

CURRICULUM VITAE

Brittney Millspaugh-Storms, PT, DPT, MBA, NCS

Education:

Graduate Certification in Human Anatomy (12 credit hours)
Hardin-Simmons University
Graduate Human Anatomy
Anticipated May 2022 (currently enrolled)

Master of Business Administration (64 credit hours)
Southwest Baptist University
Business Administration
July 2012

Doctor of Physical Therapy (154 credit hours)
Southwest Baptist University
Bolivar, Missouri
Physical Therapy
May 2010

Bachelor of Arts (120 credit hours)
Anderson University
Anderson, Indiana
Biology with emphasis in molecular biochemistry and genetics
May 2007

Licensure Information:

PT license-active status
Indiana
05010361A

Certifications:

ABPTS
Neurologic Physical Therapy 2016-2026
Certificate # 47841

Pelvic Health Level 1

2010-perpetuity

Phlebotomist Certification

State of Indiana

2004-perpetuity

Laboratory sample management and blood collection

Y Scuba

Advanced Open Water

2006-perpetuity

PADI

Deep Diver

2017-perpetuity

PADI

Lion Fish Hunting

2018-perpetuity

PADI

Night Diver

2019-perpetuity

PADI

Search and Recovery

2021-perpetuity

Employment and Positions Held:

Assistant Professor

Tenure Tract

Indiana State University

Terre Haute, Indiana

August 2015 - current

PRN Physical Therapist

Indiana State Physical Therapy and Sports Rehabilitation

Terre Haute, Indiana

July 2017-Current

Staff Physical Therapist

St. Vincent Anderson Regional Hospital (Formerly St. John's Hospital) 6/2010-12/2016

Anderson, Indiana

June 2010-July 2015-Full-time
July 2015-January 2016-PRN

Teaching Assistant 2003-2010
Human Anatomy-3 years
Molecular Genetics-2 years
Microbiology-2 years
Cellular Biology-3 years
Zoology (animal cell structure and function)-2 years

Physical Therapy Technician
St. Vincent Anderson Regional Hospital (Formerly St. John's Hospital)
Anderson, Indiana
May 2003-May 2007 PRN school year, full-time summer

Laboratory Technician
St. Vincent Anderson Regional Hospital (Formerly St. John's Hospital)
Anderson, Indiana
May 2003-May 2007 PRN school year, part-time summer

Experience Related to Sciences and Medicine

Experience in the following areas:

- Gross Human Anatomy-6 years
 - Human cadaver dissection (~150 individual cadavers)
 - Dissection (non-cadaver)
 - Preparation
 - Cause of death
 - Identification of illness/injury
 - Identification of fields of employment/lifestyle

- Histology-4 years
 - Tissue preparation
 - Tissue collection
 - Sample preparation
 - Slide preparation
 - Identification of illness/injury
 - Identification of specific tissues/substance

- Microscopy-9 years
 - Slide preparation

Identification of normal vs abnormal samples
Identification of cell structure/type
Identification of cellular substances
Identification of bacterium

Genetics-2+ years

DNA preparation
DNA analysis including PCR
ELISA
Gel electrophoresis
Gel, tube, slant, and dish preparation and use

Peer Reviewed Scientific and Professional Publications:

Storms, B., Storms, J., Sekta, A., Rayburn, H., Baygani, P., Stradling, A., (2023)
What are the Current Research and Trends in E-Sports in Physical Therapy?
CSM 2023 with subsequent abstract publication in the Journal of the Academy of Sports
Physical Therapy

Storms, B., Cain, C., Collman, H., McKinstry, B., Vadeboncouer, A., (2022) Effect of
BWSTT on Functional Mobility for a Neurologically Atypical Adult with Chronic Gait
Deviations
Accepted to CSM 2022 and subsequent abstract publication in the Journal of the
Academy of Neurologic Physical Therapy

Kiesel, J., Covert, D., Stevens, D., Millspaugh Storms, B., Urban, W., (2020) Helping
Underserved Children Make Healthy Choices through Outreach and Education Utilizing
Diseased Organs. *Journal of Health Administration and Policy*.
<https://apta.confex.com/apta/csm2020/meetingapp.cgi/Paper/24607>

Millspaugh Storms, B., Covert, D., Markham, J., Underwood, D., (2018). Benefits of
Tango, Boxing, and LSVT Big Interventions for Parkinson Disease. *Journal of Neurologic
Physical Therapy*. 42(1):44–56, JAN 2018 DOI: 10.1097/NPT.000000000000206

Millspaugh Storms, B., Covert, D., Shaffer, J., Abshire, D., Vogel, J., (2018). Body Weight
Support Treadmill Training and High-Intensity Interval Training Effects on Gait
Performance in Chronic Cerebrovascular Accident: A Case Study. *Journal of Neurologic
Physical Therapy*. 42(1):44–56, JAN 2018 DOI: 10.1097/NPT.000000000000206

Covert, D., Millspaugh Storms, B., Fitch, A. (2017). Chemical and Histological Analysis of
Leptomeningeal Plaques. *FASEB Journal*, 31(1)1b703

Ladyman, M., Millspaugh Storms, B., Bennett, S., Marshall, K., Cook, A., (2017). Does a dance and activity-based intervention for the Down syndrome population affect the physical limitations (social interaction, manual dexterity, and balance control) associated with employment?. *JAOTA*, 71(4)

Gurovich, A., Coover, D., Millspaugh Storms, B., Terry, K., (2016) Combining Physiology and Health Care Professions Education in rural High School-aged Students: High Tech PhUn!. *FASEB Journal*, 30(1) 553.3

Millspaugh Storms, B., McNeal, B., (2011) Effectiveness of a One Time Visit for a Patient with Cerebrovascular Accident in An Impoverished South American Community. *HPA Resource*, 11(1)

Millspaugh Storms, B., (2011) Ambulation with Bilateral Bioness L300 Units on a T4 Incomplete Spinal Cord Injury. *JNPT*, 35(1)

Non-Peer Reviewed Presentations:

Millspaugh Storms, B., (2007) Partial Articulation and Display of the Anderson University Mastodont. Anderson University (n.d.).

Funded/In Review Grant Activity:

Alvaro Gurovich, PT, PhD, Brittney Millspaugh Storms, PT, DPT, MBA, NCS
ISU Local Travel Grant
\$900.00

Providing transportation to Prevail Prosthetics and Orthotics in Indianapolis for DPT students and faculty
Awarded August 2016

Brittney Millspaugh Storms, PT, DPT, MBA, NCS Tiffany Idlewine, PT, DPT, OCS
ISU Center for Community Engagement Grant
\$1,400.00
Matching for Indiana Campus Compact Grant for providing education regarding concussions and baseline screens for youth football
Awarded July 2016

Brittney Millspaugh Storms, PT, DPT, MBA, NCS Tiffany Idlewine, PT, DPT, OCS
Indiana Campus Compact
\$2850.00

Providing education regarding concussions and baseline screens for youth football program
Awarded June 2016

Brittney Millspaugh Storms, PT, DPT, MBA, NCS
ISU Local Travel Grant
\$1,200.00

Providing transportation to Prevail Prosthetics and Orthotics in Indianapolis for DPT students and faculty
Awarded August 2017

Brittney Millspaugh Storms, PT, DPT, MBA, NCS
ISU Local Travel Grant
\$1,600.00

Providing transportation to Prevail Prosthetics and Orthotics in Indianapolis for DPT students and faculty
Awarded August 2018

Brittney Millspaugh Storms, PT, DPT, MBA, NCS
Good-Sports Equipment Grant
\$25,000.00

Provides equipment for students to use with children while providing health education and physical activity.
Awarded June 2019

Brittney Millspaugh Storms, PT, DPT, MBA, NCS
Duke Energy Community Grant
\$10,000.00

Provides equipment/educational needs for students to provide health education and physical activity for local children.
Awarded July 2020

Current/Research Activity:

Homonymous Hemianopia as a presenting symptom in a 14 year old athlete post concussion

Submitted to American College of Sports Medicine as a presentation

Effect of Exercise on the Retention of Novel Learning in Young Adults

Ongoing project

Impact of prehabilitation and rehabilitation on esports athletes

Ongoing systematic review

Presentations*

TedX Women's Program

Indiana State University

12/2021

BWSTT on Functional Mobility for a Neurologically Atypical Adult with Chronic Gait Deviations

APTA CSM February 2022

Underserved Children Make Healthy Choices through Outreach and Education Utilizing Diseased Organs.

APTA CSM February 2000

Concussion Management in a Community Based Youth Tackle Football Program

ASHA Oct 2018 presentation

Benefits of Tango, Boxing, and LSVT Big Interventions for Parkinson's Disease

APTA CSM February 2018

Body Weight Support Treadmill Training and High-Intensity Interval Training Effects on Gait Performance in Chronic Cerebrovascular Accident: A Case Study.

APTA CSM February 2018

Chemical and Histological Analysis of Leptomeningeal Plaques.

Experimental Biology April 2017

Does a dance and activity-based intervention for the Down syndrome population affect the physical limitations (social interaction, manual dexterity, and balance control) associated with employment?

AOTA April 2017

Combining Physiology and Health Care Professions Education in rural High School-aged Students: High Tech PhUn!
Experimental Biology 2016

Effectiveness of a One Time Visit for a Patient with Cerebrovascular Accident in An Impoverished South American Community
APTA CSM February 2011

Ambulation with Bilateral Bioness L300 Units on a T4 Incomplete Spinal Cord Injury
APTA CSM February 2011

*Note: The above publications were presented as posters at the corresponding organization with subsequent publication in the associated journal

Membership in Scientific/Professional Organization

APTA Membership-September 2014-current
Neuro Section Member
Education Section Member
Health Policy and Administration Section Member
Indiana Chapter Member

APTA membership-April 2008- April 2011
Neuro Section Member
Missouri Chapter Member

Consultative and Advisory Positions Held:

Bio

Promethius Entertainment
Consultant (details limited due to NDA)
Nova Scotia, Canada
Summer 2019-(paused secondary due to active pandemic)

Indiana State Police/Federal Bureau of Investigation
Expert Consultant for Gait Analysis (details limited due to active investigation)
Spring 2019

Member of the Terre Haute Boys and Girls Club Board of Directors
April 2017-Current

Rose-Hulman Institute of Technology
Consultant for BioMedical Engineering Program
July 2016-Spring 2019

Member of Board Transformation Board
Boys and Girls Club of America
June 2017-June 2018

Guest Lecturer Depaw University
Greencastle, Indiana
April 2018

Guest Lecturer Indiana University School of Medicine-Terre Haute
February 2018

Guest Lecturer Depaw University
Greencastle, Indiana
April 2017

Guest Lecturer Indiana University School of Medicine-Terre Haute
February 2017

Community Service:

- International Service
 - Timothy Global Health
Monte Cristi/Mao, Dominican Republic
01/2020
 - Sandals Foundation
Ocho Rios, Jamaica
3/2019
 - Timothy Global Health
Mao, Dominican Republic
01/2019
 - Timothy Global Health
Mao, Dominican Republic
01/2018
 - Sandals Foundation
Ocho Rios, Jamaica
3/2016

- Sandals Foundation
Ocho Rios, Jamaica
3/2016
- Sandals Foundation
Savanah La Mar, Jamaica
4/2015
- Sandals Foundation
Ocho Rios, Jamaica
4/2014
- Sandals Foundation
Ocho Rios, Jamaica
4/2013
- First Baptist, Bolivar Missouri Medical Missions
San Salvador, El Salvador
07/2011
- Medical Missions International
Arequipa, Peru
11/2009
- Home of Loving Faithfulness
Hong Kong
05/07-08/07
- Siete
Ensenada, Mexico
7/06-08/06
- Home of Loving Faithfulness
Hong Kong
05/05-08/05
- Community and Volunteer Work
 - Terre Haute Boys and Girls Club Youth Tackle Football Concussion Program
Summer 2020-Fall Oct 2020
 - Terre Haute Boys and Girls Club Youth Tackle Football Concussion Program
Summer 2019-Fall Oct 2019
 - Terre Haute Boys and Girls Club Youth Tackle Football Concussion Program
Summer 2018-Fall Oct 2018
 - Terre Haute Boys and Girls Club
Terre Haute, Indiana
Weekly with DPT Students

1/2016-Current

2-4hrs weekly during the public school calendar

- Terre Haute Boys and Girls Club Youth Tackle Football Concussion Program
Summer 2018-Fall Oct 2018
- Terre Haute Boys and Girls Club Summer Programing
~300 hrs Summer 2018
- Foster Grandparents
Oct 2018, Oct 2019, Oct 2021
- Rural Health Initiative Coalition Community Health Fair
Terre Haute, Indiana
10/14/2017
- Foster Grandparents
10/20 and 10/27/2017
- Union Health Pediatric Therapy Fund 5K and Fun-Run
Terre Haute, Indiana
9/20/17
- Terre Haute Boys and Girls Club Youth Tackle Football Concussion Program
4 days per week, 4-8hrs per day
July 22-Aug 10, 2017
- Rural Health Initiative Coalition Community Health Fair
Terre Haute, Indiana
11/2/2016
- Foster Grandparents
10/20 and 10/27/ 2016
- Blues at the Crossroads
Terre Haute, Indiana
9/20/16
- Terre Haute Boys and Girls Club Youth Tackle Football Concussion Program
Daily 4-8hrs
July 18-Aug 5, 2016
- Foster Grandparents
Terre Haute, Indiana
10/23/2015 &10/30/2015
- Rural Health Initiative Coalition
Terre Haute, Indiana
10/26/15
- Indiana University Health Fair
Terre Haute, Indiana

- 10/24/15
- The Color Run
Terre Haute, Indiana
8/20/2015
- Indiana Canine Assist Network
Speedway, Indiana
12/2013-current
- United Way
Anderson, Indiana
6/2010-7/2015
- St. John's Foundation
Anderson, Indiana
6/2010-7/2015
- Horses of Hope
Buffalo, Missouri
08/2007-05/2010
- Ronald McDonald House
Springfield, Missouri
10/2005-5/2010

**Services to the University/College/School on
Committees/Councils/Commissions:**

- BioSafety Committee
Indiana State University
Oct 2021-current
- Academic Advisor
Doctor of Physical Therapy Program
May 2016-current
- Faculty Advisor
Student Physical Therapy Association
August 2017-current
- Community Outreach Committee-Chair
Physical Therapy Program
Indiana State University
08/2015-current
- Policy Committee
Physical Therapy Program
Indiana State University
08/2015-Fall 2020
- Student Enrichment-Chair

- Physical Therapy Program
Indiana State University
8/2017-current
- Research Taskforce-chair
Department of Applied Medicine and Rehabilitation
08/2017-5/2020
- University Student Success Council-member
Indiana State University
08/2017-06/2018
- Speaker Series Committee-member
Applied Medicine and Rehabilitation Department
10/2016-Fall 2018
- Speaker Series Committee-member
Applied Medicine and Rehabilitation Department
10/2016-Fall 2018
- Faculty Advisor
Undergraduate Physical Therapy Club
September 2015-May 2018
- Professionalism Taskforce-Chair
Physical Therapy Program
Indiana State University
01/2016-August 2018
- Marketing and Alumni Affairs Committee-Member
Physical Therapy Program
Indiana State University
08/2015-8/2017
- Curriculum Development Committee
Department of Health and Human Services
Indiana State University
09/2015-12/2017
- Home Coming Committee
College of Health and Human Services
Indiana State University
08/2015-08/2016
- Clinical Instructor University of Indianapolis-2 PTA student, 5 PT students, 1 PT intern-
October 2012 to July 2015
- Ivy Tech-3 PTA students
May 2011- July 2015
- Indiana University-1 PT student
January 2014 to July 2015
- University of Evansville-2 PT students
May 2012 to July 2015
- Staff Educator
St. Vincent Anderson Regional Hospital

- Sept 2011-July 2015
- Guest Lecturer
Southwest Baptist University
December 2014
- Guest Lecturer
Anderson University
April 2012

Honors and Awards:

- Blue Ribbon
Global Health SIG
APTA
02/2020
- Faculty Service Award
Dept of Health and Human Services
Indiana State University
08/2019
- Career Center Faculty Recognition
Indiana State University
07/2019
- Volunteer Hero
Indiana State University
09/2017
- Faculty Center for Teaching Excellence
Lily Conference Honor
Indiana State University
11/2016
- L.O.V.E.D award
St. Vincent Anderson Regional Hospital
09/2012
- CSM “Social Responsibility” Poster Award
HPA Global Health Sig
02/2011
- Bill Carl Service Award
Southwest Baptist University
05/2010
- Distinguished Student Scholarship
St. John’s Hospital

01/07-2010

- Anderson Servant Leader Honor
City of Anderson Indiana and Anderson University
05/2007

Continuing Education Attended:

- Combined Sections Meeting 2020-7 sessions attended
- Combined Sections Meeting 2019-8 sessions attended
- Jurisprudence and Ethics-home study course 06/2018
- Combined Sections Meeting 2018
Sessions Attended:
Multimodal Physical Therapy for Youth Concussion
Implicit Bias: Everybody Has It!
Academic Remediation: Legal and Resource Considerations
Five-Dimensional Model of Ethics: In Search of the Moral Commons
Test your Liability IQ: Top Reasons PTs Get Sued
MI-informed PT? Mastering the Guiding Style of Motivational Interviewing
Building Partnerships in Global Health: Where to Start and How to Document Progress
- Combined Sections Meeting 2017
Sessions Attended:
Pusher Syndrome: Neuroscience, Evidence, Assessment, and Treatment
Acute Care Academics: Speaking About the Unspoken
Clinical Management of Lateral Canal Benign Paroxysmal Positional Vertigo
Ethical Challenges: Down the Rabbit Hole into Academic and Clinical Wonderland
The Physical Therapists' Role in Humanitarian Crises
Expanding Treatment Strategies for Persistent Non-vertiginous Dizziness
- Lily Conference on Higher Education 11/2016
- Jurisprudence and Ethics-home study course 06/2016
- APTA New Faculty Development Workshop
7/2016
- Teaching Triangles (voluntary review of teaching)
Faculty Center for Teaching Excellence
4/2016
- Combined Sections Meeting 2016
Sessions Attended:
Integrating a Budget and Risk-Friendly Student Run Pro Bono Clinic into the Curriculum

Differentiating Migraine, Cervicogenic, and Anxiety-Related Dizziness
Optimizing Exercise Effects on Neuroplasticity to Promote Motor Rehabilitation
See No Evil, Hear No Evil, Speak No Evil: Ethical Challenges in Academia
More Common Than You Think: Vestibulo-ocular and Vestibulospinal Dysfunction in
Aging and Neurodegenerative Disease
Educational Research in Physical Therapy: The Good, the Bad, the Future
Linking Remote Lesion Effects to Recovery After SCI
Walking Adaptability After Neurologic Injury: Assessment and Intervention
2/2016

- Unfinished Business: A Book Study
Faculty Center for Teaching Excellence
12/2015
- Student Success Conference
Indiana State University
10/7/2015
- Mindset: A Book Study
Faculty Center for Teaching Excellence
08/2015-10/2015
- Interprofessional education: All Aboard 03/2015
Online course
- Combined Sections Meeting 2015
Sessions attended:
Navigating the Journey of Academic Life
Ethical Challenges in Academia
Improve Locomotor Recovery Post Stroke
Alzheimer Disease
Aquatic Exercise for Neurological Disorders
The Obese or Overweight Patient with SCI
Diagnosis and Management of Brainstem and Cerebellar Infarctions
- Gait Training After Stroke: Do it Right the First Time! 2/2015
- STREAM uses in rehab-in-service-12/2014
- Myasthenia Gravis Current Evidence review-in-service 12/2014
- Jurisprudence and Ethics-home study course 09/2014
- Global Health-in-service 07/2014
- Amputee Walking School 3/2014
- Alcoholism and Rehabilitation-in-service 2/2014
- ICAN handler training 12/2013

- The Medically Complex Geriatric Patient: Assessment, Examination and Rehabilitation Interventions 10/2013
- Amputee Walking School Rehabilitation Hospital of Indiana 10/2013
- Pre-gait and Gait training post LE amputation-6/2013
- 6 MWT Implementation in acute care and acute rehab 12/2012
- PT CPI training-09/2012
- PTA CPI training-5/2012
- Pelvic Physical Therapy Level 1 03/2011
- Combined Sections Meeting-New Orleans 2011
Sessions Attended:
The Role of Physical Therapist in Disaster Relief
Walking the Walk
Bridging the New Grads/Employee Expectations Gap
Poster Presentations
Neuro Platform Presentations

Teaching Responsibilities at the Undergraduate Level

- Human Anatomy-model based
- Advanced Human Anatomy-cadaver based
- Intro to Health Professions-intermittently on an as needed bases

Teaching Responsibilities in the Entry-level Doctor of Physical Therapy Program (in sequence, by quarter or semester):

- Semester 1
Gross Human Anatomy (Cadaver Lab)-intermittently in lab each semester
- Semester 2
Neuroanatomy-anatomy specific to the human nervous system
- Semester 3
Life Span Development-Changes throughout the human life span, birth to death
- Semester 5
Applied Neuroscience II-presentation and treatment of various neurologic injuries
- Semester 6
Applied Neuroscience III- presentation and treatment of various degenerative neurologic illnesses
- Semester 8

Special Populations-presentation and treatment of injuries, illnesses, and expected health related changes associated with aging and special circumstances

Health Administration and Policy-business and financial aspects of the practice of physical therapy

Health Promotion and Wellness-Project section