

Baylor
College of
Medicine

SCHOOL OF
HEALTH
PROFESSIONS
ORTHOTICS &
PROSTHETICS

— 2023 —
ANNUAL
REPORT



LETTER FROM PROGRAM DIRECTOR

Dear Community,

We are excited to offer you our first public program annual report. June of 2023 marked ten years of having students enrolled in the Orthotics and Prosthetics Program at Baylor College of Medicine. As such, we could not be more excited to share an update on our program achievements; to recognize our unparalleled alumni, faculty and staff; and, to share our vision for the future.

If you are receiving this report, it is because we value your support, your contribution and your commitment to the success of our program. We could not do what we do without our incredible community—a group of individuals who are committed not only to continuing to strengthen our profession, but also to ensuring our program remains one of the most well-respected in the nation. Together we have built a community who is here to see each other succeed.

We are excited for the accomplishments of 2023 and the opportunities that 2024 will bring. We will be hosting the International Society for Prosthetics and Orthotics Global Educators Meeting in October of 2024 and we will formally celebrate our tenth anniversary in conjunction with the event. As you know, we place a tremendous value on quality education, and we are thrilled to facilitate discussions on orthotics and prosthetics education alongside recognizing the contributions of all who have made this program what it is today.

The structure of this report takes you on a journey from the first year of education to continuing professional development for graduates and preceptors, focusing on our most recently completed academic year (July 2022 to June 2023). I am grateful to those who have contributed to this program—we could not do what we do without you. I thank you for being a part of our journey and look forward to seeing where we go!

Sincerely,



Ashley Mullen, PhD, MSAT, CPO
Program Director, Orthotics and Prosthetics Program
Associate Professor, School of Health Professions
and Department of Education, Innovation and Technology
Baylor College of Medicine

PROGRAM DIRECTOR



Ashley Mullen PhD, MSAT, CPO
Associate Professor
Program Director

ASSOCIATE PROGRAM DIRECTORS



Jeremy Bliss Sherman, MS, CPO
Assistant Professor
Associate Program Director
for Curriculum



Lisa Marie Abernethy, MSPO, CPO, LPO
Assistant Professor
Associate Program Director
for Clinical Education

PROGRAM FACULTY



Graci Grace Finco, PhD, CPO, MS
Instructor



Megan Elizabeth Glahn Castille, MSPO, CPO, LPO
Assistant Professor



Jared Howell, MS, CPO, LPO, FAAOP
Assistant Professor



Vinson Hu, MS, CPO
Instructor



Sally A. Kenworthy, MPO, CPO, LO
Assistant Professor



Amandi Jendayi Rhett, MS, CPO, LPO
Assistant Professor



Fanny Schultea, MS, MEd, CPO, LP, FAAOP
Assistant Professor

ADDITIONAL FACULTY



Jonnae Olivia Atkinson, MD
Assistant Professor



Beth Hackethorn Garland, PhD
Associate Professor



Christi Guerrini, JD, MPH
Assistant Professor



Ming Xiaoming Zhang, PhD
Professor

STAFF



Liz Vett Haecker
Senior Coordinator
Program Management



Juan Jose Guzman
Coordinator
Business Operations

FIRST-YEAR

Each year our students matriculate during the third week of June and begin their journey toward their master's degree. This first year involves full-time curriculum, clinical encounters and assessments which our faculty layer and build intentionally in a way that supports effective learning and long-term retention of knowledge and skills. The students meet, and in some cases surpass, the Commission on Accreditation of Allied Health Education Program's master's standards during this time. At the end of this year, students are fully prepared to enter their clinical residency.



HIGHLIGHTS OF ACCOMPLISHMENTS BY FIRST-YEAR STUDENTS



credit hours
of coursework



hours of patient
model encounters



fabrication
projects



students earned
their white coats

WHITE COAT CEREMONY

The students mark the passage of their comprehensive exam and their transition to the clinical residency with a White Coat Ceremony. Residents read the Oath of Practice and commit to the responsibilities associated with being a healthcare provider. The ceremony is marked by words of support and wisdom provided by faculty and class presidents.



**RIITE Values Award
Winner for Class
of 2023: Nathan
Shimabukuro**

STUDENT RECOGNITION

AMERICAN BOARD FOR CERTIFICATION 2023 ORTHOTIST AND PROSTHETIST SCHOLARSHIP WINNERS	Abigail Dykema Denise Hull Leah Karels	CLASS OF 2023
NATIONAL COMMISSION ON ORTHOTIC AND PROSTHETIC EDUCATION LARRY LANGE TRAVEL AWARD	Erin Casey	CLASS OF 2023
AMERICAN BOARD FOR CERTIFICATION 2022 ORTHOTIST AND PROSTHETIST SCHOLARSHIP WINNERS	Keyaira Crudup, MS, CO Matthew Ho, MS, CPO Emily Tully	CLASS OF 2022 CLASS OF 2022 CLASS OF 2023
AMERICAN ACADEMY OF ORTHOTISTS AND PROSTHETISTS RESIDENT RESEARCH AWARD WINNER	Charles Ronkos, MS, CPO	CLASS OF 2021

CLINICAL RESIDENCY

Residents complete an 18-month dual orthotics and prosthetics residency that is approved by the National Commission on Orthotics and Prosthetics Education. In our integrated model, residents complete five clinical rotations, typically at four or five clinical sites, where they log an average of 1,000 patient encounters. Our clinical preceptors volunteer their time to work with our residents and provide them with a well-rounded, diverse experience.

FOR CLASS OF 2022

Lucille M. Becker Clinical Achievement Award
Elizabeth Bebow, MS, CPO

Clinical Teaching Excellence Award
Bobby Latham, CP, BOCO and Alex Hedquist, CPO



Elizabeth Bebow (top) and Jordan Remont, Class of 2022, presenting awards to Bobby Latham (middle) and Alex Hedquist (bottom).

2022-2023 PRECEPTORS



Sonny Alcairo, CO Shriners	Corey Christopher Dennis, MSOP, CPO, LP Scott Sabolich Ottobock Care	Bobby Latham, CP, BOCO Bulow Prosthetics
Sarah Jean Amidon, CPO Limb Lab	Ronnie Dickson, CP, LP Prosthetic and Orthotic Associates of Tennessee	Leon Richard Lucero, CPO Hanger Clinic
Christian Blake Bailey, CPO Rise Prosthetics	Sarah Sumii Don, CPO Hanger Clinic Tucson	Robert (Sean) McGillis, CP Richmond VAMC
Jacqueline Bailey, CP EastPoint Prosthetics and Orthotics	Justin Hall, CPO Shriners Childrens, POPS St. Louis	Sean McGillis, CP Richmond VAMC
Radha Bakshi, CPO Sampsons Prosthetics and Orthotics Lab	Clinton Thomas Hastings, L/CPO Shriner's Children's (POPS)	Megan Krause Moore, CPO Hanger Clinic
Karl Barner, CPO Children's Healthcare of Atlanta	Alexander Hedquist, CPO Bulow OPS, Columbia, SC	Philippus A. Myburgh, CPO Denver VA, Jewell Clinic and Rocky Mountain Regional Hospital
Kyle Barrons, MSOP, CPO Minneapolis Veterans Affairs Medical Center	Jon Brent Holmes, PT, CP, LP Holmes Prosthetic Center	Cara Negri, CP, LP, FAAOP Gainesville Prosthetics
Chris Baughman, CP, BOCO EastPoint P&O	Michael Huhn, CO Mary Free Bed O&P	Richard M. Neider, CO, LO Hanger Webster, TX
Taffy E. Bowman, CPO, FAAOP Ability Ottobock.care	Matthew T. Husnik, CPO, LPO Hanger, University of Iowa Hospital	Erin A. Ruxton, CPO Rise P+O, Colorado Springs
Kenneth Breuer, CP, BOCO James J. Peters Bronx VA Medical Center	Jose E. Ignacio, CPO, LPO Center for Prosthetics Orthotics	Keith R. Sardo, MBA, LCPO Hanger Clinic
Luke J. Broadhurst BOCp, BOCO Pacific Medical O and P	Brittany Johnson Jones, LCPO Hanger Clinic, Cedar Park, Texas	Steven Slawinski, CO, LO, FAAOP Boston O&P
Gabrielle Brodehl, ABC, CPO, CFm Hanger Clinic	James Andrew Knackstedt, CPO Shriners Children's DBA Pediatric Orthotic and Prosthetic Services LLC	James "Stoney" W. Sherrill, III, CPO, LPO Hanger Clinic
Nick Paul Campbell, CPO Hanger Clinic Rock Hill, SC	Arthur J. Koblasz, CPO Hanger Clinic	Heidi A. Truman, CPO UCSF
Katelyn Suzanne Cummings, CPO, LPO, MSOP Hanger Clinic, Spring Hill	Ben Joseph Koch, CP MCOP	Michael John Wadekamper, CPO Shriners Hospital for Children POPS
Jordan Davis, CPO, LPO Baker Orthotics & Prosthetics	Steven Kramer, CP Carolina Orthotics and Prosthetics	Jerry Matthew Wilch, CPO Houston VA Medical Center
Jason Dean, CPO Limb Lab	Jacqueline Michele Lambert, CPO Hanger Clinic	Shawna Ziemer, CPO, LPO Cornerstone Prosthetics and Orthotics

COMMENCEMENT

Our students celebrate Commencement the first weekend of December each year. In 2022, 22 students walked across the stage. The week leading up to Commencement is filled with master’s research poster presentations, comprehensive practical exams and exit interviews. We value the feedback provided by the students and continue to seek it from graduates and employers as we strive to serve our profession.



CLASS OF 2023 STUDENT AWARDS

Research Poster Competition Winners

- 1st PLACE Keyaira Crudup, MS, CPO | Mentor: Amandi Rhett, MS, CPO
- 2nd PLACE Michelle Cole, MS, CPO | Mentor: Jeremy Sherman, MS, CPO
- 3rd PLACE Priscila Aguilar, MS, CPO | Mentor: Amandi Rhett, MS, CPO



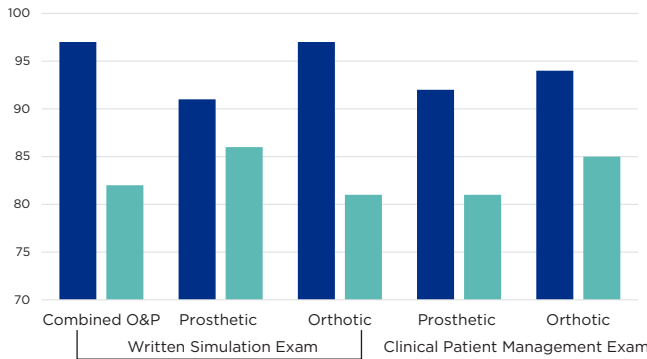
Jordan Remont, MS, CPO
Karrigan Smith, MS, CPO
Jocelyn Strom, MS, CPO



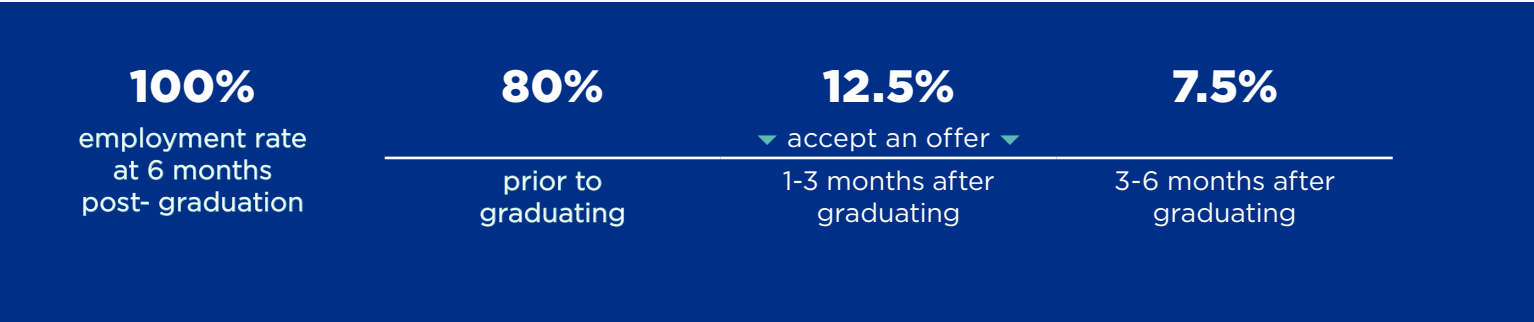
Michelle Cole, MS, CPO

ALUMNI & EMPLOYERS

Each year we survey our alumni and employers regarding their satisfaction with the program and the graduate, respectively. We also track our students’ performance on the American Board for Certification board examinations. We have continued to see positive feedback from employers and performance, which is above the national average on examinations. These results speak to the effectiveness of our program model, faculty, preceptors and students.



Board Exam passing rates for exam years 2020-2022, representing the most recently received reports from the American Board for Certification in Prosthetics, Orthotics and Pedorthics.



CONTINUING PROFESSIONAL DEVELOPMENT PROGRAM

After a successful pilot year, we completed our second year of the Continuing Professional Development Program. As a way to give back to our preceptors and alumni, this program offers up to 8 hours of free Continuing Education Credit each year and facilitates lifelong learning and community among our program constituents. This year’s theme was “Research to Practice” and covered up-to-date research in a variety of clinical practice and professional areas.

Attendees
154 evaluations completed
(average 20 attendees/session)

Sessions
Eight sessions covering musculoskeletal assessment, cranial remodeling, ankle foot orthoses, scoliosis, upper limb prosthetics, professional resilience and workplace dynamics



Ratings ★★★★★



LOOKING AHEAD TO 2024

- SHP Scholarships:** The School of Health Professions will be offering scholarships for the foreseeable future to current students and students matriculating in 2024. Starting in 2024, we are pleased to be able to offer two students each year a \$10,000 scholarship which will go towards tuition and fees for the program.
- Tabitha Parker Endowed Scholarship:** The Orthotics and Prosthetics Program is pleased to announce the generous donor funding of an endowed scholarship in honor of Tabitha Parker (Class of 2020). This scholarship will be awarded for the first time to a student matriculating into the Class of 2026.
- Carol Sammet Legacy Fund:** This fund was set up in memory of Carol Anne Sammet (Class of 2020). Since its establishment, the fund has helped more than 20 students in the School of Health Professions who have encountered financial crisis. In the past year we participated in a successful fundraising campaign to ensure this fund continues to provide support to those in need.

Global Educators Meeting

We are thrilled to be hosting the International Society for Prosthetics and Orthotics Global Educators Meeting (GEM) in 2024. This event is the only international conference for orthotics and prosthetics educators, and we couldn’t be more excited to facilitate connection, conversation and progression in orthotics and prosthetics education.



PROFESSIONAL ENGAGEMENT

As part of their commitment to service, our faculty (and, recently, one of our patient models!) represent the program on boards and committees for the American Academy of Orthotists and Prosthetists, the American Orthotic and Prosthetic Association, the American Board for Certification in Orthotics, Prosthetics, and Pedorthics, the Foundation for Orthotic and Prosthetic Education and Research, as well as the Texas Society for Orthotic and Prosthetic Professionals.

Our faculty are primarily appointed to serve the education mission at Baylor College of Medicine. In doing so, they consistently provide high-quality teaching and assessment of our students. In addition to their teaching excellence, they continue to grow professionally in research, leadership and professional engagement.

FACULTY SCHOLARSHIP

Previous and current program faculty names are bolded.

Presentations

- Brown L, Johnston T, **Kenworthy SA**, Awad LN. Swing into Action: Applying the CPG on AFO and FES Post-Stroke into Practice. American Physical Therapy Association Combined Sections Meeting. San Diego, CA. February 22nd, 2023.
- **Rhett A, et al.** The Collaborative on Inclusion Action and Engagement, “*Celebrating Our Diverse Profession*,” American Academy of Orthotist Prosthetist National Assembly. Nashville, TN, March 2, 2023.
- **Rhett A, et al.** Diversity and Inclusion Panel, “*Microaggressions in the O&P Setting*,” American Academy of Orthotist Prosthetist National Assembly. Atlanta, GA, March 3, 2022.
- **Abernethy A, et al.** Pedorthics Symposium, American Academy of Orthotist Prosthetist National Assembly. Nashville, TN, March 2023
- **Abernethy A, et al.** Organized Session: Craniofacial Calamity and Pedorthics Prioritized, American Academy of Orthotists and Prosthetists National Meeting, March 2023.
- **Mullen A.** Reviewing and revisiting physical exam procedures for pedorthic intervention. Foot and ankle biomechanics program. American Academy of Orthotists and Prosthetists Annual Meeting, March 3, 2023.
- Thach S, **Glahn Castille M**, Davis L, Jang SH, Nelson C, Utay J. Textbook Treatment vs Real Life Clinical Treatment in Spinal Orthotics. 29th Academy Annual Meeting and Scientific Symposium. Nashville, TN, March 2023.
- **Schultea F, Kenworthy SA**, Fatone S, Stevens P, Walker N. Tactical Advantages on the Evidence-Based Battlefield. Panel at the American Academy of Orthotists and Prosthetists Annual Meeting, March 2nd, 2023.
- **Mullen A**, Keyes SA, Conner M, Shargey B, Ismail N. Active Learning Panel. Moderated by Nancy Moreno, PhD. Department of Education, Innovation, and Technology. Baylor College of Medicine. March 8, 2023.
- **Sherman J, Abernethy L, Mullen A.** Intra- and inter-professional experience in O&P education—what does it look like now and where is it going in the future? International Society of Prosthetics and Orthotics World Congress. Guadalajara, Mexico, April 24, 2023.
- Cochrane H, Spaulding S, Brinkmann J, Rusaw D, **Mullen A.** Evidence-based practice in education in orthotic and prosthetic occupations. International Society of Prosthetics and Orthotics World Congress. Guadalajara, Mexico, April 27, 2023.
- **Glahn Castille M**, Zeck E. Assessing the Mental Health Landscape and Need for Counseling in the Scoliosis Community. Podium Presentation at the International Society of Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT) Meeting. Melbourne, Australia, May 2023.
- **Glahn Castille M**, Ortega S. Sources of Emotional Support for Scoliosis Patients. Podium Presentation at the International Society of Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT) Meeting. Melbourne, Australia, May 2023.
- **Glahn Castille M.**The Role of Mentorship in Brace Compliance. Pediatric Spine: Annual Childhood Scoliosis CME at Columbia. New York, NY, June 2023.
- Thach S, **Glahn Castille M**, Emling B. Spinal Society Challenging Case Webinar. American Academy of Orthotics and Prosthetics. June 2023.

Grants

- **Mullen A (PI)**, Wilson M, **Rhett A**, Valdez I, Fernandez F. Project REACH: Racial Equity Alliance for Community Health, 2022 Genentech Health Equity and Diversity in STEM Innovation Fund. Funding of \$750,000 (distributed across November 2022-2025)
- **Sherman J (PI), Abernethy L, Mullen A.** Stronger together: interprofessional curriculum for role awareness and teamwork between orthotist-prosthetist and physical therapy students. Seed funding of \$10,000 awarded by the School of Health Professions, January-June 2023.
- Keyes SA (PI), Pereira F, **Mullen A**, Gardner A. Financially responsible and equitable education (FREE). Department of Education, Innovation and Technology, Educational Research Hackathon. Funding of \$25,000 awarded July 2023.

Outreach

- **Kenworthy SA**, Wright E. Updates and Current Practices for Cerebral Palsy Management. Normal Gait and Orthotic Management of Gait Dysfunction Secondary to CP. Harris County Department of Education School-Based Therapy Services. October 2022.
- **Abernethy L, Mullen A, et al.** Girls exploring math and science (GEM). Houston Museum of Natural Science, November 5, 2022.
- **Mullen A, Glahn Castille M, Sherman J, Abernethy L, Rhett A.** Crisp S. Prosthetic design challenge curriculum. Stafford Middle School STEM Day, November 11th, 2022.
- **Kenworthy SA.** STEAM night at Ryan Middle School, January 12, 2023.
- **Sherman J.** University of Texas Health Fair. February 22, 2023.
- **Rhett A and Mullen A.** Orthotics and Prosthetics. University of Houston, Undergraduate Health Professions Seminar, March 2023.
- **Rhett A.** St. John Paul II Catholic School STREAM Career Fair, April 13th, 2023.
- **Mullen A.** Prosthetic design challenge curriculum. Alvin ISD WINGS Program, May 16, 2023.

Peer-Reviewed Publications

- **Mullen A, Kenworthy SA**, Ewing K, Forbus M, Hoelscher Thompson R. Immediate Impacts of Two Foot Orthotic Designs on Foot Posture Index, Gait, and Comfort in Adults with Asymptomatic, Flexible Pes Planus. *Journal of Prosthetics and Orthotics*: October 17, 2022 – Volume – Issue – 10.1097/JPO.0000000000000452doi:10.1097/JPO. 0000000000000452. https://journals.lww.com/jpojournal/abstract/2023/10000/immediate_impacts_of_two_foot_orthotic_designs_on.5.aspx
- **Mullen A, Abernethy L, Castille M, Finco M, Rhett A, Sherman J, Kenworthy S.** The integrated model and sustainability of entry-level orthotics and prosthetics education. Special request for the National Commission on Orthotics and Prosthetic Education’s Education Planning Committee. *Journal of Prosthetics and Orthotics*. 35(3S), July 2023. <https://journals.lww.com/jpojournal/toc/2023/07002>
- **Kenworthy SA**, Reno A, Roy T, **Glahn M.** Frequency of mutual goal setting contact with physical therapists is associated with orthotist perceived skill level. *Journal of Prosthetics and Orthotist*. March 15, 2023. DOI: 10.1097/JPO.0000000000000461
- Ronkos, C and **Mullen, A.** Part 1: Estimated Clinician-Patient Ratios in U.S. Orthotic and Prosthetic Care, State-Level Trends and Discrepancies. *Journal of Prosthetics and Orthotics*. Accepted and In press.
- Larrage Martinez M, **Kenworthy SA, Rhett A, Thompson S, Mullen A.** Tipping the scales of the admissions process: interview weighting in an orthotics and prosthetics education program. *Journal of Allied Health*. Accepted and In press.

Other Publications

- Irolla C, **Kenworthy SA, Mullen A**, Truman H. Residency by the Numbers: How Clinical Education Data Can Inform Your Business and Our Profession. *The O&P Edge*. September 30, 2022. <https://opedge.com/residency-by-the-numbers/>
- **Glahn Castille M.** T1 tilt: Goldilocks for IB x-ray assessment. *The Academy Today*. January 2023.

Promotions & Appointments

- **Glahn Castille M.** Assistant Professor in the School of Health Professions.
- **Mullen A.** Associate Professor in the School of Health Professions. Secondary appointment to the Department of Education, Innovation, and Technology.
- **Finco G.** Instructor in the Department of Surgery. Secondary appointment in the School of Health Professions.

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