



Advanced Training Institute on Single-case Research Methods

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Research Training Institute **Single-Case Intervention Research Design and Analysis** **July 9 - 13, 2024**

Objective: The National Center for Special Education Research (NCSER) in the Institute of Education Sciences (IES) of the U.S. Department of Education, in conjunction with the University of Oregon, announces a Research Training Institute on Single-Case Intervention Research Design and Analysis, to increase the national capacity of education researchers to conduct methodologically rigorous single-case intervention studies.

Training Institute Sponsor: The University of Oregon, with a grant from the Institute of Education Sciences (# R324B200022), is providing support for this Training Institute.

Dates: July 9 - 13, 2024 face-to-face Institute
(full days July 9 - 12, half day July 13)

AND

April 19, April 24, and 26, 2024 and May 3, 2024 online
Institute meetings (half days)

All participants are required to attend pre-Institute meetings.

Location: **The Madison Concourse Hotel**
Madison, WI

This one week face-to-face Training Institute will be held at the Madison Concourse Hotel near the campus of the University of Wisconsin-Madison. Classroom instruction will take place, and Institute participants will be housed, at the Madison Concourse Hotel in downtown Madison, WI.

Pre-Institute meetings will take place synchronously online via Zoom.

Course Content: The course sessions will provide education researchers with intensive training in the skills required to plan, design, implement, analyze, and interpret single-case intervention studies. The Institute will focus on intervention research in which the “cases” consist of either individual participants or clustered educational units (e.g., small groups, classrooms, schools).

The course will enable participants to:

- Describe the logic and principles underlying scientifically credible single-case intervention research and their advantages for making causal inferences about intervention effects.
- Understand the situations and conditions for which single-case intervention research is applicable.
- Familiarize themselves with both traditional single-case designs and recent advances that improve the designs’ scientific credibility.
- Acquire knowledge about both visual and statistical techniques for aggregating and analyzing the data from single-case intervention investigations.
- Recognize the strengths, limitations, and yet-to-be resolved issues associated with single-case intervention research.
- Understand how to transition from single-case designs to traditional “group” designs, and how single-case research can complement group designs.
- Participate in small-group projects to collectively develop research proposals for conducting a scientifically credible single-case intervention investigation.

**Eligibility
Requirements and
Selection Criteria
for Training
Institute Fellows:**

1. Applicants must have a doctoral degree (e.g., Ph.D., Psy.D., Ed.D.) and experience in conducting research relevant to education.
2. Applicants must be citizens or non-citizen nationals of the United States, or must have been lawfully admitted to the United States for permanent residence (i.e., possess a currently valid Alien Registration Receipt Card I-551, or other legal verification of such status).
3. Preference will be given to individuals who (a) have demonstrated their ability to conduct independent intervention research, (b) are currently employed in a setting in which conducting research relevant to education is part of their regular responsibilities, (c) are employed in a setting where teaching single-case methods is part of their responsibilities, and (d) can demonstrate that they have a need for the knowledge and skills addressed in the Training Institute. Applicants should report past attendance at other Methods Training Institutes. Each application will be evaluated on its own merits. If more than 35 meritorious applications are received, other criteria such as disciplinary, geographical, and institutional diversity will be taken into account.
4. Applicants must have familiarity with basic statistical methods and must be experienced in using personal computers and statistical computer packages. The Training Institute will include “hands on” data-analysis sessions. Some experience with SPSS or R Studio procedures, including conducting graphical and standard statistical analyses (e.g., frequency and scatter diagrams, cross-tabulations, analysis of variance, regression analyses), is expected.

Black, Indigenous, and People of Color as well as women, and individuals with disabilities are especially encouraged to apply.

If selected for participation in the Training Institute, individuals who require reasonable accommodations for disabilities should contact Wendy Machalick (wmachali@uoregon.edu).

Both early career and mid-senior researchers who would benefit from the knowledge and skills addressed in the Training Institute are encouraged to apply, although

because of space limitations, preference will be given to the former.

Costs and Stipends:

The University of Oregon will pay the cost for attendees' tuition and course materials, and for lodging. **Accepted attendees will be responsible for their own travel and food costs.** Two scholarship travel awards will be awarded to attendees from under-represented backgrounds. Scholarships will be based on self-nomination in the personal statement portion of the application and applicant ratings.

Requirement: Please submit a CV and a personal statement responding to the noted preferential selection criteria. The personal statement is limited to 3 single-spaced pages in 12-point font. These materials must be a MS Word document or a PDF file. Application materials should be submitted to Katheryn Wood at katw@uoregon.edu

All applications must be received no later than Wednesday March 6, 2024 at 11:59 p.m. EST.

Applications will be reviewed and applicants will be notified no later than **March 22, 2024** via electronic mail. Selected applicants will receive the Training Institute schedule and information about ground travel and lodging.

Instructors:

Wendy Machalicek, Ph.D., BCBA-D, University of Oregon (PI)
John M. Ferron, Ph.D., University of South Florida (Co-PI)
Thomas R. Kratochwill, Ph.D., University of Wisconsin-Madison (Co-I)
Ann Kaiser, Ph.D., Vanderbilt University
Joel R. Levin, Ph.D., University of Arizona and University of Wisconsin-Madison
Mariola Moeyaert, Ph.D., University at Albany, State University of New York
James E. Pustejovsky, Ph.D., University of Wisconsin-Madison

Inquiries about submission of the Single-Case Intervention Research Institute application materials:

Katheryn Wood at katw@uoregon.edu