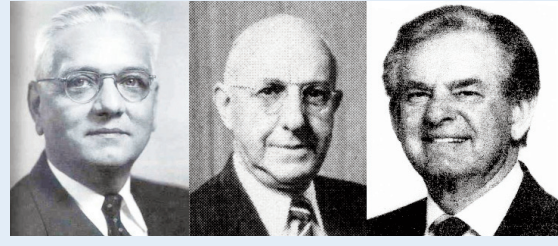




Giving Back: Psychiatry, Program & Patients

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Frank H. Krusen (Jefferson 1921) founder of Physical Medicine, William H. Schmidt (Jefferson faculty 1917-1959) and John W. Goldschmidt (Jefferson 1954), Director of the Division Rehabilitation Medicine, Department of Medicine 1959-1967.

Krusen and Schmidt were charter members of the American Board and the American Academy of PMR and both served as Presidents of the

AAPMR. Both Schmidt and Goldschmidt were Presidents of the American Congress of Rehabilitation Medicine and received numerous awards from the Congress. This legacy of giving back to our specialty dates back to the very beginning of PM&R.

Dr. Ditunno served as the first Chair of the Department (1969-1996) and as Director of the Regional SCI Center (1979-2006). He served on national and international organizations in spinal cord injury and contributed to the development of outcome measure for use in clinical trials with over 150 articles published many in conjunction with Dr. Herbison.



John Ditunno, MD, Ralph Marino, MD

Dr. Marino (Jefferson Graduate 1987) is the current Director of the Regional SCI Center, and has also developed outcome measures related to upper extremity function for use in clinical trials. With his background as an NIH career scientist trainee, he also directs the research programs in SCI. He recently has been appointed director of the residency program and will be assisted by Dr. Formal.



Dr. Gerald Herbison (JMCF 1970) is the most passionate teacher of our program, who gives all he has and knows to the residents and is recipient of many teaching awards both locally and nationally. He received the first "Gerald J. Herbison Award for Mentorship" from graduating residents, honored with the Zetter Lecture and other awards from the AAPMR. In 2009, he received the

Lifetime Achievement Award, the highest award given by the American Association of Neuromuscular and Electrodiagnostic Medicine (AANEM). Both intimidated and respected for his teaching of anatomy and electromyography, he guarantees that no one will be better prepared than his students. He directed the research programs of the department for over 20 years and has authored over 100 papers. Dr. Herbison also assisted in the research programs of the SCI center.

Dr. Stanley Jacobs shares with Dr. Herbison his dedication to both medical student and resident education. With his meticulous preparation of kinesiology teaching aids and his encyclopedic knowledge of anatomy and innervations of muscles, he is an incredible resource to both faculty and residents. His kindness and thoroughness as a physician is appreciated by all of his patients. Since her graduation in 2007 Dr. Nethra Ankam (JRR 2007) has been a tremendous asset to the expansion of undergraduate education at JMC to all 4 years and follows in the tradition of Drs. Herbison and Jacobs.

Dr. Frank Naso, who was the second Rehabilitation Medicine resident 1971-1973, subsequently joined the faculty and rose to Professor and Director of Patient Care for many years. He was very highly respected by his colleagues and residents for his clinical acumen and bedside teaching skills. He initiated many programs including the Cardiac Rehab Program and the subacute hospital program, which were the first in the Philadelphia area. He also "tended the store", while other members of the department contributed to the national growth of the specialty such as Drs. Ditunno and Herbison. He continued to serve part time until 2010.



Frank Naso, MD, Kelley Crozier, MD

Dr. Kelley Crozier (JR 1989) succeeded Dr. Naso as Vice-Chair for Clinical Services from 1998-2002. She was the first woman Vice-Chair at Jefferson Medical College. Under Drs. Naso and Melvin's tutelage she demonstrated her leadership skills and assumed responsibilities as Director of Ambulatory Care and Medical Director of the Ford Road Transitional Rehabilitation Unit. Dr. Crozier brought her skills to the community of Reading, PA in 2002, where she is currently Medical Director of the Reading Health Rehabilitation Hospital. This facility is a 62 bed rehabilitation center and a 50 bed transitional care center.



William Staas, MD, Christopher Formal, MD, Guy Fried, MD, Barbara Brown, MD

Dr. William Staas (JMC 1962), President and Medical Director of Magee Rehabilitation Hospital (1976-2008) and Professor of Rehabilitation Medicine, served as director of medical education and residency training for the department from his appointment in 1989. Dr. Staas served as co-director of the Regional SCI center with Dr. Ditunno. Chris Formal (JRR 1982), former Residency Program director (2003-2012), and recipient of Attending of the Year Award for multiple times is regarded by the residents with affection as "like their own father".

Dr. Staas, together with Dr. Formal devoted countless hours to the daily, weekly and yearly planning of the residency program for over 40 years to which we as faculty regard collectively as our proudest achievement.

Guy Fried (JRR 89), Chief Medical Officer and Medical Director of Spinal Cord Injury Unit, joined Magee and the JMC faculty in 1989 and succeeded Dr. Staas. He has twice received the Jefferson Rehab Residency Attending Award. Barbara Browne who trained both in Internal Medicine and PM&R, is Magee Medical Director of Stroke and Geriatric Program. Her rotation is always one of the best educational experiences for inpatient rehab that residents acknowledge. Together with Chris Formal these two physicians devoted countless hours to the daily, weekly and yearly planning of the residency program for over 40 years to which we as faculty regard collectively as our proudest achievement.

"Giving Back" is a Jefferson tradition beginning with Dr. William Schmidt (JMCF1917-1959), who together with Dr. Frank Krusen (JMC 1921) served as Presidents of the American Academy of Physical Medicine and Rehabilitation (AAPM&R) in 1943 and 1941 respectively. Other Jefferson graduates and faculty have also served as President of the Academy including Drs. Bender (1973), Ditunno (1981), Reinstein (1993), Melvin (1998) and recent presidents in 2009-2013, Betsy Sandel (JRR 1984), Mike Lupinacci (Jefferson Resident teaching faculty) and Alberto Esquenazi (JMCF 2000). Both Krusen and Schmidt were founding members of the American Board of PM&R in 1947. Over the years many graduates/faculty have served on the ABPMR; Drs. Krusen, Schmidt, Ditunno, Staas (JMC 1962), Melvin and most recently Gary Clark (JMC 1975; JRR 1978), Carolyn Kinney (JRR 1984), Karen Kowalske (JRR 1990), James McDeavitt (JRR 1991) and Barry Smith (JMC 1969). Drs. Krusen, Ditunno, Melvin and currently Kowalski serve (d) as Chair of the ABPM&R.

While those individuals, who are elected to serve national organizations such as the AAPMR, ABPMR, the Association of Academic Psychiatrists (AAP) and various subspecialty societies are most easily identified, those who "tend the store" often give countless hours over and above the job description and deserve recognition, such as Dr. Frank Naso (JRR 1972; JMCF 1973-). Likewise, each faculty member (inclusive of residents) gives back each day to the formation of future generations of rehabilitation specialists as role models. The leadership a resident demonstrates in the role of chief resident often prepares one for a career of "giving back." In addition, the heads of affiliate programs provide exceptional training experiences and with their staff serve as role models of combined teaching and private practice. Past and present leaders have been included in the photo captions based on recommendations of residents and faculty. All former residents/faculty members will be invited to provide photo captions to be posted on our website along with this presentation.

Drs. Gerald Herbison (JMCF 1970) & Dr. Stanley Jacobs (JMC 1972; JRR 1976; JMCF 1976-) at Jefferson and William Staas (JMCF 1967-), Chris Formal (JRR 1982), Mike Saulino (JRR 1997; JMCF 1997-) at Magee Rehabilitation Hospital have for many years provided leadership to medical student/resident education. Affiliated programs in the past at Lankenau Hospital and Crozier Chester under the leadership of Drs. Jay Seigfried (JRR 1991; JMCF 1991-) and Bob Condon (JMCF 1977-2002) provided superb experiences in consultation/private practice. Dr. Michael Alexander (JMCF 1982-) at A.I. duPont Children's Hospital, who enjoys a national reputation, has provided excellent training for residents/fellows in pediatric rehabilitation for over 20 years. Bryn Mawr Rehabilitation Hospital under Dr. Long (Jefferson Resident teaching faculty) has provided a Brain Injury experience since the 1980s. Under the leadership of Dr. Melvin as chair, residents began rotation at Moss Rehabilitation hospital with exposure to national experts such as Drs. John Whyte (JMCF 2000), Alberto Esquenazi (JMCF 2000) and C. R. Sridhar (JMCF 2000). Many former residents continue to give back to the teaching programs and to the community and some will be recognized in the photo captions.



John Melvin, MD, MMSc

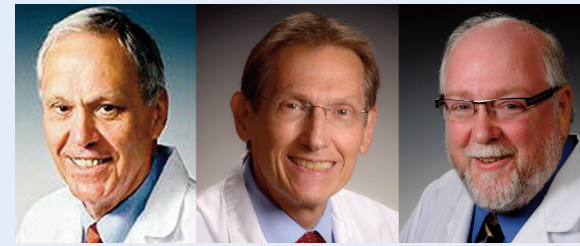
Dr. Melvin was appointed Michie Professor and Chair, Department of Rehabilitation Medicine in 1998. He has developed and recruited key faculty members, doubling the size of the faculty during his tenure. Important recruits include Dr. Ralph Marino, who heads the SCI Center and others such as Drs. Anthony Burns and Yejia Zhang, who have chosen important leadership roles at other academic centers. Faculty development and leadership have resulted in the expansion of medical student teaching to all 4 years. The residency program now includes Moss Rehabilitation Hospital and the Rothman Institute, expanding learning experiences in amputee, EMG, Musculoskeletal Medicine and interventional spine procedures. There are collaborative clinical programs with the Departments of Anesthesia and Family Medicine, and the Division of Internal Medicine. The department provides clinical services to skilled nursing facilities (SNFS) and long term, acute care hospitals (LTACHs).

Few members of our specialty have a record of giving back comparable to Dr. Melvin. He has served as president of virtually all of our societies, Academy, Congress, ABPMR, and AAP plus the International Society of Physical and Rehabilitation Medicine. In addition, he served as President of the Council of Medical Societies (CMS) and as a member of the Executive Committee of the American Board of Medical Specialties, giving our field credibility among organized medicine. He is best known for his contributions to the criteria defining inpatient medical rehabilitation. His leadership style is thoughtful, conceptually sound and carefully reasoned, which is why his judgment is so highly regarded.

Dr. Alexander, Emeritus Staff, and former chief of Rehabilitation at the Alfred I. duPont Hospital for Children, Wilmington, Delaware since 1986 and Professor of Rehabilitation Medicine and Pediatrics at Thomas Jefferson for the past 24 years, he has enjoyed a national reputation as a leader in pediatric rehabilitation. He has trained 29 pediatric physiatrists as fellows or in the combined PED-PMR program. He is a past president of the American Academy Cerebral Palsy and Developmental Medicine (AACPD). He has always been a strong advocate of family involvement in the rehabilitation team and a proponent and researcher on the use of technology in the habilitation of children. Dr. Maura McManus is the new head of Pediatric Rehabilitation as Nemours A.I. duPont Hospital.

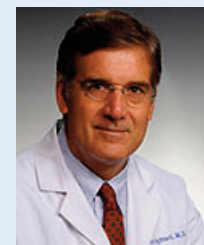


Michael Alexander, MD, Maura McManus, MD



Lester Dewis, MD, John Kraus, MD, David Long, MD

Dr. Lester Dewis (JMCF 1982) was named Medical Director at Bryn Mawr Rehabilitation Center (BMRC) in 1982 and residents from Jefferson began their rotations the following year and continue to present. Dr. John Kraus succeeded Dr. Dewis as Medical Director and continues to support the affiliation. The residents give high commendation to Dr. David Long (Resident Teaching Faculty 1983-) for his teaching in TBI and other staff members at BMRC.



Jay Siegfried, MD

Dr. Jay Siegfried trained in Rehabilitation Medicine at Jefferson, served as chief resident (1980-81) and for many years (1983-2003) taught residents and medical students at Lankenau Hospital. He was appointed Director of Rehabilitation Medicine at Lankenau Hospital in 1981 and retains that title today (2012) and has been joined by Larry Bernstein, Carol DeBakker and Angela D'Orsi all former Jefferson residents. In addition to the rich clinical experience of Cardiac/Pulmonary rehab, Electro-diagnosis, inpatient consultation and outpatient musculoskeletal cases, residents experienced a sound environment of private clinical practice.

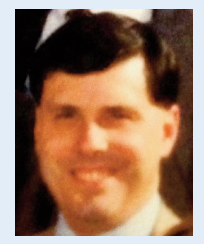
In Jay's words "every physician is a conglomerate of all the physicians who have trained him...for the resident to work side by side with incredibly skilled physicians (who) helped mold rehabilitation into what it is today...(plus) intangibles of undying motivation to help others, integrity and respect for patients and colleagues...(these) foundation and benefits that I gained (as) a practicing physician (makes it) crystal clear why we want to give back to the program."

Dr. Freedman (JRR 1986) was chief of the Pain Service at Magee Rehabilitation Hospital for 10 years (1986-1996) following his residency. In order to develop expertise in the management of acute pain problems he completed a 6 month fellowship at the Florida Spine Institute (1990-1997) and the following year was recruited to join the Rothman Institute (RI). With his new skill set of "noninvasive treatment of spinal malades and in particular fluoroscopic spinal injections", his practice flourished and his group now consists of 15 physiatrists deployed in more than 10 hospitals with a special interest in pain medicine. Since 2005 a full time Jefferson PM&R resident has been assigned to his service and he and members of his group have participated in the annual EMG course at the invitation of Dr. Herbison. Over the years he has sought to "give back" to the program by making his rotation a "program where we could have all options for treatment at our disposal... at RI and I have enjoyed teaching the residents a well rounded approach to musculoskeletal medicine". Dr. Freedman has his boards in Pain Medicine and together with Jeremy Simon has assisted the residents in the preparation of papers and posters at national meetings.



Mitchell Freedman, DO, Jeremy Simon, MD

Jeremy Simon (JRR-2005) joined Dr. Freedman shortly after completing his residency and is viewed by the residents as an important addition to the training program. Besides helping them acquire the skills of a Pain Medicine practitioner, he mentors them in grand rounds, writing papers/book chapters and assisting them in applying for fellowships. Together with Dr. Freedman they set up a training site for electrodiagnosis at RI. Both are committed to illustrating the collegial strengths/advantages of working together with orthopedic surgeons.



Robert Condon, MD

Dr. Robert H. Condon, head of Crozer-Chester's Department of Rehabilitation Medicine 1979-2002. For over 20 years he provided a private practice model of inpatient/outpatient experiences for the residents. This included a unique exposure to the Burn center, assessment of amputees and consultation to a variety of diagnoses. His training at the University of Michigan by leaders of our field in burns and amputee management made him a highly creditable mentor. Like Jay Siegfried at Lankenau, he spent many informal hours with the residents offering advice on the practical aspects of clinical practice. His loss to us at age 57 because of cancer will not erase his memory and contributions

Several programs require special mention because of their contributions to the specialty, program and patients. The Regional Spinal Cord Injury Center at Jefferson and Magee has been a federal funded center for the past 35 years, initially under the leadership of Dr. Ditunno (1978-2006) and currently Dr. Ralph Marino (JMC 1982; JRR 1987; JMCF 1987-1998; 2002-) for the past 7 years. In 2006 in addition to Dr. Marino, Drs. Marcalee Sipski Alexander (JMC 1983; JRR 1986) at Univ. of Miami, Dr. Tom Bryce (JRR 1997) Mount Sinai School of Medicine, Dr. Steve Burns (JRR 1996) Univ. of Washington, Seattle, and Dr. Greg Neumanitis (JRR 1989) at Case Western Reserve were named directors/co-directors of federally funded model SCI centers.

In recent years with the increased growth and interest in musculoskeletal medicine under the leadership of Dr. Mitchell Freedman (JRR 1986) and Jeremy Simon (JRR 2005) at the Rothman Institute, 15 physiatrists practice jointly with orthopedic surgeons and provide a resident and fellowship experience in electrodiagnosis and pain medicine.

While leadership at Jefferson dates to the beginning of the specialty, the role of John Goldschmidt (JMC 1954) as head of the Section of PM&R (1959-1964) and founder of the School of Allied Health Professions deserves special attention, which paved the way for the creation of the Department of Rehabilitation Medicine in 1969. Dr. Ditunno's contribution as first chair (1969-1997) and founder of the SCI Center followed by Dr. John Melvin's excellent leadership (current chair 1998 - present) in expanding the residency in depth and breadth has enabled Jefferson to enjoy recognition locally and nationally as one of the leading programs in PM&R. Former residents and faculty members have contributed to this tradition of leadership by being named as chairs of academic departments such as Drs. Karen Kowalske, University of Texas, Southwest, Marcalee Sipski Alexander at University of Miami, Dr. Gary Clark, Case Western Reserve, James McDeavitt at Baylor College of Medicine, Houston, and Ross Zafonte (JMCF 1989-1991) at University of Pittsburgh and currently at Harvard Medical School. Many other former residents chair clinical departments throughout the country, which are often teaching hospitals affiliated with medical schools.

Key: Jefferson Medical College = JMC; Jefferson Rehab Resident = JRR; JMC Faculty = JMCF



Our residents past and present must be considered as essential to our giving back tradition. Dr. Amir Tahaei has spent many hours in assisting in the preparation of this poster and is to be commended for taking time from his busy schedule. Jason Berk is a recent graduate who assisted before Amir and offered the theme.



Alberto Esquenazi, MD, John Whyte, MD, PhD, Michael Saulino, MD, PhD, C.R. Sridhara, MD

Moss Rehabilitation Hospital is an important site for training of the Jefferson Residents with outstanding internationally recognized faculty members. Dr. Albert Esquenazi (JRF 2000-), Chair of PMR at Moss and President of the AAPMR (2012) is an authority on gait, prosthetics and orthotics. Dr. John Whyte (JRF 2000-), Director of Brain Research, Drucker Center, is one of the foremost academicians in our specialty with funding from NIH, NIDRR and author of many publications in Brain Injury Rehabilitation. A former Jefferson resident, director of the Residency Program (2001-2005) and well regarded faculty mentor is Dr. Michael Saulino (JRR 1997), who receives high praise from the residents for his commitment to teaching. Dr. C.R. Sridhara's EMG experience is also highly regarded by the residents.

Four former residents who have recently served or are current members of the ABPMR continue a long tradition of "giving back" to the organization that defines our specialty. Carolyn Kinney (Jefferson Graduate 1984) at the Mayo Clinic in Scottsdale, Arizona is a teacher and practitioner. Karen, Gary and Jim reflect a mixture of academicians and practitioners. Karen Kowalske (Jefferson Graduate 1990) is Professor and Chair, Department of Physical Medicine and Rehabilitation, University of Texas Southwestern Medical Center at Dallas and the Chair of Board of Directors ABPMR. Jim McDeavitt (Jefferson Graduate 1991) is Senior Vice President for Education and Research, Carolinas Medical Center, Carolinas Health Care System, past Chair of the Department of Rehabilitation. Gary Clark (Jefferson Graduate 1978) is Professor and Chair, Department of Physical Medicine & Rehabilitation, Case Western Reserve University School of Medicine and Vice Chair of the Board of Directors ABPMR.

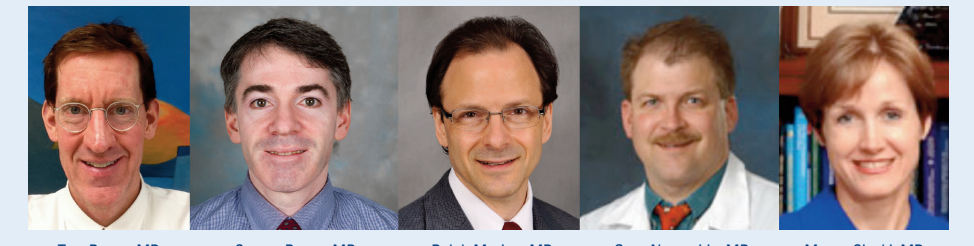


Gary Clark, MD, Karen Kowalske, MD, Jim McDeavitt, MD, Carolyn Kinney, MD



Michael Munin, MD, Wendy Helkowski, MD, Louis Penrod, MD, Ross Zafonte, DO

Jefferson trained residents and former faculty members have been instrumental in the growth of the Department of Physical Medicine and Rehabilitation at the University of Pittsburgh. Lou Penrod (JRR 1988) developed the division under orthopedic surgery and paved the way for creation of an independent department in 1999. He served as acting Chair until the following year, when a former Jefferson faculty member Ross Zafonte (JMCF 1992) was appointed. Dr. Zafonte served as Chair until 2007, when he was appointed to his current position as Chair at Harvard Medical School. Mike Munin (JRR 1992) is a professor and vice chair for program development and Wendy Helkowski (JRR 1996) is the residency program director and vice chair for medical education. Currently lead by Professor and Chair, Mike Boninger, the department has over 25 physician faculty. The department has excelled academically and is the largest research funded PM&R department in the country.



Tom Bryce, MD, Steven Burns, MD, Ralph Marino, MD, Greg Nemunitis, MD, Marca Sipski, MD

A focus of residency training and research for many years was spinal cord injury. In the federal competition for new model systems center in 2006 former Jefferson residents were named directors/co-directors of 5/16 centers designated in the nation.

Tom Bryce (Jefferson Graduate 1997) Mount Sinai, NYC, Steve Burns (Jefferson Graduate 1996), Univ. Washington, Seattle, Ralph Marino (Jefferson Graduate 1987) TJU, Gregory Nemunaitis (Jefferson Graduate 1989), Case Western Reserve, Cleveland and Marcalee Sipski Alexander (Jefferson Graduate 1986), UAB gives an impressive geographical representation.

Drs. Elizabeth Sandel and Kelly Eschbach - Rehabilitation Hospitalists

Betsy Sandel (Jefferson Graduate 1984) past president of the AAPMR (2009-10), former Chief of PM&R and Director of Research and Training at Kaiser Foundation Hospital in Vallejo, California is 2012 recipient of the Krusen Award. In a commentary (PMR Journal Vol. 4 pages 1-3, 2012) she defined a "Rehabilitation Hospitalist" as a physiatrist that sees patients at the time of injury and assists in the plan of a life-long program of rehabilitation. Kelly Eschbach (Jefferson Graduate 1995) is Medical Director of the Center for Rehabilitation Hospital at Wilmington Hospital, who describes herself also as a rehabilitation hospitalist and claims her credibility with surgeons is facilitated by her participation in the early assessment of patients together with them.



Elizabeth Sandel, MD, Kelly Eschbach, MD