

The Certificate Program in Practice-Based Research Methods

Orientation
September 22, 2016



Program Sponsors

The 8 AHRQ-funded Centers of Primary Care Practice-Based Research & Learning (P30s)

- AAFP National Research Network and DARTNet Collaborative PBRN Center for Excellence
- Center for Pediatric Practice Research & Learning (C-PRL)
- Collaborative Ohio Inquiry Network (COIN)
- Coordinated Consortium of Networks (CoCoNet2)
- Meta-network Learning and Research Center (Meta-LARC)
- N²: Building a Network of Safety Net PBRNs/CDN
- Practice Partners Research Network (PPRNet)
- Primary Care MultiEthnic Network (PRIME Net) Center in Practice-based Research and Learning



Steering Committee

- Laura-Mae Baldwin, MD
- Miriam Dickinson, PhD
- Rowena Dolor, MD
- Nancy Elder, MD, MPH
- Alex Fiks, MD
- Chet Fox, MD
- Kim Kimminau, PhD
- Lyndee Knox, PhD
- Cara Litvin, MD
- Zsolt Nagykalai, PhD
- Victoria Neale, PhD, MPH
- Don Nease, MD
- Steve Ornstein, MD
- Valory Pavlik, PhD
- Jonathan N. Tobin, PhD
- Mort Wasserman, MD
- Andrea Wessell, PharmD
- Randy Wexler, MD, MPH



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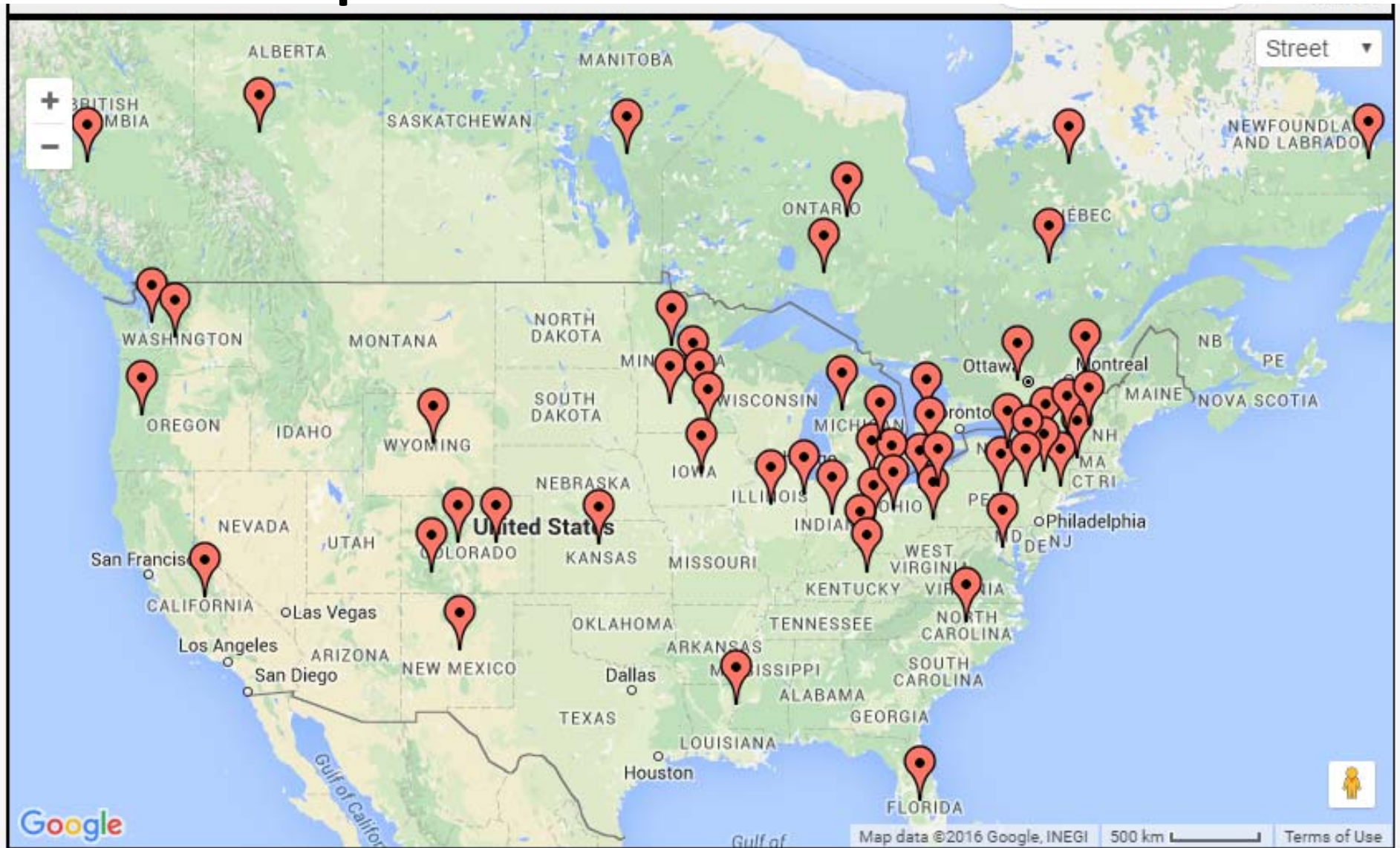
Program Coordinator

- Amanda Ross
 - Collaborative Ohio Inquiry Network (COIN)
 - Case Western Reserve University, Cleveland, OH
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PBRM-Cert

September 2016 - June 2017



54 Fellows (43 U.S., 11 Canada)

Objectives of the Program

- Develop a new generation of PBRN investigators
- Provide training in concepts, skills, and methods for conducting practice-based research and building PBRNs
- Provide networking opportunities for new and experienced PBRN investigators
- Energize PBRNs with new talent and ideas



Learning Objectives

1. Apply methods of practice-based research network development to initiate new PBRNs and strengthen existing networks.
2. Describe the range of research questions that fit within PBRN settings, and provide examples of studies that play to the strengths of PBRNs.
3. Describe how PBRN research topics and questions can be elicited from PBRN members, patients, and other community stakeholders.
4. Conceptualize the changing landscape of PBRN research and describe approaches for expanding research from practices to patients and communities.
5. Engage PBRN members, network leaders, and patients in a collaborative process to develop a study concept.
6. Apply one or more research designs in the development of a PBRN study concept paper and Specific Aims.



Learning Objectives

7. Explain how electronic health record data and large administrative data sets can be effectively used to answer questions in PBRNs.
8. Describe sampling methods used in PBRN research, explain common threats to validity in PBRN studies, and discuss the rationale for nested analyses and outline the steps involved.
9. Apply principles, methods, and tools for quality improvement research within primary care PBRNs.
10. Compare and contrast the U.S and Canadian healthcare systems, research funding systems, and research infrastructures.
11. Understand PBRN research in the contexts of implementation science and the translational science continuum.
12. Describe the range of strategies that can be used to disseminate PBRN research findings and cite examples of PBRN dissemination strategies.



Seven Learning Modalities

- 1) Training webinars taught by PBRN experts;
- 2) Peer Learning Group calls facilitated by experienced mentors;
- 3) One on one mentoring by an experienced PBRN investigator;
- 4) Developing a Learning Plan;
- 5) Developing a participatory concept paper for a PBRN study;
- 6) Developing a refined Specific Aims section;
- 7) Presenting the Concept Paper, Specific Aims, and a brief Career Development plan at the program's Convocation in Bethesda, MD on June 20-21, 2017.



Webinars

- The program will hold fourteen 90-minute webinar-based training sessions over the ten-month program period
- Interactive sessions
- Presenters are top experts in the PBRN field
- Held from 12:00-1:30pm Eastern time on the 2nd and 4th Thursday of each month



Webinars

- The content expert will present for about 60 minutes
- Q & A and discussion will take place for about 30 minutes
- Required readings will be available on CourseSites approximately 2 weeks before each webinar
- Post your questions from the readings on CourseSites at least 24 hours before each webinar



Webinars 1-3

Session 1: 9/8/16	Introduction and theory of Practice-Based Research Networks (PBRNs)
Session 2: 9/22/16	Program orientation for Fellows & Primary Mentors
Session 3: 10/13/16	PBRN development and maintenance; Use of practice facilitators

Webinars 4-6

Session 4: 10/27/16	Recruitment and engagement of clinicians, practices, patients, & healthcare systems; The Card Study Method
Session 5: 11/10/16	Participatory research in PBRNs; Patient Centered Outcomes Research
Session 6: 12/8/16	Research using electronic health records & big data

Webinars 7-9

Session 7: 1/12/17	Comparing and contrasting U.S. and Canadian healthcare systems and research infrastructures
Session 8: 1/26/17	Research designs, sampling methods and nested analyses
Session 9: 2/23/17	Qualitative methods and multimethod research methods in PBRN research

Webinars 10-12

Session 10: 3/9/17	Quality improvement research; Alliances and methods for practice improvement
Session 11: 4/13/17	Translational research in PBRNs; Linking research to policy
Session 12: 4/27/17	Methods for implementation of complex interventions in PBRNs

Webinars 13-14

Session 13: 5/25/17

Writing PBRN research for publication;
Methods for research dissemination

Session 14: 6/8/17

Obtaining funding for PBRN research

Peer Learning Groups

- Objectives:
 - Provide a venue for fellows to discuss their learning and progress in completing assignments;
 - Serve as a forum for discussing assigned readings and webinar content;
 - Provide a venue for fellows to share challenges to provide and obtain guidance in overcoming obstacles;
 - Foster learning about the diversity of research being conducted in PBRNs in the U.S. and Canada;
 - Provide a means for fellows to identify common research interests and develop rapport with one another.
- 5-7 fellows per group; meets online
- Each group will be facilitated by one or two mentors
- Each group will meet four times (12/1, 2/9, 3/23, 5/11)
 - Each date falls on a 2nd or 4th Thursday; the time will be 12:00-1:30 Eastern

Mentoring

- Local lead mentor
- Additional mentors/advisors if desired
- Lead mentor spends 1-2 hours/month with the fellow
 - Discuss career goals, learning plan, concept paper, specific aims, other learning activities



Fellows' Time Commitment

- Fellows will spend 4-6 hours/month on program activities
 - Meeting with mentor
 - Advance reading
 - Learning plan
 - Concept paper
 - Specific Aims section



Self-Introduction Videos

- 3-5 minutes
- Cell phone, digital camera, or camcorder
- Your training and background, current position, what you hope to gain from the program, research interest areas, current/past research projects, and personal information if you care to share (ie., family, outside interests, etc.)
- Post on CourseSites by 9/30/16
- Before 12/1/16, view the videos of others in your Peer Learning Group and as many others as you like



Learning Plan

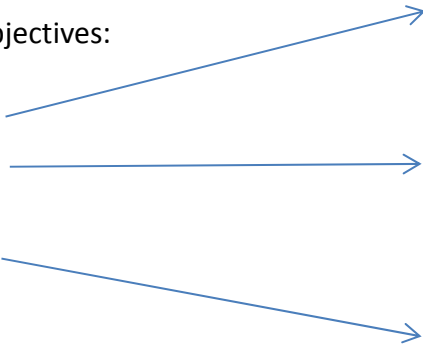
- In collaboration with your lead mentor and PBRN Director, develop and maintain a Learning Plan that specifies your individual learning goals, objectives, and timelines for task completion
- Review and approval of Learning Plans is required by each fellow's lead mentor and PBRN Director
- Submit learning plans by 10/31/16



Learning Plan

Fellow: _____

Lead Mentor: _____

Goals/Objectives	Activities	Products/Dates
<p>Goal One: (Concept paper)</p> <p>Objectives: 1. 2. 3.</p> 	<p><u>Objective 1:</u> 1.a. 1.b. 1.c.</p> <p><u>Objective 2:</u> 2.a. 2.b. 2.c.</p> <p><u>Objective 3:</u> 3.a. 3.b. 3.c.</p>	<p><u>Objective 1:</u></p> <p><u>Objective 2:</u></p> <p><u>Objective 3:</u></p>
<p>Goal Two: (Specific Aims)</p> <p>Objectives: 1. 2. 3.</p>	<p><u>Objective 1:</u></p> <p><u>Objective 2:</u></p> <p><u>Objective 3:</u></p>	<p><u>Objective 1:</u></p> <p><u>Objective 2:</u></p> <p><u>Objective 3:</u></p>
<p>Goal Three: (Career Development Plan)</p> <p>Objectives: 1. 2.</p>	<p><u>Objective 1:</u></p> <p><u>Objective 2:</u></p>	<p><u>Objective 1:</u></p> <p><u>Objective 2:</u></p>

Concept Paper

- Develop and write a concept paper for a PBRN research study on a topic of significant professional interest
- In close consultation with key PBRN stakeholders – eg, PBRN leaders, facilitators, network members, patients, others
- CP should be distributed within the PBRN or P30 Center in order to obtain feedback about the study concept and its implementation
 - Use this input to refine the concept paper and inform the development of the Specific Aims
- Present concept paper at the program's Convocation in June
- Detailed guidance is provided in the syllabus

Specific Aims

- Building upon the concept paper, write a Specific Aims section for an NIH/AHRQ research proposal for a study designed to be implemented within a PBRN
 - Mentors will be instrumental in providing guidance
- Present your Specific Aims at the program's Convocation in June, 2017
- Detailed guidance is provided in the syllabus



Convocation

- Held in conjunction with the NAPCRG PBRN Conference
 - Bethesda, MD, June 20-21, 2017
- Fellows present concept papers, Specific Aims, & Career Development Plans
 - to mentors, other fellows & Steering Committee members
 - Discuss the next steps for each fellow
- Review data from the program evaluation
- Obtain feedback from fellows and mentors to improve the program
- Plan the curriculum for subsequent cohort



Assignments and Deadlines

Assignment	Due Date
Individual Video Profile	September 30
Learning Plan	October 31
Progress Updates	November 15 February 15 May 15
Concept paper Assignment 1-Page Study Plan Final Concept Paper Reflection Paper	December 5 March 6 March 13
Specific Aims Section	May 1
Career Development Plan	May 15
Presentation	At Convocation June 20-21

Qualifying for the Certificate

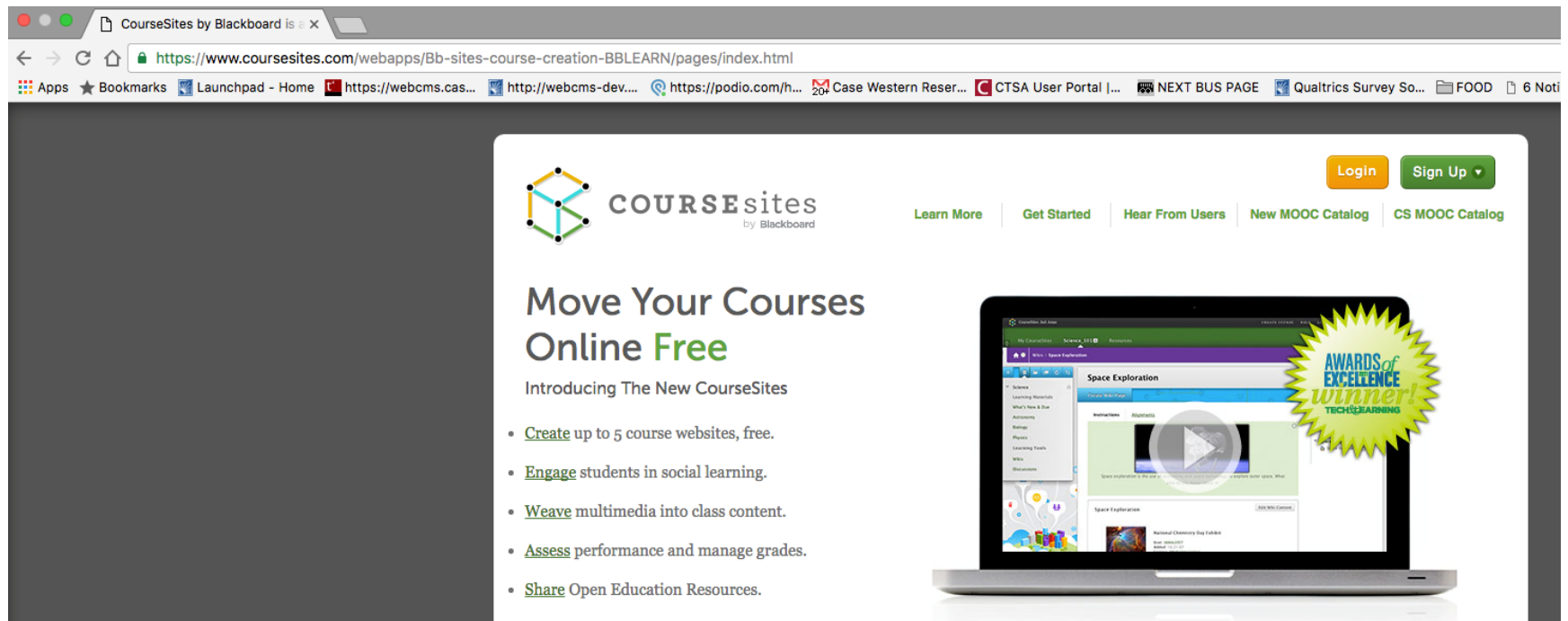
- Fellows must meet the following criteria in order to earn the *Certificate of Practice-Based Research Methods*:
 - Post a descriptive video profile by the due date.
 - Actively participate in the entirety of at least 75% of training webinars.
 - Read assigned articles prior to each webinar.
 - Submit online progress updates at the specified time points.
 - Participate in at least 3 of the 4 Peer Learning Groups sessions.
 - Develop and submit a Learning Plan by the due date.
 - Complete and submit concept paper assignments by the due dates.
 - Complete and submit a Specific Aims section by the due date.
 - Complete and submit a Career Development plan by the due date.
 - Present a satisfactory concept paper, Specific Aims section, and a brief plan for further career development at the Convocation on June 20-21, 2017.



Questions?



Using CourseSites



The screenshot shows the CourseSites by Blackboard website. The browser address bar displays the URL: <https://www.coursesites.com/webapps/Bb-sites-course-creation-BBLEARN/pages/index.html>. The page features the CourseSites logo, navigation links for 'Learn More', 'Get Started', 'Hear From Users', 'New MOOC Catalog', and 'CS MOOC Catalog'. A 'Login' button and a 'Sign Up' dropdown menu are also present. The main content area is titled 'Move Your Courses Online Free' and includes the sub-heading 'Introducing The New CourseSites'. Below this, a list of features is provided:

- [Create](#) up to 5 course websites, free.
- [Engage](#) students in social learning.
- [Weave](#) multimedia into class content.
- [Assess](#) performance and manage grades.
- [Share](#) Open Education Resources.

To the right of the text, there is an image of a laptop displaying a course page for 'Space Exploration'. A yellow starburst graphic next to the laptop reads 'AWARDS of EXCELLENCE Winner! TECHEDUCATION'.