

## CURRICULUM VITAE

### **Nina Hartman, MD, FAAD**

Lupo Center for Aesthetic & General Dermatology  
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### **Education**

2013-2017	University of Maryland School of Medicine Baltimore, Maryland M.D. Top 10 <sup>th</sup> percentile
2008-2012	Johns Hopkins University Baltimore, Maryland B.S. Molecular and Cellular Biology Minor in Psychology General Honors (Cum Laude) Dean's list, Fall 2009-Spring 2012

### **Post-Graduate Training**

2021-2022	Goldman Butterwick Groff Fabi Wu & Boen, Cosmetic Laser Dermatology, under Dr. Mitchel Goldman Cosmetic Dermatologic Surgery Fellow American Society for Dermatologic Surgery
2018-2021	Cleveland Clinic Foundation – Cleveland, Ohio Resident, Dermatology Chief Resident (2020-2021)
2017-2018	Cleveland Clinic Foundation – Cleveland, Ohio Intern, Internal Medicine

### **Certifications**

2021	Board Certified in Dermatology, American Board of Dermatology
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### **Licensures**

California	A172806
Louisiana	330840

### **Awards and Honors**

2020	Jumpstart Research Seed Grant Recipient, American Society for Dermatologic Surgery – Combined Treatment with Nonablative Fractional Laser and Radiofrequency Microneedling for the Treatment of Acne Scars: a Prospective, Randomized, Split-Face Study
2019	National Psoriasis Foundation Scholarship, Annual NPF Residents Meeting
2019	ASDS scholarship, Annual Resident Cosmetic Symposium
2017	Eugene Sydney Bereston Award for Excellence in Dermatology, University of Maryland School of Medicine
2017	Cum Laude and top 10 <sup>th</sup> percentile, University of Maryland School of Medicine
2015	Alpha Omega Alpha Honor Medical Society
2014	Steuber Summer Scholar, University of Maryland School of Medicine
2014	3 <sup>rd</sup> Place, 2014 Annual Medical Student Research Day, University of Maryland School of Medicine
2012	General Honors (Cum Laude), Johns Hopkins University

### **Professional Societies**

2016-present	American Academy of Dermatology (AAD)
2018-present	American Society for Dermatologic Surgery (ASDS)
2018-present	American Society for Laser Medicine and Surgery (ASLMS)
2018-present	Women's Dermatologic Society (WDS)
2015-present	Alpha Omega Alpha (AOA) Honor Medical Society
2014-present	American Medical Association (AMA)

### **Leadership and Committee Service**

2020-2021	Resident Liaison, American Society for Laser Medicine and Surgery (ASLMS)
2020-2021	Chief Resident, Cleveland Clinic Department of Dermatology
2020-2021	Resident Education Committee, Cleveland Clinic Department of Dermatology
2019-2020	Medical Student Coordinator, Cleveland Clinic Department of Dermatology

2018-2019	Skin Cancer Screening Coordinator, Cleveland Clinic Department of Dermatology
2016-2017	Vice President, Alpha Omega Alpha Honor Medical Society, University of Maryland School of Medicine
2014-2015	Secretary, Dermatology Interest Group, University of Maryland School of Medicine
2014-2015	Member, President's Student Leadership Institute, University of Maryland School of Medicine

**Community and Public Services**

2018-2019	Skin Cancer Screening Coordinator, Cleveland Clinic Department of Dermatology – Cleveland, Ohio
2019	Coordinator and Volunteer, Cleveland Clinic Hillcrest Skin Cancer Screening – Cleveland, Ohio
2019	Coordinator and Volunteer, Cleveland Clinic Men's Minority Health Fair – Cleveland, Ohio
2018	Coordinator and Volunteer, John Carroll University Health Fair – Cleveland, Ohio
2018	Coordinator and Volunteer, Cleveland's Miles for Melanoma 5k Skin Cancer Screening – Cleveland, Ohio
2013-2015	Tutor, Federal Hill Preparatory School – Baltimore, Maryland
2014-2015	Tutor, A Bridge to Academic Excellence (ABAE) Tutoring – Baltimore, Maryland
2014-2015	Peds Pals, University of Maryland Medical Center – Baltimore, Maryland
2011-2012	Volunteer, Campus Kitchens – Baltimore, Maryland
2010-2012	Volunteer, Partnership for Student Achievement (PSA) – Baltimore, Maryland

**Research**

2021	Jumpstart Research Seed Grant, American Society for Dermatologic Surgery Principal Investigator Combined Treatment with Nonablative Fractional Laser and Radiofrequency Microneedling for the Treatment of Acne Scars: a Prospective, Randomized, Split-Face Study
2021	NC8 Sub-Investigator; Principal Investigator: Sabrina Fabi, MD Controlled Focal Fibrous Band Release Method (CONFFIRM)

- 2021 Dermatology Cosmetic Laser Medical Associates of La Jolla, Inc.  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
The Effect of Cooling on Sclerotherapy
- 2021 Galderma  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
A Randomized, Evaluator-blinded, No-Treatment Controlled, Multicenter Study to Evaluate the Effectiveness and Safety of Sculptra Aesthetic for Correction of Cheek Wrinkles
- 2021 Mindera  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
An Exploratory, Multicenter, Observational Study to Examine RNA Biomarkers of Psoriasis Subjects Through the Application of the Mindera Kit Part 2 (STAMP-2)
- 2021 Allergan Aesthetics, an AbbVie Company  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
CoolSculpting® Elite: Multi-Country Study to Evaluate Patient Satisfaction for Non-Invasive Fat Reduction in Abdomen, Flanks, Upper Arms, Inner Thighs, Outer Thighs, and Submental Area (NuCOOL)
- 2021 Sienna Biopharmaceuticals  
Sub-Investigator; Principal Investigator: Monica Boen, MD  
Treatment of Blond/Grey/Light Red Axillary Hair with 810nm Diode Laser Activation of Silver Nanoparticles with a Standard and Optimized Infusion Paddle
- 2021 Lumenis  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
A Pilot Study to Evaluate the Effectiveness of the PiQo4 Picosecond Laser (PSL) System for Reduction of Infra-orbital Pigmentation
- 2021 Ventera Incorporated  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
An Open-label, 4-Week, Repeat-application, Intra-subject, Dose Escalation and 12-Week Randomized, Double-blind, Placebo-controlled Treatment Trial of Topical VT30 in Subjects with Venous Lymphatic or Mixed Malformations Associated with PIK3CA or TEK Genetic Mutations
- 2021 Ulthera, Inc. a division of Merz North America, Inc. / Merz Aesthetics  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
Prospective, Evaluator-blind, Multicenter Study to Assess the Safety and Effectiveness of Treatment with Octave System for Improving Lines and Wrinkles of the Décolleté
- 2021 AVITA Medical  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD

A Prospective Blinded Within-Subject Randomized Controlled Clinical Study to Investigate the Safety and Effectiveness of RECELL for Repigmentation of Stable Vitiligo Lesions

- 2021 Galderma  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
A Randomized Single-Center, Double Blinded, Split-Body Clinical Trial of Poly-L-Lactic Acid (Sculptra® Aesthetic) for the Treatment of Cellulite of the Buttocks and Thighs
- 2021 Raziel Therapeutics, Ltd.  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
A Double Blind, Randomized, Three-Arm, Placebo-Controlled Phase 2b Study to Evaluate the Efficacy and Safety of RZL-012 in Subjects Seeking Submental Fat Reduction
- 2021 DermTech Operation, Inc.  
Sub-Investigator; Principal Investigator: Brook Brouha, MD, PhD  
A Sample Collection Study to Assess the Prevalence of Gene Mutations Associated with Photoaging in Facial Skin from Adults: Establishing Population Norms
- 2021 OrLucent, Inc.  
Sub-Investigator; Principal Investigator: Brook Brouha, MD, PhD  
Assessing Tissue Remodeling in the Skin using SFI (Skin Fluorescence Imaging)
- 2021 UCB Biopharma SRL  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
A Multicenter, Open-label, Randomized Study to Assess the Pharmacokinetics, Safety, and Efficacy of Two Doses of Bimekizumab in Adolescent Study Participants with Moderate to Severe Plaque Psoriasis
- 2021 Pfizer, Inc.  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
A Phase 2, Randomized, Double-blind, Vehicle-controlled, Proof-of-concept Study to Evaluate the Efficacy, Safety, and Local Tolerability of Crisaborole Ointment 2% in Adult Participants with Stasis Dermatitis without Active Skin Ulceration
- 2021 Allergan Aesthetics, an AbbVie Company  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
Platysma Prominence: BOTOX® for the Treatment of Platysma Prominence
- 2021 Accure Acne, Inc.  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
An Evaluation of the Effect of the Accure Laser on the Treatment of Moderate Inflammatory Acne Vulgaris

- 2021 Galderma  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
A Randomized, Double-Blind, Placebo-Controlled Study to Assess the Efficacy and Safety of Nemolizumab (CD14152) in Subjects with Prurigo Nodularis
- 2021 Merz North America, Inc.  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
Prospective, Multicenter, Controlled, Evaluator-blind, Randomized Study to Investigate the Effectiveness and Safety of Diluted Radiesse® for treatment of Décolleté Wrinkles
- 2021 Biofrontera Bioscience  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
A Randomized, Double Blind, Vehicle-controlled, Multicenter Phase II Study to Evaluate the Safety and Efficacy of BF-200 ALA (Ameluz®) and BF-RhodoLED® in the Treatment of Moderate to Severe Acne Vulgaris in Adults with Photodynamic Therapy (PDT)
- 2021 Bausch Health US  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
A Prospective, Non-Randomized, Evaluator-blind, Vehicle-controlled Study Evaluating the Efficacy, Safety and Patient Satisfaction of Tretinoin 0.05% Lotion (Altreno®) for Chest Rejuvenation
- 2021 Galderma  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
A Single Center, Double-Blinded, Split-Body, Randomized Clinical Trial of Injectable Poly-L-Lactic Acid for the Treatment of Upper Inner Arm Skin Crepiness/Laxity
- 2021 Galderma  
Sub-Investigator; Principal Investigator: Monica Boen, MD  
Injectable Poly-L-Lactic Acid (Sculptra® Aesthetic) versus Saline for Treatment of Facial Acne Scars
- 2021 Galderma  
Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
A Single Center, Double-Blinded, Split-Body, Randomized Clinical Trial of Injectable Poly-L-Lactic Acid for the Adipogenesis of the Hip Dell
- 2021 Allergan Aesthetics, an AbbVie Company  
Sub-Investigator; Principal Investigators: Mitchel Goldman, MD  
A Single-Centered Randomized Single-Blinded Clinical Trial to Evaluate Efficacy and Safety of Combined Treatment of Coolsculpting® with Cooltone® vs. Coolsculpting® Alone in Treating the Gluteal Crease Region
- 2021 Teoxane  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD

A Prospective, Randomized, Blinded Evaluator, Multicenter, Between-subjects Clinical Study to Evaluate Safety and Effectiveness of RHA® 4 versus JUVÉDERM® VOLUMA™ XC for Treatment of Midface Volume Deficiency

- 2021 DefenAge  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
Improvement in the Appearance of Periorbital Wrinkles with DefenAge 8-in-1 BioSerum Supplemented with Enhanced Concentration of Defensins
- 2021 10xBio, LLC  
Sub-Investigator; Principal Investigator: Douglas Wu, MD  
A Multi-Center, Randomized, Double-blind, Vehicle-controlled, Study of the Safety and Efficacy of Polidocanol (10XB-101) in Adult Subjects with Submental Fat
- 2021 Aristeia Therapeutics, Inc.  
Sub-Investigator; Principal Investigators: Mitchel Goldman, MD  
A Randomized, Double-blind, Placebo-controlled, Dose Ranging Phase 2 Study to Evaluate the Efficacy and Safety of RIST4721 in Subjects with Palmoplantar Pustulosis
- 2021 Alfasigma S.p.A.  
Sub-Investigator; Principal Investigators: Mitchel Goldman, MD  
A phase IIa, multicenter, double blind, placebo controlled, randomized clinical trial to assess safety, efficacy and pharmacokinetics of Rifaximin Delayed-Release (Rifaximin-EIR) in patients with moderate-to-severe papulopustular rosacea
- 2022 Allergan Aesthetics, an AbbVie Company  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
A Randomized, Blinded, Parallel-Group Study to Compare the Efficacy, Safety and Immunogenicity Between Two Formulations of OnabotulinumtoxinA (Formulation Nos. 9060X and 11518X) for the Treatment of Glabellar Lines
- 2022 Alastin Skincare, Inc.  
Sub-Investigator; Principal Investigator: Sabrina Fabi, MD  
A Multi-Center Double-Blind, Randomized Clinical Study Evaluating the Efficacy and Safety of a Topical Product for Facial Dyschromia
- 2022 Allergan Aesthetics, an AbbVie Company  
Sub-Investigator; Principal Investigators: Mitchel Goldman, MD  
A single-centered randomized single-blinded clinical trial to evaluate efficacy and safety of sequential treatment of CoolSculpting Elite with CoolTone vs. CoolSculpting Elite alone in treating the banana roll region
- 2022 Chroma Pharma  
Sub-Investigator; Principal Investigators: Mitchel Goldman, MD

A randomized, subject- and evaluator-blinded, controlled, non-inferiority multicenter, parallel group comparison study to evaluate effectiveness and safety of saypha® VOLUME Lidocaine for midface augmentation in order to correct volume deficit

2022

Mindera

Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
A 16-week randomized evaluation of the impact of Mind.Px Application on response to biologic treatment in patients suffering from plaque psoriasis Through Clinical utility and Health outcomes. (MATCH STUDY)

2022

Sofwave

Sub-Investigator; Principal Investigator: Mitchel Goldman, MD  
A Single Center, Blinded, Split-Body, Randomized Clinical Trial of High Intensity Ultrasound for the Treatment of Upper Inner Arm Skin Laxity

### **Publications**

1. Ong CT, Lim IJ, Goldman MP, **Hartman N**, Masilamani J, Phan TT. Red Deer Umbilical Cord Lining Mesenchymal Stem Cell Conditioned Media Improve Skin Elasticity through Upregulation of Hyaluronic Acid and Elastin Expression in Human Dermal Fibroblasts. *J Drugs Dermatol*. Accepted and awaiting publication.
2. **Hartman N**, Loyal J, Goldman, M. The Perfect Pointe: Calcium Hydroxylapatite to the Dorsal Foot of a Ballerina. *Dermatol Surg*. Accepted and awaiting publication.
3. **Hartman N**, Loyal J, Fabi S. An Update on Exosomes in Aesthetics. *Dermatol Surg*. Accepted and awaiting publication.
4. Loyal J, **Hartman N**, Fabi SG, Butterwick KJ, Goldman MP. Cutaneous Vascular Compromise and Resolution of Skin Barrier Breakdown After Dermal Filler Occlusion-Implementation of Evidence-Based Recommendations Into Real-World Clinical Practice. *Dermatol Surg*. 2022 Apr 12. Epub ahead of print.
5. Khanna U, **Semsarzadeh N**, LaSenna C, Ellis A, Galadari A, Fernandez AP. Disseminated discoid lupus erythematosus mimicking Degos disease. *Australas J Dermatol*. 2019 Aug 20. PMID: 31429927.
6. Khanna U, **Semsarzadeh N**, Glaser K, Fernandez AP. Erosive pustular dermatosis of the scalp associated with Sirolimus. *J Eur Acad Dermatol Venereol*. 2019 Aug 12. PMID: 31403723.
7. **Semsarzadeh N**, Khetarpal S. Platelet-Rich Plasma and Stem Cells for Hair Growth: A Review of the Literature. *Aesthet Surg J*. 2019 May 20. PMID: 31111157.
8. Singh DP, Gowda AU, Chopra K, Tholen M, Chang S, Mavrophilipos V, **Semsarzadeh N**, Rasko Y, Holton Iii L. The Effect of Negative Pressure Wound Therapy With Antiseptic Instillation on Biofilm Formation in a Porcine Model of Infected Spinal Instrumentation. *Wounds*. 2017 Jun;28(6):175-180. PMID: 28267679.



9. Chang S, Gowda A, Mavrophilipos V, **Semsarzadeh N**, Singh DP. Common Complications in Aesthetic Breast Augmentation. *Eplasty*. 2015 Aug 21;15:ic49. PMID: 26336574.
10. Chopra K, Buckingham B, Tadisina KK, **Semsarzadeh NN**, Singh DP, Holton LH. Crossing osteotomies and rib transposition for coverage of a moderate-sized bony thoracic defect. *Plastic Surgery: Case Studies*. Summer 2015; volume 1, issue 1:11-14.
11. **Semsarzadeh NN**, Tadisina KK, Maddox J, Chopra K, Singh DP. Closed Incision Negative-Pressure Therapy Is Associated with Decreased Surgical-Site Infections: A Meta-Analysis. *Plast Reconstr Surg*. 2015 Sep;136(3):592-602. PMID: 26313829.
12. Cho-Clark M, Larco DO, **Semsarzadeh NN**, Vasta F, Mani SK, Wu TJ. GnRH-(1-5) transactivates EGFR in Ishikawa human endometrial cells via an orphan G protein-coupled receptor. *Mol Endocrinol*. 2014 Jan;28(1):80-98. PMID: 24264576
13. Larco DO, **Semsarzadeh NN**, Cho-Clark M, Mani SK, Wu TJ.  $\beta$ -Arrestin 2 is a mediator of GnRH-(1-5) signaling in immortalized GnRH neurons. *Endocrinology*. 2013 Dec;154(12):4726-36. PMID: 24140715.
14. Larco DO, **Semsarzadeh NN**, Cho-Clark M, Mani SK, Wu TJ. The Novel Actions of the Metabolite GnRH-(1-5) are Mediated by a G Protein-Coupled Receptor. *Front Endocrinol (Lausanne)*. 2013 Jul 8;4:83. PMID: 23847594.
15. Byerly MS, Swanson RD, **Semsarzadeh NN**, McCulloh PS, Kwon K, Aja S, Moran TH, Wong GW, Blackshaw S. Identification of hypothalamic neuron-derived neurotrophic factor as a novel factor modulating appetite. *Am J Physiol Regul Integr Comp Physiol*. 2013 Jun 15;304(12):R1085-95. PMID: 23576617

#### **Medical Textbooks/Chapters**

1. **Semsarzadeh N**, Khetarpal S. Rise of Stem Cells in Aesthetics: Review and Debate. *Clinics in Dermatology*. Accepted and awaiting publication.
2. **Semsarzadeh N**, Ranasinghe GC, Meine J. "Local Anesthetics." *Dermatologic Surgery*. 2<sup>nd</sup> ed. Thieme Publishers. In progress.
3. **Semsarzadeh N**, Dover J. "PRP for Immune Mediated Alopecia." *Aesthetic Clinician's Guide to Platelet Rich Plasma*. 1<sup>st</sup> ed. Springer. 2021.
4. **Semsarzadeh N**, Andrasik W, Khetarpal S. "Stem cells, exosomes (clinical use and legal considerations)." *Advances in Cosmetic Surgery*. 4<sup>th</sup> Ed. Springer. 2021.
5. **Semsarzadeh N**, Khetarpal S. "Role of PRP and the Science Behind its Mechanism of Action (many uses, including rejuvenation, hair growth, etc.)." *Advances in Cosmetic Surgery*. 3<sup>rd</sup> Ed. Elsevier. January 2020.

#### **Oral Presentations**

1. **Hartman N**, Wu D. Optimizing the Treatment of Acne Scars. American Society for Laser Medicine and Surgery (ASLMS) Annual Meeting; San Diego, CA; April 29 2022.
2. **Hartman N**, Wu D. Periorbital Rejuvenation: Approaches with Ablative and Nonablative Lasers. American Society for Laser Medicine and Surgery (ASLMS) Annual Meeting; San Diego, CA; April 29 2022.
3. **Hartman N**, Loyal J, Borsack S, Boen M, Goldman M. Laser Removal of Cosmetic Tattoos. American Society for Laser Medicine and Surgery (ASLMS) Annual Meeting; San Diego, CA; April 29 2022.
4. **Semsarzadeh N**, Khetarpal S. Calcium Hydroxylapatite Nodules Treated with Sodium Thiosulfate. American Society of Dermatologic Surgery (ASDS) Annual Meeting; Virtual; November 19-21, 2021.
5. **Semsarzadeh N**, Jeffrey McBride MD, Wilma Bergfeld MD, Allison Vidimos MD. Primary Cutaneous Endometriosis: Insight into Infertility. American Academy of Dermatology (AAD) VMX; Virtual; April 2021.
6. **Semsarzadeh N**, Khetarpal S. Calcium Hydroxylapatite Nodules Treated with Sodium Thiosulfate. Cleveland Dermatological Society (CDS) Meeting; Virtual; May 13, 2021.
7. **Semsarzadeh N**, Arbesman J. Nivolumab induced lipodystrophy. Cleveland Dermatological Society Meeting; Cleveland, OH; May 16, 2019.
8. **Semsarzadeh N**, Glaser K, Khanna U, Fernandez A. Erosive pustular dermatosis of the scalp secondary to sirolimus. Cleveland Dermatological Society Meeting; Cleveland, OH; May 16, 2019.

#### **Poster Presentations**

1. Agrawal S, **Semsarzadeh N**, Thrush J, Fernandez AP, Vij A. Cryptococcus: a cryptic source of lower extremity ulcerations in a transplant patient. American Academy of Dermatology (AAD); Baltimore, MD; March 2022.
2. **Semsarzadeh N**, Schowalter N, Bergfeld W, Tamburro J. Unusual Case of Sclerodermatomyositis in a Teenager. 55th Annual Meeting of The American Society of Dermatopathology (ASDP); Chicago, IL; November 2018.
3. **Semsarzadeh N**, Wong C, Piliang M, Irfan M. Unilateral linear basaloid follicular hamartoma in a healthy male infant. Ohio Dermatological Association 35<sup>th</sup> Annual Meeting; Columbus, OH; September 2018.
4. **Semsarzadeh NN**, Alawami E. Familial Cylindromatosis. 93rd Atlantic Dermatological Conference; Baltimore, MD; April 2016.
5. **Semsarzadeh NN**, Chopra K, Tadisina KK, Maddox J, Singh DP. Incisional negative pressure wound therapy is associated with decreased surgical site infections: a meta-analysis. Annual Medical Student Research Day at the University of Maryland School of Medicine; Baltimore MD; September 2014.

6. Larco DO, **Semsarzadeh NN**, Cho-Clark M, Wu TJ. Identification of the GnRH-(1-5) signaling pathway in immortalized GnRH neurons. 2013 Annual Meeting of the Endocrine Society; San Francisco, CA; May 2016.

**Languages Spoken:** English (fluent), Farsi (conversational)