

State Board of Chiropractic Examiners

To Whom It May Concern:

This letter is to state that as Director of Parker Professional Programs, I have reviewed the speakers below and determined that they are post-graduate level instructors, through a curriculum vitae or resume, and they have knowledge, training and expertise in the topics to be covered for “Study Designs”. The documentation appears to fall within chiropractic guidelines of the various state boards.

Parker University  
Continuing Education  
2540 Walnut Hill Lane  
Dallas, Texas 75229  
[www.parker.edu](http://www.parker.edu)

Chris Malaya  
Katie Pohlman

Please contact me if further information is needed, my direct phone number is 214-902-3492, or via email at [pfrase@parker.edu](mailto:pfrase@parker.edu).

Sincerely,



Phyllis Frase-Charrette  
Director of Professional Programs

## **METHOD OF CERTIFYING IN ONLINE ACTIVITIES**

1. **Name of Course:** Study Designs
2. **Organization Sponsoring the Course:** Parker University
3. **Course Objective:** To enhance the expertise of the Chiropractic Professional.
4. **Study Hours Required:** 1 Online
5. **Instructor(s):** Chris Malaya & Katie Pohlman
6. Educational background and experience of instructor(s) is on file in the University offices.
7. **Attendance Verification Method and Certifying Officer:** The Online presentation is delivered via web pages in which the participant must review anatomy images, read supporting text, listen to audio instruction, and answer test questions. The time the participant spends on each page is logged and tracked. In addition, the test questions must be passed, or the participant cannot continue on to the following pages. The computerized log files that track the participant's access time and usage will be utilized to validate the attendance and participation. The instructors will be available for questions via e-mail. Upon successful completion, Parker University Continuing Education Department will maintain and distribute attendance records.
8. **Textbooks and/or Equipment Required:** Internet
9. **Outline of Material Covered:** Attached
10. **Location(s):** Computer/Internet Based
11. **Date(s):** Based upon date of actual completion

**Instructors:** Drs. Chris Malaya & Katie Pohlman

**Study Designs**

**Duration:** 1 hour

**CE Topic:** Chiropractic Research and Risk Management

**Course Description:**

Before a study can be conducted, a researcher must decide on the best way to test their hypothesis. Choosing an optimal study design is a major component of successfully conducting a research study. This presentation will explain the many different study designs available and what types of questions can be addressed by each. The featured article will critically appraise the key manuscript of vertebrobasilar stroke and the unique case-control study design.

*Featured Journal Article:*

Cassidy JD, Boyle E, Côté P, et al. Risk of vertebrobasilar stroke and chiropractic care: results of a population-based case-control and case-crossover study. *Spine (Phila Pa 1976)*. 2010 Mar 1;35(5):595].

**Course Objectives:**

1. Explain the important components of different study designs.
2. Describe the optimal study designs for different types of research question
3. Appraise the featured articles.
4. Describe unique study design components within the featured articles.

**Course Content:**

Review study designs: 0-15 minutes

Use of study designs based on research question: 16-30 minutes:

Critical appraisal of the featured article: 31-45 minutes

Dissecting the study design within the featured article: 46-60 minutes

CURRICULUM VITAE

**Christopher A. Malaya, DC**

**Address:**

4733 Wheeler Ave  
Biomedical and Health Building #2  
Houston, Texas 77204  
Phone: (512) 827-7466  
Email: christopher.malaya@gmail.com

**PROFESSIONAL LICENSURE**

Doctor of Chiropractic in the Great State of Texas – Houston, TX (May 2018 to Present)

**EDUCATION**

**University of Houston, Center for Neuromotor and Biomechanics Research (Houston, Texas)**

Dates Attended: August 2018 to Present  
Area of Emphasis: Motor Control  
Expected Ph.D.: 2022  
GPA: 3.83

**Parker University (Dallas, Texas)**

Dates Attended: January 2015 to April 2018  
Area of Emphasis: Chiropractic (with research honors)  
D.C.: April 2018  
GPA: 3.25

**Washington University in Saint Louis (St. Louis, Missouri)**

Dates Attended: August 2006 to April 2011  
Area of Emphasis: English Literature and Writing  
B.A.: 2011  
GPA: 3.18

**POSITIONS**

August 2018 – Present

**Human Subjects Researcher**, National Aeronautics and Space Administration (NASA),  
Johnson Space Center, Houston, Texas.

June 2018 – Present

**Research Associate**, Parker University Research Institute, Dallas, Texas.

January 2018 – April 2018

**Chiropractic Intern**, Department of Veterans Affairs, G.V. Sonny Montgomery, Jackson, Mississippi.

## **PUBLICATIONS**

### Peer Reviewed

1. **Malaya, CA.**, Smith, D., Haworth, J., Powell, C., Pohlman, KA. (in press). Impact of extremity manipulation on postural sway characteristics: a preliminary, randomized cross-over study. *Journal of Manipulative and Physiological Therapeutics*.
2. Layne CS, **Malaya CA**, Levine JT. (2019) The effects of muscle vibration on gait control: a review, *Somatosensory & Motor Research*, 36:3, 212-222.

### In Preparation

1. **Malaya, CA.** Smith, D. Haworth, J., Pohlman, KA. Immediate Impact of Extremity Manipulation on an Upper Extremity Balancing Task.
  - Results submitted to Spineweek 2020 Conference, Melbourne, Australia
2. **Malaya, CA.**, Layne, C. Vertical Perception with Rod and Frame Testing and Vibration.
3. **Malaya, CA.**, Smith, D., Haworth, J., Pohlman, KA. Immediate Impact of Upper Extremity Manipulation on the Romberg Quotient of Postural Sway in Healthy Adults
4. Pohlman KA, **Malaya CA**, Holmes MM, Odhwani A, Lawrence D. (2019, March) Initial Impact of a Faculty-Focused Evidence-Based-Practice (EBP) Training Program at a Chiropractic Teaching Institution.
  - Results submitted to ACC-RAC 2020, San Diego, CA

## **PRESENTATIONS**

### Platform

- Malaya, CA., Layne, CS. (2019, October). Vertical Perception with Rod and Frame Testing and Vibration. *Presented at the Health and Human Performance Research Symposium*.
- Malaya, CA., Smith, D., Haworth, J., Powell, C., Pohlman, KA. (2018, March). Impact of extremity manipulation on postural sway characteristics. *Presented at the 2018 Association of Chiropractic Colleges Research Agenda Conference, Dallas, TX*.

### Poster

- Johns, I., Cestari, M., Sujathat Ravindran, A., Malaya, CA., Layne, C., Contreras-Vidal, J. (2019, December) EEG Detection of Balance Loss, A Novel Approach to Prevent Falls Implementing Robotic Orthosis. *Presented at the 2019 IUCRC Brain Meeting, Tempe, AZ*.
- Malaya, CA., Smith, D., Haworth, J., Pohlman, KA. (2019, March) Immediate Impact of Lower Extremity Manipulation on the Romberg Quotient of Postural Sway in Healthy Adults. *Presented at the 2019 WFC Global Opportunities in Spine Care Conference, Berlin, GER*.
- Pohlman KA, Malaya CA, Holmes MM, Odhwani A, Lawrence D. (2019, March) Initial Impact of a Faculty-Focused Evidence-Based-Practice (EBP) Training Program at a

*CURRICULUM VITAE*

**Katherine A Pohlman, DC, PhD(c)**

2540 Walnut Hill Lane; Dallas, TX 75229

**Work:** 972.438.6932x7148 **Cell:** 419.733.1129

**E-mail:** kpohlman@parker.edu

**EDUCATION**

- Anticipated 2017** **University of Alberta, Edmonton, Alberta, Canada**  
Doctor of Philosophy, Pediatrics  
Successful Candidacy Defense: January 2015  
Thesis: Improving the Assessment of Safety in Pediatric Chiropractic Manual Therapy
- 2010** **Palmer College of Chiropractic, Davenport, Iowa**  
Master of Science, Clinical Research
- 2006** **Palmer College of Chiropractic, Davenport, Iowa**  
Doctor of Chiropractic
- 2001** **The Ohio State University, Columbus, Ohio**  
Bachelor of Science, Biology

**PROFESSIONAL EXPERIENCE**

- 2015-Present** **Parker University**  
Assistant Professor, Clinical Research Scientist, Research Institute  
Foster a culture of research and scholarship at Parker University:  
In cooperation with the academic leadership, develop ongoing activities to prepare faculty members to contribute to scholarship in accordance with Boyer's model.  
Assist faculty members in the design and conduct of clinical studies.  
In cooperation with the Clinic Director and Clinic Faculty Doctors, identify opportunities to utilize clinic data for research purposes.  
Assist in the development and implementation of the research and information literacy curriculum for College of Chiropractic students.  
Secure external funding for the design and conduct of research.  
Identify sources of research funding for Parker University.  
Develop projects in line with funding requirements and apply for external grants.  
Administer grants received consistent with all legal and ethical requirements.  
Increase Parker University's total publications, presentations and collaborations.  
Design and conduct all studies in accordance with legal and ethical requirements for the protection of human and/or animal subjects.
- 2011-Present** **University of Alberta**  
Research Assistant, CARE, Department of Pediatrics, Faculty of Medicine & Dentistry  
Develop manual of operating procedures, data collection forms / protocols, informed consent documents and other documents pertinent to assigned research projects.  
Organize, coordinate and run meetings with international investigators.  
Assist in writing project abstracts and manuscripts for publication.  
Conduct day-to-day supervision of data quality, recruitment activities, and enrollment status.  
Monitor management of research budget.
- 2011-2013** **Palmer Center for Chiropractic Research**  
Clinical Project Manager II  
Responsible for the supervision of assigned personnel.  
Develop manual of operating procedures, data collection forms / protocols, informed consent documents and other documents pertinent to projects.  
Conduct training and continuous quality improvement activities of clinical research personnel involved in assigned research projects.  
Monitor clinical and data protocols, including obtaining and maintaining licensure for data collection instruments.  
Communicate with the Institutional Review Board, Data and Safety Monitoring Committees, and funding agencies regarding the protection of human participants and project status.  
Formulate and guide plans for solving project-related problems.

## PROFESSIONAL EXPERIENCE, Con't

2007-2011

### Palmer Center for Chiropractic Research

Clinical Project Manager

Coordinate effectively with all levels of organizational structure for carrying out the assigned research activities.

Assist with the development of manual of operating procedures, data collection forms/ protocols, informed consent documents and other documents pertinent to projects.

Planning / monitoring recruitment of study participants with the use of various marketing strategies.

Planning and conducting training programs and quality improvement activities for both existing and new research personnel involved in the various research projects.

Participate in recruitment and evaluation of research clinical personnel.

Preparation of project reports for investigative members, institutional review boards, and data safety monitoring committees.

2006-2007

### Palmer Center for Chiropractic Research

Clinical Research Fellow (part-time Clinical Study Coordinator)

2006-Present

### Chiropractic Physician, Private Practice

Limited Home/Office Practice

- Iowa Chiropractic License #06897

## PEER-REVIEWED PUBLICATIONS

Goertz CM, Long CR, Vining RD, **Pohlman KA**, Walter J, Coulter I. The addition of chiropractic to usual medical care for low back pain: A controlled trial. *N Engl J Med (in submission)*

**Pohlman KA**, Carroll L, Tsuyuki RT, Hartling L, Vohra S. Active versus passive adverse event reporting after pediatric chiropractic manual therapy: study protocol for a cluster randomized controlled trial. *Trials (in submission)*

**Pohlman KA**, Carroll L, Hartling L, Tsuyuki R, Vohra S. Pediatric chiropractors' attitudes and opinions towards patient safety. *J Manipulative Physiol Ther* 2016 Sept;39(7):487-493.

Goertz CM, Salisbury SA, Vining RD, Long CR, **Pohlman KA**, Lamas GA. Upper cervical spinal manipulation does not lower blood pressure: results of a pilot sham-controlled trial. *J Manipulative Physiol Ther* 2016 Jun;39(5):369-380.

Hewitt E, Hestbaek L, **Pohlman KA**. Core competencies of the certified pediatric chiropractor: results of a Delphi consensus process. *J Evid Based Complementary Altern Med* 2016 Apr;21(2):110-114.

**Pohlman KA**, Carroll L, Hartling L, Tsuyuki R, Vohra S. Barriers to implementing a reporting and learning patient safety system: pediatric chiropractic perspective. *J Evid Based Complementary Altern Med* 2016 Apr;21(2):105-109.

Goertz CM, Long C, Vining R, **Pohlman KA**, Kane B, Corber L, Walter J, Coulter I. Assessment of chiropractic treatment for active duty, US military personnel with low back pain: a comparative effectiveness clinical trial with adaptive allocation (ACT 1). *Trials* 2016 Feb 9;17(1):70.

Goertz CM, Xia T, Long CR, Vining RD, **Pohlman KA**, DeVocht JW, Gudavalli MR, Owens EF, Meeker WC, Wilder DG. Effects of spinal manipulation on sensorimotor function in back pain patients – a randomized controlled trial. *Man Ther* 2016 Feb;21:183-190.

Vining RD, Salisbury SA, **Pohlman KA**. Eligibility determination for clinical trials: development of a case review process. *Trials* 2014;15:406.

Xia T, Wilder DG, Gudavalli MR, DeVocht JW, Vining RD, **Pohlman KA**, Kawchuk GN, Long CR, Goertz CM. Study protocol for patient response to spinal manipulation - a prospective observational clinical trial on physiological and patient-centered outcomes in patients with chronic low back pain. *BMC Complement Altern Med* 2014;14:292.

Vohra S, Kawchuk G, Boon H, Caulfield T, **Pohlman KA**. SafetyNET: An interdisciplinary team supporting a safety culture for a spinal manipulation therapy. *Eur J Integrative Medicine: special Patient Safety edition* 2014;6(4):473-477.

**Pohlman KA**, O'Beirne M, Thiel H, Cassidy JD, Mior S, Hurwitz EL, Westaway M, Ishaque S, Yager JY, Vohra S. Development and validation of providers' and patients' measurement instruments to evaluate adverse events after spinal manipulation therapy. *Eur J Integrative Medicine: special Patient Safety edition* 2014;6(4):451-466.

**Pohlman KA**, Vallone S, Nightingale L. Outcomes of a mentored pediatric research competition. *J Chiropr Educ* 2013;27(1):33-30.

## ONLINE CE ATTENDANCE CERTIFICATE

**Name:** \_\_\_\_\_

**Title:** Online: XXXX

**Address:** \_\_\_\_\_

**Course #** XXXX

**Date:** XXXX

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Location:** Online

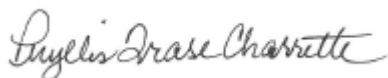
**STATE [only one per voucher]:** \_\_\_\_\_ **YOUR STATE LICENSE #:** \_\_\_\_\_

**DO NOT WRITE BELOW THIS BOX**

Completion Date	Class Hours	Course Title	Instructor
XX/XX/XX			

**TOTAL HOURS ATTENDED:** \_\_\_\_\_

**Board Approval No.** \_\_\_\_\_



\_\_\_\_\_  
**Phyllis Frase Charrette**  
Director, Parker Professional Programs

This certificate is to acknowledge your completion of the Online Continuing Education course shown above. This copy is for your records and can be submitted to your board of licensing. Please Note: Verify the information is correct upon receipt – discrepancies will only be accepted up to 6 months after the closing date of the course. Please keep this certificate in a secure place. Any replacement, copy, or fax will incur a \$25 fee per certificate.





These Questions are delivered via the Parker Seminars mobile App.

## Quality Feedback Survey

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Course Name: \_\_\_\_\_

Date: \_\_\_\_\_ Location: \_\_\_\_\_

**How did you hear about this Course?**

Parker Brochure     School E-mail     Referral     Parker Web Site     Other \_\_\_\_\_

**Please score each speaker on an “A to E” scale, with “A” Extremely Satisfied and “E” being Extremely Dissatisfied.**

How would you rate this speaker

a      b      c      d      e

Rate the overall content of the session:

a      b      c      d      e

Rate the classroom & facilities:

a      b      c      d      e

Please add any additional comments:

a      b      c      d      e

Is there a certain speaker or topic you would like to see next time?:

a      b      c      d      e

12) What topics would be of interest to you for future classes?  
\_\_\_\_\_

**Comments:**  
\_\_\_\_\_

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### THANK YOU FOR YOUR FEEDBACK!

The purpose of this quality feedback survey is to provide information to the Instructors and to Parker University about extant standards of performance. **Your response will be held in confidence. You will not be identified in any way by reference to your response. For additional complaints or concerns regarding this program please contact Parker University at 800.266.4723.** Parker University will share the outcomes of this evaluation with the Instructor, and will keep a copy on file in the Continuing Education Office to demonstrate compliance with accreditation standards and requirements.