

Mrs. Anhue Yohali Burrola Mendez

Correspondence language: English

Contact Information

The primary information is denoted by (*)

Address

Telephone

Mobile (*)

Email

Personal (*)



Protected when completed

Mrs. Anhue Burrola Mendez

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
French	Yes	No	No	Yes
Italian	Yes	Yes	Yes	Yes
Spanish; Castilian	Yes	Yes	Yes	Yes

Degrees

2016/1 - 2020/8	<p>Doctorate, Rehabilitation Science and Technology, University of Pittsburgh Degree Status: Completed</p> <p>Supervisors: Dr. Jonathan Pearlman; Dr. Mary Goldberg</p>
2013/8 - 2014/8	<p>Master's non-Thesis, Masters of Science, Musculoskeletal Physical Therapy, University of Pittsburgh Degree Status: Completed</p> <p>Supervisors: Dr. Michael Timko</p>
2005/8 - 2010/8	<p>Bachelor's Honours, Physical Therapy, American British Cowdray Medical Center Degree Status: Completed</p> <p>Supervisors: Daniel Harris Howard</p>

Credentials

2021/2 - 2023/2	Wheelchair Service Provider Certification, International Society of Wheelchair Professionals
2020/11 - 2022/11	Basic Life Support, American Heart Association

Recognitions

2010/8	Summa Cum Laude - Physical Therapy Degree American British Cowdray Hospital Honor
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User Profile

Researcher Status: Post-doctoral Student

Research Interests: Rehabilitation, Wheelchair Service Provision Education, Disability, Physical Therapy, Knowledge translation, Global health

Research Specialization Keywords: Disability, Education, Rehabilitation, wheelchairs

Disciplines Trained In: Physiotherapy

Research Disciplines: Physiotherapy

Areas of Research: Adult Education and Continuing Education, Rehabilitation Care and Services

Fields of Application: Education, Public Health

Employment

2021/1	Post-Doctoral Fellow Centre de Réadaptation Marie Enfant, Occupational Therapy, Centre de recherche du CHU de Québec
2020/8	WHO Wheelchair Service Standards External Review Group Member World Health Organization
2020/5 - 2021/5	Consultant - Support the development of a national strategic plan to train primary healthcare workers on the prevention and detection of maternal and child undernutrition using a hybrid training approach. Mexico, UNICEF
2020/1 - 2021/1	Chair of the International Society of Wheelchair Professionals Assessment Tool Committee International Society of Wheelchair Professionals
2016/1 - 2020/8	Graduate Student Researcher Rehabilitation Science, School of Health and Rehabilitation Science, University of Pittsburgh
2017/7 - 2020/7	Vice-chair of International Special Interest Group Rehabilitation Engineering Society of North America (RESNA)
2015/2 - 2019/8	Certified Trainer of Wheelchair Service Provision - Basic and Intermediate Levels International Society of Wheelchair Professionals
2016/1 - 2017/12	Vice-Chair of International Society of Wheelchair Professionals Hybrid Subcommittee University of Pittsburgh
2014/8 - 2015/12	Graduate Researcher Rehabilitation Science, School of Health and Rehabilitations Science, University of Pittsburgh
2013/12 - 2014/7	Graduate Student Assistant Rehabilitation Science, School of Health and Rehabilitation Sciences, University of Pittsburgh
2011/1 - 2013/7	Head Student Advisor at the Physical Therapy University Board Universidad Popular Autonoma del Estado de Mexico
2010/8 - 2013/7	Founding Member of the Academic Council at the School of Physical Therapy Universidad Popular Autonoma del Estado de Puebla
2010/7 - 2013/7	Assistant Professor Medicine, Physical Therapy, Universidad Popular Autonoma del Estado de Puebla

Affiliations

The primary affiliation is denoted by (*)

(*) 2021/1 Post-Doctorate Fellow, Centre de recherche du CHU de Québec

Research Funding History

Awarded [n=1]

Principal Applicant First Postdoctoral year, Fellowship
Clinical Research Project?: No

Funding Sources:

2021/1 - 2022/1 United States Agency for International Development (The) (USAID)
Total Funding - 64,000 (United States dollar)
Portion of Funding Received - 64,000 (United States dollar)

Completed [n=3]

Principal Applicant National Academic Excellence Scholarship to study a PhD abroad, Scholarship
Clinical Research Project?: No

Funding Sources:

2016/8 - 2020/8 Consejo Nacional de Ciencia y Tecnologia (CONACYT) (Mexico)
National Merit Scholarship
Total Funding - 123,460 (United States dollar)
Portion of Funding Received - 51,700 (United States dollar)

Principal Applicant Graduate Student Researcher Scholarship to study PhD, Scholarship
Clinical Research Project?: No

Funding Sources:

2016/1 - 2020/8 University of Pittsburgh
Graduate Merit Scholarships
Total Funding - 384,600 (United States dollar)
Portion of Funding Received - 96,000 (United States dollar)

Principal Applicant Tom Hall Global Health Education Grants, Grant
Clinical Research Project?: No

Funding Sources:

2018/1 - 2018/12 Consortium of Universities for Global Health
Tom Hall Global Health Education Grants
Total Funding - 5,000 (United States dollar)
Portion of Funding Received - 5,000 (United States dollar)

Co-applicant : Dr. Mary Goldberg

Student/Postdoctoral Supervision

Bachelor's [n=1]

Co-Supervisor Méli $\text{\`{s}}$ sa Chabane (In Progress)
Student Degree Start Date: 2019/1
Thesis/Project Title: Summer Internships Program of the CHU Sainte-Justine Research Centre

Master's non-Thesis [n=1]

Co-Supervisor Selsabil-Anfel Bouziane (In Progress)
Student Degree Start Date: 2020/8
Thesis/Project Title: Summer Internships Program of the CHU Sainte-Justine Research Centre

1. ACTIVITIES AND CONTRIBUTIONS

International Leadership Activities (last 5 years)

1. Invited speaker at the *I Congreso Internacional por la Discapidad* (First International Disability Congress). Mexico. December 2020.
2. Chair of the *ISWP Assessment Tool Committee*. January 2020-present.
3. Vice-chair of Rehabilitation Engineering Society of North America (RESNA) *International Special Interest Group*. July 2017-2020.
4. Invited speaker at the *III Health Science Congress*. Spain. July 2020.
5. Co-Chair of the *ISWP Hybrid Course Sub-Committee*. January 2016-August 2018.
6. Invited speaker at the *Mexican Physiotherapy Congress*. Mexico. November 2017.

Evaluation of articles for scientific journals Journal: Assistive Technology; # of article evaluated: 2

Consulting activities.

1. World Health Organization (WHO). Member of the External Review Group of the *WHO Standards for Wheelchair Service Provision*. August 2020-present.
2. UNICEF Mexico. Support the development of a national strategic plan to train primary healthcare workers on the prevention and detection of maternal and child undernutrition using a hybrid methodology. Status: Project awarded. May 2020 – 2021.

Teaching Activities

1. *Invited lecturer*, School of Biomedical Engineering, Universidad Iberoamericana, Puebla, Mexico. June 2021. Teaching hours: 20
2. *Teaching Assistant*, School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, USA. August-December 2017. Teaching hours: 24.
3. *Assistant Professor*, School of Physiotherapy, UPAEP University, Puebla, Mexico. August 2010-2013. Teaching hours: 1216.

Supervisory Experience (2021) University of Montreal / Summer Internships Program of the CHU Sainte-Justine Research Centre

Student	Program	From	To	#Articles
Selsabil-Anfel Bouziane	Master of Science in Occupational Therapy	May	August	1
Mélissa Chabane	Bachelor's in Physical Therapy			0

Non-profit activities

I have volunteered with international organizations training health care personnel based on the WHO Wheelchair Service Training Package (WSTP) Basic and Intermediate level.

Course	Country	# People trained	Training hours	Date
WHO WSTP – Basic	Nicaragua	16	40	August 2019
WHO WSTP – Intermediate	Mexico	40	80	September 2016
WHO WSTP – Intermediate	The Philippines	20	80	July 2015
WHO WSTP – Basic	Nicaragua	20	40	April 2015
WHO WSTP – Basic	Salvador	25	40	March 2015

Editorships. Member of the Editorial Board of the Wheelchair Skills Program. June 2020 – present.

Organization of international conferences. As Vice-chair RESNA International Special Group Interest, I assisted in organizing networking events and student design competitions on assistive technology products in 3 international annual conferences (2017-2019).

2. PATENTS AND INTELLECTUAL PROPERTY

- 1) Invention Disclosure Title: ISWP Wheelchair Service and Provision Resources

Date Submitted:06/03/21

Case # 05713 – University of Pittsburgh, PA, USA.

Innovators: Satria Ardianuari, Nancy Augustine, **Anhue Yohali Burrola Mendez**, Mary Rohland Goldberg, Krithika Kandavel, Padmaja Kankipati, Anand Ashok Mhatre, Alexandria Monique Miles, Sara Munera Orozco, Jonathan L. Pearlman, Maria Luisa Toro Hernandez, Stephanie Vasquez Gabela.

Description: The innovators created a suite of services to help professionalize the wheelchair sector globally and to advocate for appropriate wheelchair provision and services, with a focus on less-resourced countries. The services will result in an increased professional capacity, broader availability of wheelchairs and services and a greatly improved quality of life for wheelchair users worldwide.

3. LIST OF PUBLICATIONS**SUMMARY TABLE**

Publications	
Peer-reviewed articles published as first author	3
Other peer-reviewed and published articles	4
Other accepted and in-press articles	
Other articles submitted to refereed journals	1
Book chapters and collective works	1
Other documents (specify if needed)	1
Total number of publications	10
Conferences and oral scientific presentations	
At the host university or research institute	1
Provincial or regional scale	
National scale	2
International scale	7
Total number of conferences and oral presentations	10
Poster presentations	
At the host university or research institute	2
Provincial or regional scale	1
National scale	
International scale	2
Total number of poster presentation	5

PUBLICATIONS (N=10)**Published peer-reviewed articles as first author (n=3)**

- 1) **Burrola-Mendez Y**, Bonilla-Escobar FJ, Goldberg M, Pearlman J. Comparing the effectiveness of a hybrid and in-person courses of wheelchair service provision knowledge: A controlled quasi-experimental study in India and Mexico. PLoS One. 2019;14(5):e0217872. Percentage of contribution: **Burrola-Mendez (65%)**, Bonilla-Escobar (20%), Goldberg (10%), and Pearlman (5%). Funding source: United States Agency of International Development (USAID).
- 2) **Burrola-Mendez Y**, Toro-Hernández ML, Goldberg M, Pearlman J. Implementation of the hybrid course on basic wheelchair service provision for Colombian wheelchair service providers. PLoS One. 2018;13(10):e0204769. Percentage of contribution: **Burrola-Mendez (65%)**, Toro-Hernandez (20%), Goldberg (10%), and Pearlman (5%). Funding source: USAID and International Society of Wheelchair Professionals (ISWP).
- 3) **Burrola-Mendez Y**, Goldberg M, Gartz R, Pearlman J. Development of a Hybrid Course on Wheelchair Service Provision for clinicians in an international context. PLoS One. 2018;13(6):e0199251. Percentage of contribution: **Burrola-Mendez (75%)**, Gartz (10%), Goldberg (10%), and Pearlman (5%). Funding source: USAID.

Other peer-reviewed and published articles (n=2)

- 1) Ancira-Moreno M; Monterubio-Flores E; Hernández-Cordero S; Omaña-Guzmán I; Soloaga I; Torres F; Reyes M; **Burrola-Mendez Y**; Morales-López A. Incidence of low birth weight in Mexico: a descriptive retrospective study from 2008 – 2017. PLoS One. 2021;16(9):e0256518. Percentage of contribution: Ancira-Moreno M (20%); Monterubio-Flores E (15%); Hernández-Cordero S (5%); Omaña-Guzmán I (20%); Soloaga I (5%); Torres F (5%); Reyes M (10%); **Burrola-Mendez Y (15%)**; Morales-López A (5%). Funding source: Universiad Iberoamerica – Mexico.
- 2) Kamalakannan S, Rushton PW, Giesbrecht EM, Rusaw DF, Bouziane S, Nadeau M, McKee J, Gowran RJ, Lee RL, Pedersen JP, Tasiemski T, **Burrola-Mendez Y**, Tofani M, Goldberg M, Pearlman J. Wheelchair Service Provision Education for Healthcare Professional Students, Healthcare Personnel and Educators Across Low- to High-Resourced Settings: A Scoping Review Protocol. Disability and Rehabilitation: Assistive Technology. 2020:1-7 Percentage of contribution: Kamalakannan S (15%), Rushton PW (10%), Giesbrecht EM (10%), Rusaw DF (5%), Bouziane S (15%), Nadeau M (15%), McKee J (4%), Gowran RJ (5%), Lee RL (3%), Pedersen JP (3%), Tasiemski T(4%), **Burrola-Mendez Y(5%)**, Tofani M (2%), Goldberg M (2%), Pearlman J (2%). Funding source: USAID.
- 3) Goldberg M, Alharbid M, Kandavel K, Augustin N, **Burrola-Mendez Y**, Toro-Hernández M, Pearlman J. An Exploratory Analysis of Global Trends in Wheelchair Service Provision Knowledge Across Different Demographic Variables: 2017-2020. Disability and Rehabilitation Assistive Technology; 1-11. Percentage of contribution: Goldberg M (30%), Alharbid M (20%), Kandavel K (10%), Augustin N (10%), **Burrola-Mendez Y (20%)**, Toro-Hernández M (5%), Pearlman J (5%). Funding source: USAID.
- 4) Ouellet B, Rushton PW, Côté AA, Fortin-Haines L, Lafleur E, Paré I, Barwick M, Kirby RL, Robert MT, Routhier F, Burrola-Mendez Y, Best K. Evaluation of pediatric-specific knowledge transfer tools by primary users: A descriptive qualitative study. BMC Pediatrics. 2021. Percentage of contribution: Ouellet B (20%), Rushton PW (15%), Côté AA (5%), Fortin-Haines L (5%), Lafleur E (5%), Paré I (5%), Barwick M (5%), Kirby RL (5%), Robert MT (5%), Routhier F (5%), **Burrola-Mendez Y (10%)**, Best K (15%). Funding source: CIHR (CHILD-BRIGHT Network Program).

Articles Submitted to a Peer-Reviewed Journal (n=3)

Burrola-Mendez Y, Kamalakannan S, Rushton PW, Bouziane S, Giesbrecht EM, Kirby RL, Gowran RJ, Tasiemski T, Rusaw DF, Goldberg M, Tofanin M, Pedersen JP, Pearlman J. Wheelchair service provision education for healthcare professional students, healthcare personnel and educators across low- to high- resourced settings: A scoping review. Disability and Rehabilitation Assistive Technology; submitted September 2021. Percentage of contribution: **Burrola-Mendez Y (50%)**, Kamalakannan S (10%), Rushton PW (15%), Bouziane S(7%), Giesbrecht EM (2%), Kirby RL (2%), Gowran RJ (2%), Tasiemski T (2%), Rusaw DF (2%), Goldberg M (2%), Tofanin M (2%), Pedersen JP (2%), Pearlman J (2%). Funding source: USAID.

Book chapters and collective works (n=1)

- 1) Kirby RL, Rushton PW, Smith C, Routhier F, Archambault PS, Axelson PW, Best KL, Betz K, **Burrola-Mendez Y**, Contepomi S, Cowan RE, Giesbrecht E, Kenyon LK, Koontz A, Lettre J, MacKenzie D, Mortenson B, Parker K, Smith EM, Sonenblum SE, Tawashy A, Toro M, Worobey, LA. Wheelchair Skills Program Manual Version 5.2 (2021). Published electronically at Dalhousie University, Halifax, Nova Scotia, Canada.
www.wheelchairskillsprogram.ca/eng/manual.php

Other Documents: Dissertation (n=1)

- 1) **Burrola-Mendez Y**, Goldberg M, Pearlman J, Terhorst L, Kirby L. Development of International Assessment Tools for Evaluating the Competency of Wheelchair Service Providers: Establishment of psychometric evidence of a basic knowledge test and a self-assessment questionnaire of provision skills. Doctoral Dissertation, University of Pittsburgh. August 2020. *Percentage of contribution: Burrola-Mendez Y (85%), Goldberg M (7%), Pearlman J (1%), Terhorst L (2%), Kirby L (5%). Funding source: ISWP and Consejo Nacional de Ciencia y Tecnologia (CONACYT) – Mexico.*

CONFERENCES AND ORAL SCIENTIFIC PRESENTATIONS (N=10)**At the host university or research institute (n=1)**

- 1) **Burrola-Mendez Y**. Tres acciones que cambiarán la provisión de sillas de ruedas en entornos de bajos recursos (Three actions that can improve wheelchair service provision in less resourced settings). Universidad del Valle. Escuela de Salud Pública. Cali, Colombia. Agosto 2018.

National scale (n=2)

- 1) **Burrola-Mendez Y**. Prescripción de Sillas de Ruedas: Lineamientos de la Organización Mundial de la Salud (World Health Organization Guidelines: Guidelines on the provision of manual wheelchairs in less resourced settings). Mexican Physiotherapy Congress (AMEFI, for its acronym in Spanish), Toluca, Mexico. November 2017.
- 2) **Burrola-Mendez Y**. Análisis Biomecánico del Posicionamiento en Sillas de Ruedas (Biomechanical Analysis of Wheelchair Positioning) Mexican Physiotherapy Congress (AMEFI, for its acronym in Spanish), Toluca, Mexico. November 2017.

International scale (n=7)

- 1) **Burrola-Mendez Y**. Pautas para la provisión de sillas de ruedas manuales: Organización Mundial de la Salud (*World Health Organization: Guidelines for the provision of Manual Wheelchairs*). Primer Congreso Internacional por la Discapacidad. Mexico. December 2020.
- 2) **Burrola-Mendez Y**. Pautas internacionales para el suministro de sillas de ruedas manuales. Via online (*International guidelines on the provision of manual wheelchairs*). III Health Science Congress. Murcia, Spain. July 2020.

- 3) **Burrola-Mendez Y**, Ortega-Lenis D, Bonilla-Escobar F, Goldberg M. Feasibility of hybrid training in rural and peri-urban areas. International Seating Symposium, Pittsburgh, PA, USA. March 2019.
- 4) **Burrola-Mendez Y**. WHO Wheelchair Service Training of Trainers Package – Basic Level (Hybrid modality/workshop). Uniting Frontiers. International Society of Prosthetics and Orthotics (ISPO) – Latin America. Oaxaca, Mexico. June 2017.
- 5) **Burrola-Mendez Y**, Goldberg M, Kirby L, Smith C. The essence of the WHO Wheelchair Service Training Package. RESNA Conference, New Orleans, LA, USA. June 2017.
- 6) **Burrola-Mendez Y**, Goldberg M, Bonilla-Escobar F, Pearlman J. Evaluating the Effectiveness of Hybrid Wheelchair Training: A Pilot Study in India and Mexico. International Seating Symposium, Nashville, TN, USA. March 2017.
- 7) **Burrola-Mendez Y**, Goldberg M. Hybrid Methodology: A Pathway to Scale Wheelchair Service Delivery Training Worldwide. RESNA Conference, Arlington, VA, USA. July 2016.

POSTER PRESENTATION (N=5)

At the host university or research institute (n=2)

- 1) **Burrola-Mendez Y**, Goldberg M, Bonilla-Escobar F, Pearlman J. Evaluating the Effectiveness of Hybrid Wheelchair Training: A Pilot Study in India and Mexico. Health Disparities Poster Competition, University of Pittsburgh Health Sciences, USA. April 2017.
- 2) **Burrola-Mendez Y**, Goldberg M, Pearlman J. Development and Evaluation of a Hybrid Wheelchair Training Program for Wheelchair Providers in Less-Resourced settings: A Pilot Study in India, Mexico, and Colombia. Second Annual Med Ed, University of Pittsburgh School of Medicine, USA. September 2017.

Provincial or regional scale (n=1)

- 1) Rushton PW, Best KL, Ouellet B, Robert M, Routhier F, Kirby RL, Barwick M, Lafleur E, Côté A-A, Fortin-Haines L, Paré I, Dib T, Rice C, Nadeau C, Héroux D, **Burrola-Mendez Y**. WeeWheel: Enhancing Knowledge Translation of Pediatric Mobility through Tailored Resources. 2021 CHILD-BRIGHT Virtual Symposium: Let's Dream Together as We Look Forward with Project Updates, Posters and Questions. Montréal, Québec, May 26, 2021.

International scale (n=2)

- 1) **Burrola-Mendez Y**, Goldberg M, Pearlman J. Development and Evaluation of a Hybrid Course of Wheelchair Service Provision for Clinicians in International Contexts: A Training Intervention in Colombia, USA, India, and Mexico. Consortium of Universities for Global Health. Chicago, IL, USA. March 2019.

- 2) **Burrola-Mendez Y**, Goldberg M, Pearlman J. Development and Evaluation of a Hybrid Wheelchair Training Program for Wheelchair Providers in less-resourced settings: A Pilot Study in India, Mexico, and Colombia. Global Research, Education, and Innovation in Assistive Technology (GREAT) Summit. Geneva, Switzerland. August 2017.

**4. SCHOLARSHIPS, HONORS AND DISTINCTIONS
SUMMARY TABLE**

Scholarships/Grants	Number	Total amount
National scholarships (IRSC, CRSNG, CRSH)		
Provincial (FRQS, FRQNT, FRQSC)		
Institutional scholarships (Network, research center)	1	384,600
Organization / Foreign Country Scholarships	1	123,460
Other scholarships	2	69,000
Total	4	577,060 USD
Honours and Recognitions	Number	Total amount
Best oral presentation (talk)		
Best poster presentation		
Excellence Awards	1	-
International travel awards		
Dean's Honour List		
Other awards and recognitions		
Total	1	-