

Curriculum Vitae

Michael L. Bernstein, M.D., Ph.D.

Education:

Undergraduate degree and major

May 1994
Johns Hopkins University
B.A. in Biology, Minor in Psychology
Baltimore, MD
Graduated with Honors
Phi Beta Kappa

Graduate degree and major

May 2003
Washington University School of Medicine
St. Louis, MO
M.D./Ph.D. in Medicine and Developmental Neurobiology
Graduated in top quarter of medical school class
Recipient of a Medical Scientist Training Program grant providing full tuition scholarship and stipend

Postgraduate training:

Residency

Resident, Plastic and Reconstructive Surgery
July 2003-June 2009
Section of Plastic and Reconstructive Surgery
Department of Surgery
University of Michigan Hospital
Ann Arbor, MI

Saint Joseph Mercy Hospital
Ann Arbor, MI

Veteran's Administration Hospital
Ann Arbor, MI

Chief administrative resident
July 2008-June 2009

Received training in all aspects of plastic and reconstructive surgery, including the management of complex wounds, management of general, breast, and post-Mohs reconstruction and the management of complex facial trauma, general hand surgery and Microsurgery. Received training in cosmetic surgery, including surgical rejuvenation of the aging face, body contouring and skin rejuvenation. Certified obtained in the use of medical lasers for both cosmetic and noncosmetic problems.

Basic Maxillofacial Principles and Techniques Course

Feb 2007

American Society of Maxillofacial Surgeons (ASMS)

University of Pennsylvania Hospital

Philadelphia, PA

Training in orthognathic, maxillofacial and posttraumatic bony reconstruction of the facial skeleton.

Microsurgical Techniques Course

Mar 2007

Section of Plastic and Reconstructive Surgery

Department of Surgery

University of Michigan Hospital

Ann Arbor, MI

Postdoctoral Research

N/A

Board certification and Licensure:

Board Certified, Plastic and Reconstructive Surgery

MO License Number: 2009009423 (Missouri) by reciprocity

Current position and address:

2009-pres

Assistant Professor, Clinical Faculty
Division of Plastic and Reconstructive Surgery
Department of Surgery
Saint Louis University
3635 Vista Ave. at Grand Blvd.
P.O. Box 15250
St. Louis, MO 63110-0250

Previous Professional Experience:

Research Assistant

Aug 1992-July 1993

Laboratory of Ethylin Wang Jabs

Johns Hopkins University School of Medicine, Baltimore, MD

Conducted experiments mapping human genes related to cranio-facial dysostosis.

Research Assistant

Aug 1993-May 1994

Laboratory of Bill Busa

Johns Hopkins University, Baltimore, MD

Conducted experiments on the dorsal-ventral patterning of *Xenopus Laevis* embryos.

Research Assistant

June 1994-Aug 1994

Laboratory of Mark P. Goldberg Washington University School of Medicine, St. Louis, MO

Studied the morphological effect of neurotoxic injury on cultured hippocampal neurons.

Teaching Assistant

Aug-Dec 1998

Medical Student Neurobiology course Washington University School of Medicine, St. Louis, MO

Assisted in the teaching of laboratory sessions and grading of exams.

Teaching Assistant

July 1999, July 2000

Imaging Structure and Function of the Nervous System Cold Spring Harbor Marine Biological Laboratory, Cold Spring Harbor, NY

Designed and implemented teaching experiments illustrating techniques for imaging the nervous system of living animals.

Research Assistant

Aug 1996- Dec 2001

Laboratory of Jeff W. Lichtman

Washington University School of Medicine, St. Louis, MO

Successfully defended thesis “Factors Controlling the Stabilization and Growth of Axons at the Neuromuscular Junctions of Mice” in November, 2001.

Created and implemented a long-term research program investigating factors controlling the stability and branching of axons in living animals following injury.

Taught *in vivo* microscopy and murine survival surgery techniques.

Clinical Staff appointments:

July 2009-pres	Saint Louis University Hospital
July 2009-pres	Cardinal Glennon Children’s Hospital
July 2009-pres	Saint Mary’s Hospital
Dec 2011-pres	Saint Louis Veteran’s Hospital, Chief of Plastic Surgery

Professional Society Memberships:

2003-pres	American Society of Plastic and Reconstructive Surgery
2011-pres	Board Certified in Plastic and Reconstructive Surgery
2001-pres	American Medical Association
2009-pres	Missouri State Medical Association

Honorary Societies, Honors and Awards:

N/A

Professional Services: Any information to add here? If not, put N/A and I

N/A

- 1. Committee memberships: (include hospital, university, department, professional society, educational and research review, i.e., study section, committees)**

Chairman Plastic Surgery Curriculum Review Committee
Prevention of Amputation for Veterans Everywhere (PAVE) Committee

- 2. Editorial and Journal review boards**

N/A

Research Support:

Current funding: source, title of grant, funding period, and direct/total dollars awarded. Indicate PI or investigator role.

Past funding: same as above.

Research Assistant

August 1992- August 1993

Laboratory of Ethylin Wang Jabs

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Taught *in vivo* microscopy and murine survival surgery techniques.

Bibliography:**I. Papers published, in press, or accepted for publication in peer-reviewed journals; all authors, full title, journal (vol., pages), and year should be referenced.**

1. Jabs EW, Thomas PJ, Bernstein M, Coss C, Ferreira GC, Pedersen PL. Chromosomal localization of genes required for the terminal steps of oxidative metabolism: alpha and gamma subunits of ATP synthase and the phosphate carrier. *Hum Genet* 1994;93:600-602.
3. Bernstein ML, Feng G, Sanes JR, Lichtman JW (1999) In vivo analysis of axonal changes after axotomy and target deprivation in mice expressing GFP in motor neurons. *Soc. Neurosci. Abst.* 29:806.2.
4. Feng G, Hood R, Bernstein M, Keller-Peck C, Wallace M, Nerbonne JM, Lichtman JW, Sanes JR. Imaging Neuronal Subsets in Transgenic Mice Expressing Multiple Spectral Variants of GFP. *Neuron* 2000;28:41-51.
5. Bernstein M, Lichtman JW. Axonal atrophy: the retraction reaction. *Curr Opin Neurobiol* 1999;9:364-370.
6. Bernstein ML, Chung KC. Hand Fractures and their Management: An International View. *Injury* 2006;11:1043-1048.
7. Bernstein ML, Chung KC. Early Management of the Mangled Upper Extremity. *Injury* 2007;38s5:3-7.
8. Bernstein ML, Chung KC (Accepted) Desmoplastic Fibroma of the Hand: A Case Report. *J Hand Surg Am* 2008;33(8):1405-1408.

2. **Book chapters, monographs, review articles, case reports**

Bernstein ML, Oda T. **Lateral Arm Flap**. *CD-ROM. Flap Reconstruction of the Upper Extremity: A Master Skills Publication*. Chung KC (ed). American Society for Surgery of the Hand, Rosemont, 2009.

Bernstein ML, Aliu O, Oda T. **Toe to Hand Transfer** *CD-ROM. Flap Reconstruction of the Upper Extremity: A Master Skills Publication*. Chung KC (ed). American Society for Surgery of the Hand, Rosemont, 2009.

Aliu O, Bernstein ML, Oda T. **Gracilis Free Tissue Transfer**. *CD-ROM. Flap Reconstruction of the Upper Extremity: A Master Skills Publication*. Chung KC (ed). American Society for Surgery of the Hand, Rosemont, 2009.

3. **Abstracts**

Bernstein ML, Parsadonian ASH, Keller-Peck CR, Snider WD, Lichtman JW. Axotomy induces both GDNF sensitivity in regenerating axons and GDNF expression in schwann cells. *Soc Neurosci Abst* 1998;28:413.3.

Franco, Johnny MD; Pollack, Jonathon MD; Davies, Lauren; Fallucco, Michael MD; Nykiel, Matthew MD; Bernstein, Michael MD, Kraemer, Bruce MD. (2011) **The Ideal Upper Extremity Flap for Soft Tissue Defects, Radial Artery Perforator Adipofascial Flap**. *Plastic and Reconstructive Surgery*. 128(4S):78-79.

Current and past teaching responsibilities: (courses and topics)

Reference to the availability of a teaching portfolio should be included.

Thesis, dissertation, postdoctoral supervision:

Bernstein, ML (2003) *Factors Controlling the Stabilization and Outgrowth of Axons at the Neuromuscular Junction of Mice* (Doctoral Dissertation) Washington University. Saint Louis

Supplemental Material:**I. Presentations (national and international meetings), seminars**

Bernstein, Michael MD/PhD (2012) **Facial Reconstruction** *Update in Multidisciplinary Cancer Care with an Emphasis on the Team Approach* St. Louis

2. Military service (if applicable)

N/A

Community Service