

## CURRICULUM VITAE

**DATE:** November 2018

**NAME:** Karen Huhn, PT PhD

**PRESENT TITLE:** Professor and Chair School of Physical Therapy  
Husson University

**HOME ADDRESS:** 6 Coombs St. Bangor, Maine 04401

**OFFICE ADDRESS:** 1 College Circle, Bangor, ME 04401

**EMAIL:** huhnk@husson.edu

**CITIZENSHIP:** USA

### EDUCATION

Northeastern University  
Huntington Ave.  
Boston, Mass  
B.S. Physical Therapy            1989

University of Medicine and Dentistry  
65 Bergen St.  
Newark, NJ  
M.S. in Health Science            2005

University of Medicine and Dentistry  
65 Bergen St.  
Newark, NJ  
PhD in Health Science            2011

Education Leadership Institute Fellowship  
American Physical Therapy Association    2014-2015  
The mission of the APTA Education Leadership Institute (ELI) Fellowship is to develop innovative and influential leaders in physical therapy (physical therapist and physical therapist assistant) education who can function within a changing politico-sociocultural environment.

### EMPLOYMENT:

2016-present            Associate Professor and Chair  
Husson University School of Physical Therapy

2011-2016            Assistant Professor  
Rutgers The State University of New Jersey  
Doctor of Physical Therapy Program  
Newark, NJ

2007 to 2010	Assistant Professor Dominican College Doctor of Physical Therapy Program Orangeburg, NY
2008-2010	Instructor Rutgers The State University of New Jersey Doctor of Physical Therapy Program Newark, NJ
2005 to 2008	Adjunct Instructor University of Medicine and Dentistry of New Jersey School of Health Related Professions Newark, NJ
2014-2016	Physical Therapist Sunny Days Early Intervention Manalapan, NJ
2011-2013	Physical Therapist Core Physical Therapy Nutley, NJ 07110
2008-2012	Physical Therapist Pediatric Therapy Resources Jersey City, NJ
2007.	Physical Therapy Supervisor 1 <sup>st</sup> Cerebral Palsy of New Jersey Belleville, New Jersey
1996.	Staff Physical Therapist Porter Hospital Middlebury, VT
1996.	Physical Therapist Addison County Home Health Agency Middlebury, VT
1994.	Physical Therapist Associates in Physical and Occupational Therapy Burlington, VT
1991.	Physical Therapist Kessler Institute of Rehabilitation West Orange, NJ

**LICENSURE:** N.J. State Board of Physical Therapy #QA 04673  
Maine State Board of Physical Therapy PT 4769

**HONORS AND AWARDS:**

2008 Promotion of Doctoral Studies Scholarship-APTA, \$15,000  
The Foundation for Physical Therapy provides the competitive post-professional Promotion of Doctoral Studies (PODS) program to fund post-professional doctoral students preparing for research careers, who, having completed one full year of coursework, wish to continue or will be entering the dissertation phase.

**SERVICE ON INSTITUTIONAL SCHOOL COMMITTEES:**

**Institutional**

2017- present	Graduate Council, Husson University
2014-2015	Member Committee on Faculty Affairs, Rutgers University
2012-2014	Chair: Committee on Faculty Affairs, Rutgers University
2014-current	Member SHRP Inter professional Faculty Committee
2014	Member RBHS IPE Strategic Planning Committee
2011-2012	Member: Committee on Faculty Affairs

**SERVICE ON PROFESSIONAL ASSOCIATION**

2018-present	Member: Education Leadership Partnership sub-committee on clinical education
2017-present	Member: Education Leadership Partnership sub-committee on educational research in physical therapist education
2015-2017	Chair: Education Section Research Committee-Appointed to a 2-year term by the Board of Directors of the Education Section of the American Physical Therapy Association
2012-2014	Member: APTA Education Section Research Committee
2014-2018	Chair: Clinical Reasoning Research and Curricula Consortium-a national consortia supported by the Academic Council for Physical Therapy Education, 2 year term, I am the founding chair of the Consortia
2009-2016	Member: Association for the Advancement of Academic Computing
2010-2018	Member: American Educational Research Association-Research for the Professions Section
2012-2016	Member: Society for Simulation n Healthcare
2012-2016	Member: APTA Education Research Committee
2010-2012	Technopalooza: Education section coordinator

## **SERVICE ON JOURNALS/PUBLICATIONS:**

2017-present	Editorial Board Journal of Physical Therapy Education
2017-present	Reviewer for Physical Therapy Journal
2012-present	Reviewer for the Journal of Physical Therapy Education
2014-present	Reviewer for Journal of Allied Health
2013-present	Reviewer for Physiotherapy Research International

## **COMMUNITY SERVICE ACTIVITIES**

2014	Manager for Ask a Doc at National Special Olympics
2009, 2010	Volunteer New Jersey Special Olympics FunFitness
2009- 2011	Adult Advisor Venturing Crew 27

## **PEER REVIEWED PUBLICATIONS:**

**Huhn K**, Black L, Christensen N, Gilliland S, Wainwright, S Clinical Reasoning in Physical Therapy: A Concept Analysis, *Journal of Physical Therapy, Physical Therapy*, 99 (4): 440-456, 2019.

**Huhn K**, Black L, Christensen N, Furze J, Vendrely A, Wainwright, S Clinical Reasoning: Survey of Teaching Methods and Assessment in Entry-Level Physical Therapist Clinical Education, *Journal of Physical Therapy Education*, 32 (3): 218-225, 2018

**Huhn, K**, Effectiveness of a Critical Reasoning Course on Willingness to Think Critically and Skills of Self Reflection, *Journal of Physical Therapy Education*, 31(4):8-13, December 2017

Christiansen, N, Black, L, Furze, J, **Huhn, K**, Vendrely A, Wainwright, S Clinical Reasoning: Survey of Teaching Methods, Integration, and Assessment In Entry-Level Academic Physical Therapist Education, *Physical Therapy Journal* Vol 97, (2), 2017

**Huhn, K**, Parrott, JS Exploration of Relationships Between the Health Science Reasoning Test, The National Physical Therapy Licensing Examination and Cognitive Admissions Variables, *Journal of Physical Therapy Education*, Vol. 31 (1), 2017

**Huhn, K.**, McGinnis, P, Wainwright, S., Deutsch, JE., Comparison of 2 Delivery Methods: Virtual and Live *Journal of Physical Therapy Education*, Vol. 27, No 3 2014

**Huhn, K.** Black, L, Jensen, G, Deutsch JE Tracking Changes in Critical Thinking Skills, *Journal of Physical Therapy Education, Vol. 27 (3), 2014*

**Huhn, K.** Black, L, Deutsch, JE, Jensen, G, Construct Validity of the Health Sciences Reasoning Test, *J Allied Health* 2011; 40(4):181–186.

**Huhn, K.** Deutsch JE. Design and Assessment of a Web-based Patient Simulation Program. *Journal of Physical Therapy Education* 2011; 25: 5-10

Deutsch JE, Boberly M, Filler J, **Huhn K.** Guarrera-Bowlby P. Use of commercial gaming console (Wii) for rehabilitation of an adolescent with cerebral palsy. *Physical Therapy*; 88: 1196-1207, 2008

**Huhn, K.** Bowlby, P, Deutsch. Clinical Decision-Making Process of Prescribing Power Mobility for a Multiply Handicapped Child. *Pediatric Physical Therapy* 2007; 19: 254-260

**Huhn, K.** Anderson, E, Deutsch, J. Using a Web-Based Patient Simulation Program to Teach Clinical Reasoning to Physical Therapy Students: Feasibility and Pilot Studies. Published in 2008 Conference Proceedings of the E-Learn Conference

#### **BOOK CHAPTERS:**

*Clinical Reasoning and Decision Making in Physical Therapy: Facilitation, Assessment and Implementation*

Editors/Authors: Gina Maria Musolino, PT, DPT, MEd, EdD and Gail M. Jensen, PT, PhD, FAPTA, FNAP Publication status: In progress – due 2019 ISBN: 978-63091-408-0

#### **INVITED PRESENTATIONS:**

Clinical Reasoning Symposium, 2017, Creighton University, Omaha, NE  
Panel Discussant: A Cross Professions Clinical Specialties Dialogue  
Presenter: Assessing Clinical Reasoning for Learning and Competence: Education and Practice Across the Continuum

Huhn, K Inter-professional Collaborative Practice Panel  
Discussion, panel member, 2014 World Congress of Physical Therapy, Singapore

Huhn, K SimWars 2015 Regional Perinatal Simulation Center  
Keynote Speaker: Virtual Simulations for Learning and Assessment in Healthcare

## **PEER REVIEWED PRESENTATIONS:**

Huhn K, Glavin M, Sharrow S, Labelle B, Jandreau S, Norton R Can Virtual Patients Improve Clinical Reasoning? 2018 APTA Combined Sections Meeting, New Orleans

Huhn K, Kludig P, Miller T, McGinnis P, Wainwright, S 10 Tips for Mid-Career Faculty Development, Education Leadership Conference, Columbus Ohio, 2017

Huhn K, Black L, Christiansen N, Gilliland S, Wainwright S, Clinical Reasoning: A Concept Analysis, 2017 World Congress of Physical Therapy, Cape Town South Africa

Huhn, K, The Effect of a Clinical Reasoning Course on Students Willingness to Think and Reflect, 2015 Education Leadership Conference, Baltimore, MD

Huhn, K, Virtual Inter-Professional Education, Can It Work? 2015 World Congress of Physical Therapy, Singapore

Huhn, K, National Survey regarding Teaching Clinical Reasoning in the Classroom and Clinic in the United States, 2015 World Congress of Physical Therapy, Singapore

Huhn, K, Development of a Hybrid Tutorial/Serious Game to Teach Home Assessment and Modification, 15th International Meeting on Simulation in Healthcare (IMSH 2015). New Orleans, Louisiana, USA

Huhn, K, Exploration of Virtual Patient Cases and Standard Patient Cases for Inter Professional Education 15th International Meeting on Simulation in Healthcare (IMSH 2015). New Orleans, Louisiana, USA

Huhn, K, Wainwright, S, Christensen, N, Black. L, Furze, J, Vendrely A, Taking Our Pulse: Clinical Reasoning in the Classroom and Clinic, APTA Combined Sections Meeting, 2015

Huhn, K, Wainwright, S, McGinnis, P. (2012) Student Perceptions of Two Methods of Case Delivery: Simulation and Large Group Discussion, APTA Combined Sections Meeting, Chicago

Huhn, K (2011) Assessing Clinical Reasoning: The Health Science Reasoning Test, Educational Leadership Conference, Clearwater, Fla.

Huhn, K (2011) Effects of Two Instructional Methods: Computer Simulated Patients and Facilitated Group Discussion on Measures of Learning and Clinical Reasoning; World Conference of Physical Therapy, Amsterdam, Holland

Huhn, K (2010) Web-based Patient Simulation to Teach Clinical Reasoning; Health Professions Educational Research Symposium, Ft. Lauderdale, Fla

Huhn, K (2009) Enhancing Education with Technologies, UMDNJ; Virtual Patient Simulation Programs, Newark NJ

Huhn, K , Deutsch, JE (2008) NJEdge Annual Conference; Demonstration of a web-based patient simulation program for use in Allied Health Education Programs

Huhn, K, Deutsch JE, (2008) E-Learn World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Using a Web-Based Patient Simulation Program to Teach Clinical Reasoning to Physical Therapy Students: Feasibility and Pilot Studies, Las Vegas, NV

Huhn, K, Deutsch, JE; (2008) Development and Feasibility of Integrating a Web-based Patient Simulation Program Into an Existing Course, Annual Conference of the Association of Schools of Allied Health Professions, Baltimore, MD

Huhn, K, Deutsch, JE; (2008) Development of a Web-Based Patient Simulation Program, APTA Annual Conference, San Antonio, Tx

Huhn, K, Deutsch, JE; (2008) Development and Feasibility of Integrating a Web-based Patient Simulation Program Into an Existing Course, Annual Conference of the Association of Schools of Allied Health Professions, Baltimore, MD

Comparison of MWD and RWD Power Wheelchairs, Poster Presentation, NJ Annual Conference, 2004

Huhn, K, Ross, E, (2006) Modification of a Commercially Available Software Program for Physical Therapy Use, APTA Combined Sections Meeting, Boston, Mass

## **INTELLECTUAL PROPERTY:**

Royalties generated from sales of Virtual Physical Therapy Clinician,  
\$70,000 paid to Rutgers University as of 9/2015

L.I.V.E. Living Independently in a Virtual Environment, a hybrid  
tutorial/serious game. Designing Digitally Software Design

Virtual Physical Therapy Clinician©.  
Editors & Software Design. Myers, Hurley, Dorsey, Kevin, Benz,  
Eldon, and **Huhn, Karen**. D<sub>x</sub>R Development Group. Carbondale,  
IL. 2009-10.

Huhn, Karen. *The Jack Pullium Case*. In: Virtual PT Clinician.  
*Computer Patient Cases for Teaching and Evaluating Physical  
Therapy Clinical Reasoning Skills*. Editors & Software Design.  
Myers, Hurley, Dorsey, Kevin, Benz, Eldon, and Huhn, Karen.  
D<sub>x</sub>R Development Group. Carbondale, IL. 2009-10.

Huhn, Karen. *The Robert Anders Case*. In: Virtual PT Clinician.  
*Computer Patient Cases for Teaching and Evaluating Physical  
Therapy Clinical Reasoning Skills*. Editors & Software Design.  
Myers, Hurley, Dorsey, Kevin, Benz, Eldon, and Huhn, Karen.  
D<sub>x</sub>R Development Group. Carbondale, IL. 2009-10.

Huhn, Karen. *The Chester Abadie Case*. In: Virtual PT Clinician.  
*Computer Patient Cases for Teaching and Evaluating Physical  
Therapy Clinical Reasoning Skills*. Editors & Software Design.  
Myers, Hurley, Dorsey, Kevin, Benz, Eldon, and Huhn, Karen.  
D<sub>x</sub>R Development Group. Carbondale, IL. 2009-10.

Huhn, Karen. *The Amy Smith Case*. In: Virtual PT Clinician.  
*Computer Patient Cases for Teaching and Evaluating Physical  
Therapy Clinical Reasoning Skills*. Editors & Software Design.  
Myers, Hurley, Dorsey, Kevin, Benz, Eldon, and Huhn, Karen.  
D<sub>x</sub>R Development Group. Carbondale, IL. 2009-10.

Huhn, Karen. *The Cloe Walker Case*. In: Virtual PT Clinician.  
*Computer Patient Cases for Teaching and Evaluating Physical  
Therapy Clinical Reasoning Skills*. Editors & Software Design.  
Myers, Hurley, Dorsey, Kevin, Benz, Eldon, and Huhn, Karen.  
D<sub>x</sub>R Development Group. Carbondale, IL. 2009-10.

Huhn, Karen. *The Arthur Campo Case*. In: Virtual PT Clinician.  
*Computer Patient Cases for Teaching and Evaluating Physical  
Therapy Clinical Reasoning Skills*. Editors & Software Design.



Myers, Hurley, Dorsey, Kevin, Benz, Eldon, and Huhn, Karen.  
D<sub>x</sub>R Development Group. Carbondale, IL. 2009-10.

Huhn, Karen. *The Miriam Jones Case*. In: Virtual PT Clinician.  
*Computer Patient Cases for Teaching and Evaluating Physical  
Therapy Clinical Reasoning Skills*. Editors & Software Design.  
Myers, Hurley, Dorsey, Kevin, Benz, Eldon, and Huhn, Karen.  
D<sub>x</sub>R Development Group. Carbondale, IL. 2009-10

Huhn, Karen. *The Donna Swensen Case*. In: Virtual PT Clinician.  
*Computer Patient Cases for Teaching and Evaluating Physical  
Therapy Clinical Reasoning Skills*. Editors & Software Design.  
Myers, Hurley, Dorsey, Kevin, Benz, Eldon, and Huhn, Karen.  
D<sub>x</sub>R Development Group. Carbondale, IL. 2009-10

#### **GRANTS:**

Co-Investigator: Exploration of the Role of Movement in Physical Therapists' Clinical Reasoning. Academy of Physical Therapy Education, 2018, \$7647

Primary Investigator: Comparison of Standard Patient Cases and Virtual Patient Cases for Interdisciplinary Education. Foundation of UMDNJ 2012-13, \$20,000-complete

Primary Investigator: The Effects of a Computerized Patient Simulation Program AcITAC (2009-2010)-complete

Co-Investigator: Assessment of a Web-Based Patient Simulation Program AcITAC (2007-08)-complete

Co-Investigator: Modification of a Commercially Available Software Program for Physical Therapy Use AcITAC (2006-2007)-complete

#### **PHD STUDENTS:**

John Lugo PT MS-pre Candidacy  
Thesis Project: The Development and Assessment of a Web Based Interactive Simulation to Enhance the Instruction of Clinical Electrophysiology

Peer reviewed presentations:  
The Development of an Online Interactive Educational Tool to Enhance the Instruction of Clinical Electrophysiology in Physical Therapy, APTA Combined Sections Meeting, 2015

Grant applications:

College of Staten Island Technology Mini Grant-submitted

APTA Education Section Research Grant-submitted

John's project is development of a web-based simulation to teach EMG/NCV skills