class:

*Pre-test: 56%

*Post-test: 74%

PUBMED FOR LIBRARIANS CLASS

Short 4 question pre and post-tests were administered for the "PubMed for Librarians" class. The averaged scores for all segments are listed below.

*Pre-test: 69%

*Post-test: 87%

PUBMED FOR TRAINERS SUGGESTIONS FOR IMPROVEMENT

Based on the feedback from participants in the PubMed for Trainers classes in the last six months, the NLM and NTC trainers implemented the following improvements to the class in January 2013:

* Added a new "Rapid design" assignment: students designed a 1 hour PubMed class for particular audiences (including objectives and activities) through a combination of individual and group work.

*Removed repetitive sections of the class, particularly overlap between the tutorials assigned for homework and the class presentations.

Based on the evaluations and in-person comments from the January Bethesda and Orlando, FL classes, we believe these improvements were well received by participants. We will continue to develop the rapid design exercise based on suggestions from the participants.

Student Satisfaction Analysis

NTC PUBMED FOR TRAINERS

In the third quarter, NTC taught one PubMed for Trainers class. A total of 34 participants registered; 30 of them took both the pre- and post-tests; and 27 filled out the evaluation.

The evaluation results for the third quarter are as follows:

Instructor knowledge, preparation, presentation skills and responsiveness to questions: High (95%); Good (5%)

Participants rating of whether they acquired knowledge and skills they can use: Agree (100%)

Use of technology:

Problems with technology: No problems (78%); Trouble getting connected (18%); Trouble hearing (4%); Trouble seeing the screen (0%); Did not have adequate equipment (0%)

Length of Adobe Connect sessions: Much too short (0%); Somewhat too short (4%); About the right length (92%); Somewhat too long (4%); Much too long (0%)

Felt encouraged to participate in remote sessions: True (82%); False (18%)

Most helpful parts of the course:

- *Hands-on exercises and group work
- *Networking with others
- *Tests, homework, and exercises were helpful

Least helpful parts of the course:

- *Questions on the pre/post test are not worded very well
- *Needed more time for rapid design discussion

Additional comments:

- *Would have liked two days of in-person training
- *Too much time was given for breakout groups
- *Great trainers and excellent course

Overall Rating: "A" (96%); "B" (4%)

NLM PUBMED FOR TRAINERS

In the third quarter, NLM taught one PubMed for Trainers class. A total of 15 participants registered; 11 of them took both the pre- and post-tests; and 11 filled out the evaluation.

The evaluation results for the third quarter are as follows:

Instructor knowledge, preparation, presentation skills and responsiveness to questions: High (84%); Good (16%)

Participants rating of whether they acquired knowledge and skills they can use: Agree (91%); Somewhat Agree (9%)

Use of technology:

Problems with technology: No problems (73%); Trouble getting connected (9%); Trouble hearing (9%); Trouble seeing the screen (18%); Did not have adequate equipment (0%)

Length of Adobe Connect sessions: Much too short (0%); Somewhat too short (9%); About the right length (73%); Somewhat too long (18%); Much too long (0%)

Felt encouraged to participate in remote sessions: True (100%); False (0%)

Most helpful parts of the course:

- *MeSH and Drug Information Search
- *Tutorials and group activities
- *Hands-on exercises

Least helpful parts of the course:

- *Quiz questions were not clear
- *Searching for drug information
- *Group exercises too lengthy

Additional comments:

- *Give explanations for the answers to the tests
- *Instructors were knowledgeable and helpful

Overall Rating: "A" (100%)

NTC TOXNET

NTC did not teach any TOXNET and Beyond classes in the third quarter.

NLM TOXNET

NLM taught one TOXNET and Beyond class in the third quarter. A total of 5 participants attended; and 4 filled out the evaluation.

The evaluation results for the third quarter are as follows:

Instructor knowledge, preparation, presentation skills and responsiveness to questions: High (100%)

Participants rating of whether they acquired knowledge and skills they can use: Agree (100%)

Most helpful parts of the course:

- *Specific examples and demonstrations
- *Introduction of all TOXNET databases
- *Useful tips/hints to effectively search the databases

Least helpful parts of the course:

- *Introduction of emergency response websites

Additional comments:

*Both instructors were very good

Overall Rating: "A" (100%)

PUBMED FOR LIBRARIANS

NTC taught one series of the PubMed for Librarians online synchronous class during the third quarter. The class was taught in five independent segments. A total of 317 participants registered for at least one segment; 214 participants attended the segment they registered for; and 196 filled out the evaluation questionnaire for the segment.

The evaluation results for the third quarter are as follows:

Instructor knowledge, preparation, and responsiveness to questions: High (88%); Good (10%); Fair (2%)

Participants rating of whether they acquired knowledge and skills they can use: Agree (91%); Somewhat Agree (9%)

Most helpful parts of the course:

- *Hands-on examples, activities, handouts and quizzes
- *Completing hands-on exercises alongside the trainers in PubMed on additional monitor
- *Clinical queries

Least helpful parts of the course:

- *Not enough time – would like a longer session (ATM and Customization segments)
- *Not everyone has 2 screens, hard to keep up with trainers
- *Technical difficulties

Additional comments:

- *Appreciated that the classes were for more advanced users
- *Would like some take home exercises added
- *Send a follow-up email with the recording URL

Overall Rating: "A" (83%); "B" (15%); "C" (2%)

TEACHING WITH TECHNOLOGY

NTC taught one online asynchronous Teaching with Technology class during the third quarter. A total of 48 participants registered; 25 participants completed the class; and 26 filled out the evaluation.

The evaluation results for the third quarter are as follows:

Instructor knowledge, preparation, and responsiveness to questions: High (95%); Good (5%)

Most helpful parts of the course:

- *Practice tools and discussion
- *Reviewing adult learning principles

*Hands-on exercises

Least helpful parts of the course:

*Class members did not interact as much as hoped during discussion boards

*Supplemental readings

Additional comments:

*I would recommend this class to other librarians

*Learned by commenting on other students work

Overall Rating: "A" (80%); "B" (20%)

WEBINAR: "What We Learned in "School": Stories from Three Training and Learning Conferences"

NTC offered a one-hour webinar in which NTC trainers shared "aha moments," tips, techniques and research-based recommendations from three recent professional development conferences. Topics covered included: presentation skills and better PowerPoint design; tips for creating participant-centered training activities; and distance learning recommendations.

Sixty five participants registered; 43 attended (66% attendance rate). A short evaluation was conducted at the end of the webinar using the Adobe Connect polling feature. Not all participants responded to each question. The poll results were as follows:

Would you recommend the recording of this session to a colleague?

Yes: 28 (93%)

No: 2 (7%)

What percentage of the time were you able to be "present" during today's session?

90-100%: 21 (60%)

75-89%: 13 (37%)

50-74%: 0

Below 50%: 1(3%)

How many take-aways did you gain from today's session?

None: 0 (0%)

One: 1 (3%)

2-3: 18 (53%)

4-5: 15 (44%)

NTC Web site

A new "Tutorials and Recordings" web page was added to the NTC web site to provide links to NTC's online recordings. Recordings of the "What We Learned in School" webinar and "PubMed for Librarians" January sessions were added to the page.

MLA Educational Clearinghouse Activities

No activity this quarter.

Collaboration with NN/LM staff

The National Training Registration Page (NTRP) system was in maintenance mode during the third quarter; Matthew Steadman fixed bugs in the system as they were discovered. He also added accounts for the Outreach Evaluation Resource Center (OERC) staff.

Marketing and Promotional Activities

NTC continued to publish blog entries, Twitter posts, and Facebook posts. As of January 31, 2013, NTC has ninety followers on Twitter and 65 likes. During the third quarter NTC staff published thirty blog items.

Other

No activity this quarter.