

BRIAN MEHLING, M.D.

PERSONAL INFORMATION

Date of Birth: October 15, 1965

Place of Birth: Dayton, Ohio

Home Address and Telephone: 330 E. 38th Street, Apt. 57JK, New York, NY 10016

Professional Address and Telephone: Mehling Orthopedics, 214 State Street, Suite 101, Hackensack, NJ 07601; P: 201-342-7662; F: 201-342-7663; M: 917-434-9080

EDUCATION

08/1991-06/1996: The Wright State University School of Medicine, Dayton, OH

M.D.

School of Medicine Scholarship: 1993, 1994

Alpha Omega Alpha Honor Society: 1995

09/1990-06/1994: Ohio State University, Columbus, OH

M.S., Biochemistry

09/1984-06/1989: Ohio State University, Columbus, OH

B.A., Biochemistry, Dean's List 1985, 1986

06/1983-09/1983: Harvard University, Cambridge, MA

POST GRADUATE TRAINING

08/2001-07/2002: Graduate Hospital, Philadelphia, PA, Sports Medicine Fellowship

07/1996-06/2001: St. Joseph's Hospital, Paterson, NJ, Orthopedic Surgery Residency

08/1997-06/2001: Seton Hall University, South Orange, NJ, Ph.D. Program, Chemistry

BOARD CERTIFICATION

American Board of Orthopedic Surgery, Diplomate

HOSPITAL PRIVILEGES

08/2002-present: Good Samaritan Hospital, West Islip, NY

09/2002-present: Hackensack University Medical Center, Hackensack, NJ

09/2002-present: St. Joseph's Regional Medical Center, Paterson, NJ

08/2009-present: St. Joseph's Wayne Hospital, Wayne, NJ

09/2013-present: Meadowlands Hospital Medical Center, Secaucus, NJ

06/2014-present: Journal Square Surgical Center, Jersey City, NJ

11/2014-present: Hackensack University Medical Center at Pascack Valley, Westwood, NJ

01/2015-present: International Center for Minimally Invasive Surgery, Wyckoff, NJ

MEDICAL LICENSURE

New York #219517

New Jersey #25ma07210900

EXPERIENCE

09/2003-present: Mehling Orthopedics, Hackensack, NJ and West Islip, NY

General orthopedics with emphasis on orthopedic trauma

01/2002-12/2002: Weatherby Locums, Fort Lauderdale, FL

Orthopedic Emergency Room Coverage

01/2002-08/2002: Frankford Hospitals, Torresdale, Philadelphia, PA

09/2002-12/2002: Premier Orthopedics and Sports Medicine, Fort Lee, NJ

HONORS AND AWARDS

Wright State University School of Medicine Scholarship

1993, 1994

Alpha Omega Alpha Honor Society

1995

Biomedical Research Grant, Wright State University School of Medicine

The Study of Trophoblastic and HIV-1 Cross Reactive Proteins, 1993

Alpha Omega Alpha Student Research Fellowship, 1995

COMMUNITY SERVICE

Sports physicals and team doctor for local high schools

Special Olympics

Student-to-Student Education

St. Vincent's Hotel Homeless Shelter

PAPERS

- Brian M. Mehling, Louis Quartararo, Marine Manvelyan, Paul Wang, Dong-Cheng Wu. Evaluation of Immune response to Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation. *J Stem Cell Res Ther* 2015, 5:8.
- Brian M. Mehling, Louis Quartararo, Marine Manvelyan, Paul Wang, Dong-Cheng Wu. Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation. Paris France Jul 20-21, 2015, 17 (7) Part IX.
- Brian M. Mehling, Louis Quartararo, Marine Manvelyan, Paul Wang, Dong-Cheng Wu. Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation. *CellR4* 2015; 3 (2): e1562.
- Brian M. Mehling, Mpu-Cha Jiang, Wen Ping Xiong, Ge Wang, Chao Ma, Wei-Qi Yao, Steven F. Kendell, Brian M. Mehling, Xian-Hou Yuan, Dong-Cheng Wu: A clinical trial report of autologous bone marrow-derived mesenchymal stem cell transplantation inpatients with spinal cord injury, July 6, 2013, *Experimental and Therapeutic Medicine*.
- Peter Barre, Brian Mehling: A Zinc Calcium Phosphorus Oxide Ceramic Organic Acid Vitamin E Composite for Repairing Bone Defects. Rocky Mountain Bioengineering Symposium, Cooper Mountain, Colorado: April 5-11, 1995.
- Peter Barre, Brian Mehling: A Zinc Calcium Phosphorus Ceramic and Mallie Acid-Calcium-Hydroxide-Vitamin E Oil Composite for Repairing Bone Defects. 14th Southern Biomedical Engineering Conference, Shreveport, Louisiana: April 7-9, 1995.
- Anil K. Mandel, Brian Mehling: Heparin-Induced Endothelial Cell Cytoskeletal Reorganization: A Potential Mechanism For Vascular Relaxation. *Kidney International*, Vol. 48 (1995) pp.1508-16.

ABSTRACTS

- Brian M. Mehling. Retrospective Chart Review Study of Human Adipose Tissue Derived Mesenchymal Stem Cell Therapy in Subjects with Musculoskeletal Disorders. AAOS Annual Meeting, March 6-10, New Orleans, Louisiana, 2018.
- Brian M. Mehling. Mesenchymal stem cells in clinical applications. *J Tissue Sci Eng* 8:4, 2017.
- Brian M. Mehling, M.D., Marine Manvelyan, Ph.D., Dong-Cheng Wu, Ph.D. Clinical Application of Mesenchymal Stem Cells. *Tissue Engineering and Regenerative Medicine*, Berlin, Germany. Sept, 12-15, 2016.
- Brian Mehling, M.D, Marine Manvelyan, Dong-Cheng Wu, Ph.D. Stem Cell Therapy for Arthritis and Joint Injuries. 7th Annual Conference on Stem Cell and Regenerative Medicine. Manchester, UK. Aug. 4-5, 2016. *J Ste, Cell Res Ther* 6:7 (Suppl), 2016.
- Brian M. Mehling, M.D., Marine Manvelyan, Ph.D., Dong-Cheng Wu, Ph.D. Stem Cell Therapy for Arthritis and Joint Injuries. *Musculoskeletal Disease and Regeneration*, Chicago, IL, USA, May 5-6, 2016. *Orthop Muscular Syst* 5:2, P 32, 2016.
- Brian M. Mehling, M.D. Evaluation of Immune Response to Intravenously Administered Human Cord Blood

- Brian M. Mehling, Louis Quartararo, Marine Manvelyan, Paul Wang, Dong-Cheng Wu. Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation. Orthopaedic Research and Innovation Symposium. Orthopaedic Research and Innovation Symposium. Wright State University, 2015.
- Brian M. Mehling, Louis Quartararo, Marine Manvelyan, Paul Wang, Dong-Cheng Wu. Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation and Aging. XIV. Slovak Geriatrics Congress, 2015.
- Brian M. Mehling, Louis Quartararo, Marine Manvelyan, Paul Wang, Dong-Cheng Wu. Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation. 17th International Conference on Tissue Engineering and Regenerative Medicine, Paris, France. International Science Index Vol: 2, No: 7, 2015.
- Brian M. Mehling, Louis Quartararo, Marine Manvelyan, Paul Wang, Dong-Cheng Wu. Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation. 4th International Conference on Tissue Science and Regenerative Medicine, Rome, Italy, 2015.
- Peter Barre, Brian Mehling: Suitability of a Zinc-Based Bioceramic for Repair of Bone Defects, Microscopy and Microanalysis '95, Kansas City: August 13-17, 1995.

RESEARCH AWARDS

Biomedical Research Grant, Wright State University: The Study of Trophoblastic and HIV-1 Cross Reactive Proteins: July 1993

Alpha Omega Alpha 1995 Student Research Fellowship: Fluorine-18-Fluorocaptopril as an In Vivo Probe of the Heparin Induced Changes in the Expression of Angiotensin-Converting-Enzyme in the Rat Model by Positron Emission Tomography with Histological, Immuno-labeling, and Transmission Electron Microscopy Analysis

University of Texas Medical Branch Department of Internal Medicine Award: Heparin Induced Modification of Angiotensin-Converting Enzyme and Vascular Relaxation Effect Through Cell Remodeling in Cultured Endothelial Cells, 36th Annual National Student Research Forum, Galveston, Texas: April 6-8, 1995

TEACHING EXPERIENCE

Teaching Assistant for Biochemistry 521: Introduction to Biochemistry Laboratory, Ohio State University, 1991

Teaching Assistant for Biology 101: Introduction to Biology, Ohio State University, 1992

Tutor for First Year Medical Students in Gross Anatomy, Biochemistry, Physiology, Histology, and Microbiology, The Wright State University, September 1993 - May 1994

PROFESIONAL AND SOCIETY MEMBERSHIPS

American Academy of Orthopedic Surgeons, 2009-present

American Medical Association, 1993-present

New York Medical Society

New Jersey Medical Society

Orthopedic Trauma Association

American Medical Student Association

Institutional Review Board, St. Joseph's Hospital, Paterson, NJ

PRESENTATIONS AT MEETINGS

- Retrospective Chart Review Study of Human Adipose Tissue Derived Mesenchymal Stem Cell Therapy in Subjects with Musculoskeletal Disorders". AAOS Annual Meeting, March 6-10, New Orleans, Louisiana, 2018.
"Mesenchymal stem cells in clinical applications". 6th International Conference on Tissue Engineering and Regenerative Medicine, San Francisco, USA, August 23-24, 2017
- "Analysis of Outcomes following Mesenchymal Stem Cell Therapy in Subjects with Musculoskeletal Conditions." Global Congress on Tissue Engineering, Regenerative & Precision Medicine, San Antonio, USA, December 01-02, 2016.
- "Stem Cell Therapy for Musculoskeletal Conditions." BIT's 7th World Gene Convention – 2016, Shanghai, China, November 3-5, 2016.
- "Clinical Applications of Mesenchymal Stem Cells." First Inter-American Stem Cell Conference and Fourth International Symposium on Cellular Therapies and Regenerative Medicine. Havana, Cuba, October 13-15, 2016.
- "Clinical Applications of Mesenchymal Stem Cells." Tissue Engineering and Regenerative Medicine. Berlin, Germany. Sept. 12-14, 2016.
- "Stem Cell Therapy for Arthritis and Joint Injuries." 7th Annual Conference on Stem Cell and Regenerative Medicine. Manchester, UK. August 4-5, 2016.
- "Stem Cell Therapy in Regenerative Medicine." 2nd European Congress of Hockey Medicine (II. ECHM), Bratislava, Slovakia, June 2-4, 2016.
- "Stem Cell Therapy for Arthritis and Joint Injuries." Musculoskeletal Disease and Regeneration, Chicago, IL, USA, May 5-6, 2016.
- "Stem Cell Commercialization." Annual meeting of IsraStem and ISCS (Israel Stem Cell Society), Tel Aviv, Israel, April 5-6, 2016.
- "Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation and Aging." XXXIV. Cervenansky days, National Meeting of Slovak Orthopaedic and Traumatologic Society. Bratislava, Slovakia, March 10-11, 2016.
- "Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation and Aging." 6th World Conference on Cell & Stem Cell Research. Philadelphia, PA, USA, February 29-March 2, 2016.
- "Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation and Aging." 4th International Conference on Tissue Science and Regenerative Medicine. Rome, Italy, July 27-29, 2015.

- “Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation and Aging.” XIV Slovak Geriatrics Congress. Strbske, Slovakia, April 15-17, 2015.
- “Safety Study of Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation.” Orthopaedic Research and Innovation Symposium. Wright State University, April 6, 2015.
- “High Potency Stem Cell Treatments and Health Travel,” International Medical Travel Exhibition and Conference. United Arab Emirates, Dubai, March 5-6, 2014.
- “Stem Cell Therapy for Spinal Cord Injury: A Retrospective Chart Review”. Wright State University Boonshoft School of Medicine Central Research Forum, October 16, 2014.
- “Hematopoietic Stem Cells and Clinical Application” Taishen Academic Forum, Hematopoietic Stem Cells and Leukemia. Weifang, Shangdong, China, 2013.

CLINICAL PRACTICE, RESEARCH, AND ACCOMPLISHMENTS

- General Orthopedics with emphasis on orthopedic trauma coverage
- Stem cell and regenerative medicine research

IND (Investigational New Drug) Application

FDA-endorsed, investigator-led IND 18171 (Investigational New Drug) application: “Evaluation of the Safety and Efficacy of Hemacord HPC, Cord Blood in Subjects with Acute Ischemic Stroke”.

Co-Investigator of IRB Approved Protocols:

1. Safety Study of Post-Surgical Balm Application for Scar Reduction, BH-BA-801 (IRB approval number: IRCM-2016-107) August 24, 2016.
2. An Analysis of Outcomes of Reconstruction or Amputation of Life-Threatening Injuries, Retrospective Study with Prospective Survey (IRB#16-001), March 17, 2016
3. Safety Study of Intravenously and Intrathecally Administered Human Cord Blood Stem Cells in the Treatment of Spinal Cord Injury, Protocol Identifying Number, BH-IN-7104, December 17, 2014
4. Safety Study of Intravenously and Intrathecally Administered Human Cord Blood Stem Cells in the Treatment of Traumatic Brain Injury, Protocol Identifying Number, BH-IN-7103, December 10, 2014
5. Evaluation of Immune response to Intravenously Administered Human Cord Blood Stem Cells in the Treatment of Symptoms Related to Chronic Inflammation, Protocol Identifying Number, BH- IN-7101b July and December 2014

Pending Protocols:

Safety Study of Intravenously and Intrathecally Administered Human Cord Blood Stem Cells in the

Treatment of:

1. Alzheimer's dementia
2. Diabetes Types 1 and 2
3. Myocardial Infarction
4. Osteoarthritis
5. Parkinson's disease
6. Post traumatic arthritis
7. Rheumatoid arthritis
8. Wilson disease

CIVIC ACTIVITIES

Blue Horizon Charitable Foundation
Sports physicals and team physician for local high schools
Special Olympics
Student-to-Student Community Education
Saint Vincent's Hotel Homeless Shelter

INTERESTS

Stem cell research, travel, film making, music, skiing, snowboarding, weigh training, running, golf, tennis

FILMOGRAPHY

Tiny Tears, 2008 Produced by Brian Mehling, Industrial Motion Pictures, Directed by Robert Corna,
Narrated by Danny Glover

- United Nations Premiere April 17, 2008
- Cannes Film Festival Premiere May 19, 2008

A Smile for Bow, 2015 Produced by Brian Mehling, Industrial Motion Picture, Directed by Robert Corna

- Berlinale, Berlin International Film Festival Premiere February 11, 2015

Co-Investigator of IRB Approved Protocols:

6. Safety Study of Post-Surgical Balm Application for Scar Reduction, BH-BA-801 (IRB approval number: IRCM-2016-107) August 24, 2016.
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13. Parkinson's disease
14. Post traumatic arthritis
15. Rheumatoid arthritis
16. Wilson disease

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Special Olympics
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