MUSC Division of Physical Therapy Clemson Sports Medicine and Rehabilitation
Moore Center for Orthopedics
MUSC/CSMR/PALMETTO HEALTH ORTHOPEDICS Orthopaedic Physical Therapy Post-Professional Residency Brochure

We are pleased that you are interested in exploring residency training in the area of orthopedic physical therapy and the MUSC/CSMR/Palmetto Health Orthopedics clinical residency. This brochure describes the orthopedic physical therapy clinical residency developed through partnership between the Division of Physical Therapy at the Medical University of South Carolina, Clemson Sports Medicine and Rehabilitation, and Palmetto Health Orthopedics. The residency is an equal partnership between the three organizations and all three partners bring outstanding reputations and unique strengths to the program. This brochure is not a contract or offer, but provides an overview of physical therapy clinical residencies in general and the orthopedic physical therapy clinical residency. Currently the residency is a candidate for accreditation with the American Board of Physical Therapy Residencies and Fellowships. We welcome interested parties to contact us if any questions should arise.

Sincerely,

Jim Stoker, PT, MA, SCS
Senior VP
Clemson Sports Medicine and Rehabilitation
Chair, Board of Directors for Safe Play
jim.stoker@csmr.org
www.csmr.org

Karen Steele, PT
Clinic Director and Residency Coordinator
Palmetto Health Orthopedics
Columbia, SC 29072
Karen.steele@palmettohealth.org

David Morisette, PT, PhD, OCS, ATC, FAAOMPT Professor and Director, Division of Physical Therapy Medical University of South Carolina morrisdc@musc.edu
(843)-792-2940

MUSC/CSMR/PHO Orthopedic Residency Brochure
May 2016
About the residency and our organizations:

The residency: Values
The MUSC/CSMR/Palmetto Health Orthopaedic Physical Therapy Residency values:
- Evidence-based and evidenced informed practice in physical therapy
- Cultural competence and diversity
- Integrity, trust, respect, and social responsibility
- Patient centered health care
- Service to the community, profession, and to the community
- The generation and dissemination of knowledge and the development of skills
- Prevention of health care disparity
- Wellness and promotion of a healthy lifestyle along with prevention of injury and disease
- Lifelong learning

Residency Mission:
The mission of the MUSC/CMSR/Palmetto Health Orthopaedic Physical Therapy Residency is to develop clinical specialists who are reflective practitioners and who consistently use best evidence to promote excellence in patient care, to optimize functional outcomes, and to utilize financial and physical resources efficiently. The residency strives to promote lifelong learning among the residency graduates and faculty.

The goals of the residency program are to:
1. Provide a mechanism for physical therapists to receive specialty education and assistance in pursuing specialty certification.

2. Assure that residents receive training and experiences that are consistent and equitable across all residency sites.

3. Produce residents who use evidence based practice and value professional excellence and service.

4. Develop residents who provide and value service to the community and the profession.

The objectives of the residency program are to:
1. Enroll residents and provide resources, educational experiences, and mentoring to produce graduates who achieve board certification in orthopaedic physical therapy within 2 years of completing the residency. This objective is measured by the pass rate on the Physical Therapy Orthopaedic Specialists Examination. This objective addresses the first goal.

2. Provide equitable didactic and clinical educational experiences for each resident in the program, regardless of the clinical site. This will be assessed through resident interaction with each other and discussions during meetings, scores on examinations that are standardized across the residency sites, mentor meetings with the director, and questionnaires regarding residency outcomes. There are certain objectives that will be required for mentoring sessions, that when met will assist in establishing equity. An example is that all residents have to be able to determine the severity, irritability, stage, and stability of the disorders that they are examining for with a given individual. Content that is covered in the didactic curriculum and contained in the skills competency checks are standard across all clinical sites.

3. Each resident will be educated in the use of evidence based practice and will be required to present evidence for clinical reasoning and management strategies during assignments and mentoring sessions.
This objective is assessed through didactic and clinical curricular review and evaluation, discussion of content of mentoring sessions with residents and mentors, and content of papers and projects required during the residency.

4. The residency will support and encourage professional and community service. The residency faculty believe that the resident should emerge as a leader in the profession and the communities in which they function. Each resident will be required to perform a minimum of one professional/community service activity and report on that activity during the course of the residency. Residents will write a report regarding their service project, and post-graduation surveys will include questions concerning continued service activities and valuing service (affective domain). We view this as a first-step in a process of developing future leaders in the profession.

**The goals for each resident are as follows:**

**Goals:**
- Obtain specialist certification through the American Board of Physical Therapy Specialties
- To be able to function as a clinical specialist, demonstrating the use of evidence based practice and advanced clinical reasoning skills.
- Develop and maintain clinical excellence through life long learning.
- Provide service to the community and the profession.

**Objectives:**
- Within 2 years of graduating from the residency, the resident will pass the orthopaedic physical therapy specialty examination.
- Upon completion of the residency, the resident will demonstrate clinical reasoning at a level consistent with a board certified clinical specialist, will assist patients and clients by using the best evidence available in decision making and will consistently seek new knowledge and skills that are scientifically supported.
- Upon completion of the residency, have a written 5-year career plan that includes mechanisms for continued learning and improvement and reflection on changes in professional and clinical expertise since beginning the residency.
- During the residency, the resident will demonstrate and document involvement with service activities at the community and professional levels.

**About the partners:**

**The Medical University of South Carolina**

Located in Charleston, South Carolina, the Medical University of South Carolina (MUSC) started as a private medical college in 1824, and has grown to become a state university with six colleges responsible for training a number of health professionals, biomedical scientists, and administrators.
The College of Health Professions
The College of Health Professions serves as the home for the Division of Physical Therapy, as well as educational programs for cardiovascular perfusion, health care leadership and administration, nurse anesthetists, occupational therapists, and physician assistants. The College is home to a PhD program in Health Sciences and Research, and is home to the Center for Rehabilitation Research in Neurological Conditions, and the Longevity after Injury Project involving spinal cord injury outcomes.

The Division of Physical Therapy
The Division has been involved with the preparation for entry-level physical therapists since 1974, and is currently ranked 28th out of over 200 programs in the U.S. by the U.S. News and World Report. The Division currently offers the Doctor of Physical Therapy (DPT) degree, accepting 64 students a year into program, as well as neurological and orthopedic physical therapy clinical residencies.

There is a breadth and depth of content expertise, clinical skills, and research acumen across the faculty. A number of faculty have joint appointments to the College of Graduate Studies and/or the Department of Health Sciences and Research, and have ongoing research agendas with extramural funding.

In addition, a portion of faculty maintain clinical practice and are recognized as expert clinicians. Among the faculty, 6 are board certified clinical specialists (1 cardiovascular and pulmonary, 2 neurological, 1 pediatric, and 2 orthopaedic) and 2 are fellows in the American Academy of Orthopaedic Manual Therapists. All faculty have a doctoral degree, 2 have received the highest teaching award given by the American Physical Therapy Association (APTA), one received the outstanding educator award from the Neurological Section of the APTA, one faculty member was the national teacher of the year for the Association of Schools for Allied Health Professions, one received the Eugene Michaels New Investigator Award from the APTA, and 4 faculty have received university teaching excellence awards.

Clemson Sports Medicine and Rehabilitation
Starting as a private physical therapy practice in 1994, CSMR has grown to over 30 clinical sites in South Carolina, Georgia, and North Carolina. As CSMR grew, they opened locations under the names Sports Plus; Work Safety Solutions; and Balance, Mobility and Dizziness Centers; among others to best fit the purpose and location of the clinic. CSMR is committed to the best patient experience possible and strives to achieve optimal outcomes efficiently in an exciting, positive environment. Multiple physical therapists within CSMR have specialist certifications (OCS, CHT, SCS, McKenzie, and Manual Therapy). The Orthopaedic Residency is another extension of our commitment to continuing education and practice excellence.
Founded in 1928 as the Moore Center for Orthopedics, it was the site of the world’s first recorded artificial hip replacement surgery. The Moore center later became a partner with Providence Hospital in Columbia, SC, being a leader in orthopaedic surgery, research, and rehabilitation of orthopedic injuries and diseases. In 2015, the Moore Center became a partner with Palmetto Health, a nonprofit health care organization, and changed names to Palmetto Health Orthopedics. Palmetto Health Orthopedics offers specialized clinics for pediatric patients/clients with neuromusculoskeletal problems, spine disorders, hand injuries, sports injuries, occupational rehabilitation, and joint replacement. Many of the physical therapists working with the residency at Palmetto Health have specialty certification (OCS, CHT, and manual therapy). While the physical therapists are employed by the nonprofit Palmetto Health, they work closely with the orthopedic surgeons and physicians at Palmetto Health Orthopedics.

About Residency Training
A residency provides didactic education and mentoring for a licensed physical therapist to specialize in a particular area. It is post-professional training that follows the initial degree and obtaining a licensure to practice. Currently there are credentialed physical therapy residencies covering the specialty areas of:
- Cardiovascular and Pulmonary
- Clinical Electrophysiology
- Geriatrics
- Neurology
- Orthopaedics
- Pediatrics
- Sports Physical Therapy
- Wound Care Management

More information about residencies and fellowships in physical therapy, and the credentialing process can be found at the following URL: [http://www.abptrfe.org/home.aspx](http://www.abptrfe.org/home.aspx)

Residency training is a method to provide content and practice in an area of specialization in physical therapy that has a clinical focus, and emphasizes clinical reasoning and the best outcomes possible for the patient. One advantage to residency training is that the resident works with a clinical mentor, who observes, teaches, advises, and evaluates the resident and offers the resident the opportunity to transfer knowledge from readings and didactic coursework into the clinical setting. This differs greatly from the typical continuing education model, in that the resident is mentored and receives consistent feedback on performance and outcomes. At completion of the residency, the resident is prepared to sit for the board examination in their specialty area. For more information about specialty board examinations for physical therapists, visit the following URL: [http://www.abpts.org/home.aspx](http://www.abpts.org/home.aspx)
The MUSC/CSMR/PALMETTO HEALTH ORTHOPEDICS Orthopedic Clinical Residency

The MUSC/CSMR/Palmetto Health Orthopedic Clinical Residency began in January 2016, and has been granted candidacy with the American Board of Physical Therapy Residency and Fellowship Education (ABPTRFE). The residency will then be evaluated for accreditation during 2016.

The American Board for Physical Therapy Residency and Fellowship Education (ABPTRFE) requires 75 hours of didactic instruction and 150 hours of mentored clinical practice for accreditation. The curriculum in the MUSC/CSMR/Palmetto Health clinical residency will include over 200 hours of didactic course work and a minimum of 160 hours of clinical mentoring. Educational content is delivered through multiple methods including distance education formats (including online learning modules and video teleconferencing) and through 6 weekend on-site courses and laboratory experiences at MUSC.

The Division of Physical Therapy at MUSC assists the clinical partners/mentors in administering clinical practicum examinations (consisting of examination and treatment sessions with actual patients), grading the clinical practicums, and providing feedback to the resident.

The typical resident mentoring experience will be 4 hours weekly, with a board certified clinical mentor working with and observing the resident examining, evaluating examination results, and performing physical therapy interventions with patients/clients at the clinical facility. The emphasis with the mentoring sessions is clinical reasoning and skill development. The resident is responsible for keeping records of patient examination and treatment sessions, as well as the mentoring sessions for credentialing purposes. There will be specific objectives for each mentoring session. In addition, the mentors, clinic staff, and residency faculty offer learning sessions outside of working hours, assisting the resident with learning skills related to the specialty practice.

The didactic faculty for the residency includes physical therapists, occupational therapists (Certified Hand Therapists), orthopedic surgeons, an orthopedic physician assistant, radiologists, dentists, and other educators.

**Faculty and Affiliation**
David Morissette, PT, PhD, OCS, ATC, FAAOMPT (MUSC, Residency Director)
Karen Steele, PT, OCS, (Palmetto Health, Clinic Site Director)
Jim Stoker, PT, MA, SCS, CSCS (CSMR Vice President)
Stephanie McGowan, PT, DSc.PT, OCS (MUSC)
Jay Patel, PhD, CSCS, CES (Palmetto Health Orthopedics)
Brian Wiley, PT, OCS, SCS, CSCS (Palmetto Health)
Turner A. (Tab) Blackburn Jr., PT, SCS, ATC (CSMR)
David Sword, PT, DPT, CCS, PSSM, CES, CSCS (MUSC)
Mark Bowden, PT, PhD (MUSC)
K Jackson Thomas, PT, EdD (MUSC)
Deepak Kumar, PT, PhD, OCS (MUSC, 2016)

**Mentors and Affiliation**
Kris Phillips, PT, DPT, OCS (Palmetto Health)
Megan Graham, PT, DPT, OCS (CSMR/Sports Plus)

**Physician/Dentist/PA Instructors and Affiliation**
Bret Smith, DO, MS (Palmetto Health, Orthopedic Surgery)
Gregory Mangione, MPAS, PA---C (Palmetto Health, Orthopedic Surgery)
Michael Peele, MD (Palmetto Health, Orthopedic Surgery)
Mickey Plymale, MD (Palmetto Health, Orthopedic Surgery)
Physician/Dentist/PA Instructors and Affiliation continued
William Conway, MD (MUSC Department of Radiology)
Russell Chapin, MD (MUSC Department of Radiology)
Shivani Patel, DMD (Private Practice)
Theresa Gonzales, DMD, MS, MSS (MUSC, College of Dental Medicine)

Other Presenters and Affiliation
William Boissonault, PT, DPT, DHS, FAAOMPT (University of Wisconsin)
Rebecca English, OTR/L PT, DPT (Vestibular and Balance Rehab/CSMR)
Mike Timko, PT, MS, FAAOMPT (University of Pittsburgh)
Gretchen Seif, PT, DPT, OCS, FAAOMPT (MUSC)
Stacey Harward, PT, MSR, ATC, Cert MDT (CSMR)
Antonia McNeal, MSOT, OTR/L, CHT (PALMETTO HEALTH ORTHOPEDICS)
Nelson Vazquez, OTR/L, CHT (CSMR)
Dustin Annan---Coultas, EdD (MUSC Educational Technology)
Sara Kraft, PT, DPT, NCS, ATP (MUSC)
Pam Olenchuk, PT, CSCS (PALMETTO HEALTH ORTHOPEDICS) Amy White, PT, DPT, OCS (CSMR)

Residency Didactic Curriculum
The curriculum consists of 5 modules that cover all aspects of the Description of Specialty Practice for Orthopedics, and requirements for accreditation. The modules are:

- Basic Science and Foundations (Foundations)
- Upper Quarter
- Lower Quarter
- Spine/Pelvic Girdle/Craniofacial Region
- Projects

Courses in the residency are delivered through webinars and discussions, on site lecture and laboratory courses at MUSC in Charleston, SC, self-study modules and readings, recorded content, and projects. The total course work will be approximately 200 clock hours, with the resident coming to Charleston for 6 weekend intensive sessions.

Residents should recognize that the philosophy of the residency includes the beliefs that:

- Residents should consistently use self-reflection to determine personal strengths and weaknesses
- Residents and faculty should be self-motivated and self-guided in pursuing excellence as a lifelong goal
- Residents should assume responsibility for learning and application of learning
- Active learning is more effective than passive learning
- The residency model is designed for the resident, mentors, and faculty to learn together and to learn from each other
- The patient or client is first and foremost in all actions performed and decisions

Becoming a resident:
Individuals wishing to apply to the residency must be licensed physical therapist, graduating from a CAPTE accredited physical therapy program, or an overseas program and have obtained a license to practice in South Carolina. For U.S. educated physical therapists, the applicant must be licensed in one of the jurisdictions belonging to the Federation of States Boards of Physical Therapy at the time of application, and must be licensed in the state of South Carolina if accepted, before starting the residency.

MUSC/CSMR/PHO Orthopedic Residency Brochure
May 2016
Application for the residency is made through RF-PTCAS. [http://www.abptrfe.org/RFPTCAS/](http://www.abptrfe.org/RFPTCAS/). The application must be submitted by September 1 of the year of application.

Qualified applicants will be contacted for an interview, and the applicant will be informed concerning admissions status during the month of October prior to the January date the residency starts. The applicant must apply for a position with the clinical partner with which they wish to work during the residency. Before being accepted to the residency, the applicant must secure a clinical position at the residency clinical site.

The resident must have a full-time clinical position (32 hours a week minimum) with the clinic for which they applied (Clemson Sports Medicine and Rehabilitation or Palmetto Health Orthopedics). Applicants should contact the clinic for which they wish to work to obtain employment information. The actual clinical site in which the resident practices will be determined by the employer, and may be at any of the facilities operated by the clinical partner. This should be discussed before accepting employment and a position in the residency.

Clinical employment:
Those considering applying to the residency should apply for a clinical position at one of the two clinical partners at the same time they apply to the residency. Only those individuals who are eligible for employment or who are employed will be considered for admission to the residency.

To apply to CSMR, contact:
Jim Stoker, PT, MA, SCS, CSCS
Senior VP
Clemson Sports Medicine and Rehabilitation
Chair, Board of Directors for Safe Play
[jim.stoker@csmr.org](mailto:jim.stoker@csmr.org)
[www.csmr.org](http://www.csmr.org)

To apply to Palmetto Health, contact:
Karen Steele, PT, OCS
Clinic Director and Residency Coordinator
Palmetto Health Orthopedics
Columbia, SC 29072
[Karen.steele@palmettohealth.org](mailto:Karen.steele@palmettohealth.org)

Residents accepted through Palmetto Health will be working in Columbia, SC. Residents accepted through CSMR will be assigned to one of the clinics throughout the state of South Carolina. The actual site of employment will be determined by CSMR, and may not be in the Charleston, SC area.

Residents must be an employee of either Palmetto Health or CSMR.

The application to the residency will be evaluated by an admissions committee consisting of faculty of the residency. Applicants will be informed of their status in October. The residency starts in early January of each calendar year, and finishes in December of the same calendar year.

Mentoring occurs at the clinic of employment, either CSMR or the Palmetto Health Orthopedic facilities. Acceptance to the residency is predicated on the resident accepting a full-time staff position at one of the clinics. Enrollment in the residency does not guarantee that the resident will keep the clinical position once the residency has been completed. All residents must work a minimum of 1500 clinical hours while in the residency.
Should you have any questions concerning the MUSC/CSMR/Palmetto Health Orthopedic Physical Therapy Clinical Residency, or questions about residency education in general, contact David Morrisette, PT, PhD, OCS, ATC, FAAOMPT, Director of the Division of Physical Therapy, Medical University of South Carolina. morrisdc@musc.edu.

Following accreditation, upon successful completion of the residency, the resident will be qualified to sit for the specialty board examination in Orthopaedic Physical Therapy. For more information about specialty board examinations for physical therapists, visit the following URL: http://www.abpts.org/home.aspx