

# CURRICULUM VITAE

## GREGORY E. LAKIN, M.D.

DATE AUGUST 5<sup>TH</sup>, 2022

### PERSONAL INFORMATION

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Name: Lakin, Gregory, Ethan

### Education

School: Pine Crest School, Fort Lauderdale, FL  
Degree: High School Diploma  
Dates: August 1981- June 1994

School: Duke University, Durham, NC  
Degree: BS in Spanish and Biology  
Dates: August 1994- June 1998

School: Duke-in-Spain Program, Madrid, Spain  
Degree: No degree (studied Spanish)  
Dates: May 1996 – July 1996

School: Duke-in-the-Andes Program, La Paz, Bolivia  
Degree: No degree (studied Spanish)  
Dates: August 1996 – December 1996

School: Universidad Autónoma de Guadalajara, Guadalajara, Mexico  
Degree: No degree (studied medicine)  
Dates: July 1998 – June 2001

School: Ponce School of Medicine, Ponce, Puerto Rico  
Degree: MD  
Dates: July 2001 – June 2004

School: Case Western Reserve University, Cleveland, OH  
Degree: MBA from Cleveland Clinic Foundation - Weatherhead School of Management  
Executive MBA Program  
Dates: July 2015 – May 2017

### Post-Graduate Training

Institution: University of Rochester, Rochester, NY  
Position: Intern, Coordinated General Surgery – Plastic Surgery Residency  
Dates: July 2004 – June 2005

Institution: University of Rochester, Rochester, NY  
Position: Resident, Coordinated General Surgery – Plastic Surgery Residency  
Dates: July 2005 – June 2006

Institution: University of Pennsylvania and Children's Hospital of Philadelphia, Philadelphia, PA  
Position: Fellow, Craniofacial Research  
Dates: July 2007 – June 2009

Institution: University of Rochester, Rochester, NY  
Position: Resident, Coordinated General Surgery – Plastic Surgery Residency  
Dates: July 2009 – June 2011

Institution: University of California, Los Angeles (UCLA)  
Position: Fellow, Craniofacial Surgery

Dates: July 2011 – June 2012

Institution: University Hospitals Leadership Academy  
Position: Inaugural Class Member, Center for Physician Leadership Program  
Dates: July 2015 – June 2016

**Contact Information**

Work Address: 24245 Karim Blvd  
Novi, MI 48375  
Work Phone: 248-306-8656  
Work Email: info@illumcosmeticsurgery.com

**PROFESSIONAL WORK HISTORY**

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Position/Rank: Chief  
Institution/Department: Plastic Surgery, University Hospitals Rainbow Babies and Children's Hospital  
Dates: July 2012 – August 2016

Position/Rank: Director  
Institution/Department: Craniofacial Center, University Hospitals Rainbow Babies and Children's Hospital  
Dates: July 2012 – August 2016

Position/Rank: Director  
Institution/Department: Vascular Anomalies Center, University Hospitals Rainbow Babies and Children's Hospital  
Dates: July 2012 – August 2016

Position/Rank: Plastic Surgeon  
Institution/Department: Skin Center  
Address: 6550 North Federal Highway, Fort Lauderdale, FL 33308  
Dates: September 2016 – September 2017

Position/Rank: Plastic Surgeon  
Institution/Department: South Florida Center for Cosmetic Surgery  
Address: 915 Middle River Drive, Suite 213, Fort Lauderdale, FL 33304  
Dates: September 2017 – February 2021

Position/Rank: Medical Director  
Institution/Department: Sono Bello  
Address: 101 W Big Beaver Rd #300, Troy, MI 48084  
Dates: February 2020 – Current

Position/Rank: Founder  
Institution/Department: Illum Cosmetic Surgery  
Address: 24245 Karim Blvd, Novi, MI 48375  
Dates: July 20<sup>th</sup>, 2020 – Current

**ACADEMIC APPOINTMENTS**

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Position/Rank: Assistant Professor, Secondary Appointment  
Institution/Department: Case Western Reserve University/Department of Neurosurgery  
Dates: February 2014 – August 2016

Position/Rank: Assistant Professor, Secondary Appointment  
Institution/Department: Case Western Reserve University/Department of Pediatrics  
Dates: July 2012 – August 2016

Position/Rank: Assistant Professor, Primary Appointment  
Institution/Department: Case Western Reserve University/Department of Plastic Surgery  
Dates: July 2012 – August 2016

Position/Rank: Instructor  
Institution/Department: University of California, Los Angeles (UCLA)/Division of Plastic Surgery  
Dates: July 2011 – July 2012

**CERTIFICATION AND LICENSURE**

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Name of Board: American Board of Plastic Surgery  
Date of Certificate: November 16, 2013  
Licensure State/Number: 110358  
Date Issued: November 16, 2013 – December 31, 2023

Name of Board: State of Michigan Board of Medicine  
Date of Certificate: October 29, 2019  
Licensure State/Number: 4301501042  
Date Issued: October 29, 2019 – October 29, 2022

Name of Board: State of Florida Medical Board  
Date of Certificate: May 6, 2016  
Licensure State/Number: ME128205  
Date Issued: May 6, 2016 – January 31, 2022

Name of Board: State of Ohio Medical Board  
Date of Certificate: August 10, 2012  
Licensure State/Number: 099884  
Date Issued: August 10, 2012 – July 1, 2018

Name of Board: Medical Board of California  
Date of Certificate: April 1, 2011  
Licensure State/Number: A116423  
Date Issued: April 1, 2011 – April 30, 2015

Name of Board: Pennsylvania Board of Medicine  
Date of Certificate: January 4, 2007  
Licensure State/Number: MD430636  
Date Issued: January 4, 2007 – December 31, 2012

**HONORS AND AWARDS**

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1994 Cum Laude, Esprit, and Athletic Graduation Awards, Pine Crest School  
2004 Who's Who Among Students in American Universities and Colleges, Ponce School of Medicine  
2004 Ponce School of Medicine, M.D. with clinical distinction  
2008 Plastic Surgery Educational Foundation Basic Research Grant Award  
2008 American Society of Maxillofacial Surgeons/Maxillofacial Surgeons Foundation Research Grant Award  
2009 American Cleft Palate-Craniofacial Association Paul W. Black Junior Investigator Award  
2009 American Society of Plastic Surgeons Grand Rounds Mentorship Program–Craniofacial Surgery  
2010 American Society of Plastic Surgeons Grand Rounds Mentorship Program–Craniofacial Surgery  
2010 Top Gun Award, Highest Percentile Rank on ASPS In-Service Exam, University of Rochester  
2010 American Association of Plastic Surgeons 3<sup>rd</sup> Place Resident Poster Competition  
2010 American Society of Maxillofacial Surgeons Resident Scholar  
2011 Joseph M. Serletti, M.D. Award for Excellence in Academic Plastic Surgery, U of Rochester  
2014 Honor Project Trust Grant Award \$50,000 cy pres award to benefit 501(c)(3) charitable organizations which demonstrate societal impact in the state of Ohio. Funds benefit UH Rainbow Babies & Children's Hospital pediatric plastic surgery craniofacial center programs and research  
2015 Case Western Reserve University Weatherhead School of Management Executive MBA Scholarship \$20,000  
2017 Beta Gamma Sigma Graduation Award, Case Western Reserve University Weatherhead School of Management Executive MBA Program  
2017 Realself Top Doctor Award  
2020 Sono Bello 5-Star Patient Review Award (Highest Number of 5 Star Reviews)

2021	Sono Bello Top 5 Weekly Reviews Award (out of 86 reviews)
2021	Sono Bello Top 5 Weekly Reviews Award (out of 111 reviews)
2021	Sono Bello Top 5 Weekly Reviews Award (out of 121 reviews)
2021	Sono Bello Performance Award for Surgical Skill, Interpersonal Relationships, Core Values & Citizenship
2021	Sono Bello Performance Award for Surgical Skill, Interpersonal Relationships, Core Values & Citizenship
2021	Sono Bello Patient Transformation Spotlight for creating a VIP experience (review selected by company President out of 2,566 patients)
2022	Sono Bello Surgeon Review Spotlight for being a Miracle Worker (sent by President to company)

## **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

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1999 – 2011	American Medical Students Association, Member
2008 – 2009	Robert H. Ivy Society of Plastic Surgeons, Resident Member
2008 – 2011	Northeastern Society of Plastic Surgeons, Resident Member
2008 – 2011	American Society for Reconstructive Transplantation, Trainee Member
2011 – 2012	American Society for Aesthetic Plastic Surgery, Resident Program
2012 – 2014	Authors Guild (Society of Published Book Authors), Member
2013 – 2016	Ohio Valley Society of Plastic Surgeons, Active Member
2007 – Present	American Society of Plastic Surgeons, Active Member
2008 – Present	American Society of Maxillofacial Surgeons, Active Member
2008 – Present	American Cleft Palate and Craniofacial Association, Member
2012 – Present	Florida's Voice on Developmental Disabilities, Member
2013 – Present	Operation Smile, Volunteer Surgeon
2013 – Present	American Society of Craniofacial Surgeons, Associate Member
2014 – Present	American Council of Academic Plastic Surgeons, Active Member
2016 – Present	Broward County Medical Association, Member
2016 – Present	Broward County Society of Plastic Surgeons, Member
2017 – Present	Lauderdale-by-the-Sea Chamber of Commerce, Member
2017 – Present	Greater Ft Lauderdale Chamber of Commerce, Member
2017 – Present	Riverwalk Fort Lauderdale, Trustee Member

## **PROFESSIONAL SERVICES**

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### **Ad-Hoc Reviewer (Peer-Reviewed Journals)**

Journal: Plastic and Reconstructive Surgery

Dates of Service: 2012 – Present

Journal: Cleft Palate Craniofacial Journal

Dates of Service: 2014 – 2016

Journal: Journal of Craniofacial Surgery

Dates of Service: 2015 – 2016

### **Ad Hoc Reviewer (Medical Books)**

Publisher: Thieme Publishers

Dates of Service: 2015 – 2016

### **Advisory Groups**

Title: Operation Smile Guwahati Comprehensive Cleft Care Centre Surgical Outcomes Program, External Reviewer

Dates of Service: 2014 – 2015

## **COMMITTEE SERVICE**

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### **National**

Organization: American Medical Students Association

Committee Name/Role: Board of Trustees/Member, Liaison to Educational Commission for Foreign Medical Graduates, Membership Benefits Committee/Member, Membership Recruitment and Fall Conference

Committee/Member

## **Gregory E. Lakin, MD**

Dates of Service: 2001 – 2002

Organization: American Society of Plastic Surgeons

Committee Name/Role, Dates of Service: Resident Coordinator 2008-2009, Grand Rounds Mentorship Program 2009 – 2011

Organization: American Society of Craniofacial Surgeons

Committee Name/Role: Program Committee/Member, Kawamoto Best Paper Award/Judge

Dates of Service: 2014 – 2015

Organization: American Council of Academic Plastic Surgeons

Committee Name/Role: Global Health Committee, Early Career Academic Plastic Surgeons Committee, Business of Plastic Surgery Committee

Dates of Service: 2015 – 2016

Organization: American Society of Maxillofacial Surgeons

Committee Name/Role: Membership Committee/Member 2013-2015, Best Paper Committee/Member 2013-2016, Ad Hoc Young Maxillofacial Surgeons Committee 2014 – 2015

### **Regional**

Organization: Flying Horse Farms, part of Paul Newman's SeriousFun Children's Network that provides transformative camp experiences for children with serious illnesses

Committee Name/Role: Board of Trustees/Member, Medical Advisory Board, Craniofacial Camp Founding Member, Camp Volunteer

Dates of Service: 2014 – 2016

Organization: Ohio Valley Society of Plastic Surgeons

Committee Name/Role: Annual Meeting 5K Fun Run Committee/Race Director 2013-2015, Resident Poster Competition Judge 2014 – 2015, Mock Oral Examiner 2014 – 2015

### **Local**

Organization: Pine Crest School, Ft Lauderdale, FL

Committee Name/Role: Pine Crest 25<sup>th</sup> Year Reunion/Class Co-Captain 2019, Pine Crest Fund Cabinet/Member 2019, Pine Crest Alumni Cabinet/Member 2019

### **Hospital Affiliate**

Committee Name/Role: Clinical Trustee for North America, North American Students Association, Universidad Autónoma de Guadalajara. Guadalajara, Mexico.

Dates of Service: 1999 – 2000

Committee Name/Role: Founder and Chair, Fifth Pathway Committee, Universidad Autónoma de Guadalajara. Guadalajara, Mexico.

Dates of Service: 1999 – 2000

Committee Name/Role: Class Vice-President, Universidad Autónoma de Guadalajara. Guadalajara, Mexico.

Dates of Service: 2000 – 2001

Committee Name/Role: Senator, Academic Senate, Ponce School of Medicine. Ponce, Puerto Rico.

Dates of Service: 2001 – 2002

Committee Name/Role: President, Surgery Interest Group, Ponce School of Medicine. Ponce, Puerto Rico.

Dates of Service: 2003 – 2004

Committee Name/Role: Member, Patient Safety Committee, University of Rochester. Rochester, NY.

Dates of Service: 2006 – 2007

Committee Name/Role: Member, Annual Toy Drive Committee, UH Rainbow Babies & Children's Hospitals. Cleveland, OH.

Dates of Service: 2012 – 2014

## **Gregory E. Lakin, MD**

Committee Name/Role: Honorary Chairman, Dworken and Bernstein Save a Smile, Save a Child Committee, UH Rainbow Babies & Children's Hospital. Cleveland, OH

Dates of Service: 2012 – 2013 Raised \$130,000 through annual benefit

Dates of Service: 2013 – 2014 Raised \$7,500 through charity golf outing

Dates of Service: 2014 – 2015 Raised \$100,000 through annual benefit and \$1,500 from Direct Consulting Associates

Committee Name/Role: Member, Ambulatory Electronic Medical Record Committee, Department of Plastic Surgery, Case Western Reserve University School of Medicine. Cleveland, OH.

Dates of Service: 2013 – 2014

Committee Name/Role: Member, Strategic Planning Committee, Craniofacial Center, UH Rainbow Babies & Children's Hospital. Cleveland, OH.

Dates of Service: 2013 – 2014

Committee Name/Role: Member, Planning Committee, Ride the Rainbow Fundraiser, UH Rainbow Babies & Children's Hospital. Cleveland, OH.

Dates of Service: 2013 – 2014

Committee Name/Role: Member, Global Health Interest Group, Case Western Reserve University School of Medicine. Cleveland, OH

Dates of Service: 2014 – 2015

Committee Name/Role: Member, Voice of the Customer Focus Group, Case Western Reserve University School of Medicine. Cleveland, OH

Dates of Service: 2015 – 2016

Committee Name/Role: Member, Craniofacial Center Annual Summer Picnic Committee, UH Rainbow Babies & Children's Hospitals. Cleveland, OH.

Dates of Service: 2013 – 2016

Committee Name/Role: Member, Craniofacial Center College and Vocational School Scholarship Committee, UH Rainbow Babies & Children's Hospital. Cleveland, OH.

Dates of Service: 2013 – 2016

Committee Name/Role: Member, Pediatric Surgical Subspecialist Executive Committee, UH Rainbow Babies & Children's Hospital. Cleveland, OH.

Dates of Service: 2014 – 2016

### **Educational Committees**

Committee Name/Role: Student Representative, Liaison Committee on Medical Education, Ponce School of Medicine. Ponce, Puerto Rico.

Dates of Service: 2001 – 2002

Committee Name/Role: Member, Surgical Education Committee, University of Rochester. Rochester, NY.

Dates of Service: 2009 – 2010

Committee Name/Role: Interviewer, Duke University Alumni Admissions Advisory Committee (AAAC)

Dates of Service: 2012 – Present

Committee Name/Role: Chair, Annual Program Evaluation Committee, Case Western Reserve University School of Medicine, Cleveland, OH

Dates of Service: 2015 – 2016

Committee Name/Role: Chair, Plastic Surgery Resident Core Curriculum Committee, Case Western Reserve University School of Medicine. Cleveland, OH.

Dates of Service: 2013 – 2016

Committee Name/Role: Member, Clinical Competency Committee, Case Western Reserve University School of Medicine. Cleveland, OH

Dates of Service: 2014 – 2016

## **TEACHING ACTIVITIES**

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### **Curriculum/Course Development**

1. Title: Microsurgery Skills Laboratory Coordinator (rat model)  
Group: Department of Plastic Surgery, University of Pennsylvania, Philadelphia, PA. 2 Plastic Surgery Residents per year.  
Date: 2007-2009  
Time dedicated to activity: Two hours every month
2. Title: Microsurgery Skills Laboratory Coordinator (chicken model)  
Group: Division of Plastic Surgery, University of Rochester, Rochester, NY. 12 Plastic Surgery Residents per year.  
Date: 2009-2010  
Time dedicated to activity: Two hours every 3 months
3. Title: Craniofacial In Service Review Course. Responsible for coordinating 12 lectures and assigned readings to review craniofacial and pediatric plastic surgery in-service exam topics: Cleft Lip and Palate; Craniosynostosis and Craniofacial Syndromes; Ear Reconstruction; Eyelid and Lacrimal Gland Facial Paralysis; Head and Neck Tumors, Salivary Gland Tumors, Lip, and Scalp; Hemangiomas and Vascular Malformations; Mandible Reconstruction; Maxillofacial Trauma; Nasal Reconstruction; Orthognathic, TMJ, and Chin; Tessier Clefts.  
Group: Department of Plastic Surgery, Case Western Reserve University. Cleveland, OH. 12 Plastic Surgery Residents per year.  
Date: 2013-2014  
Time dedicated to activity: Two hours every month
4. Title: Plastic Surgery Resident In Service Review Course. Responsible for designing and teaching plastic surgery residents a 2-year curriculum covering the entire spectrum of plastic surgery (comprehensive plastic surgery, craniomaxillofacial surgery, breast and cosmetic surgery, and hand and lower extremity surgery) based on selected readings including my plastic surgery review book.  
Group: Department of Plastic Surgery, Case Western Reserve University. Cleveland, OH. 12 Plastic Surgery Residents per year.  
Date: 2015-Present  
Time dedicated to activity: Two hours every other week

### **International Invited Oral Presentation**

1. Okada H, Alleyne B, Leuchtag RM, **GE Lakin**. Cleft and Craniofacial Clinic Formats in the United States: National and Institutional Survey. 15<sup>th</sup> Biennial Congress of the International Society of Craniofacial Surgeons in Jackson Hole, Wyoming, USA, September 11-15, 2013.

### **International Invited Poster Presentation**

1. **Lakin GE**, Kawamoto HK. Le Fort II Osteotomy: A 30 Year Experience. 12<sup>th</sup> International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies in Orlando, Florida, USA, May 5-10, 2013.

### **National Invited Oral Presentations**

1. **Lakin GE**, Spivak RM, Zajac A, Dienno JJ, Davis PF, Zoltick PW, Kirschner RE, Nah HD. Adenovirus Encoding the IRF6 Gene Partially Rescues the Fusion Defect in a TGF-beta3-/- Mouse Embryonic Palatal Organ Culture. Junior Investigator Competition at the 65<sup>th</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association in Philadelphia, PA, April 14-18<sup>th</sup>, 2008.
2. **Lakin GE**, Zoltick PW, Zajac A, Kirschner RE, Nah HD. Discovery of a New Molecular Pathway in Palatogenesis: IRF6 is an Important Downstream Effector of TGF-beta3 Signaling in Palatal Fusion. 88<sup>th</sup> Annual Meeting of the American Association of Plastic Surgeons in Rancho Mirage, CA, March 21-25, 2009.
3. **Lakin GE**, Dienno JJ, Yang BH, Zoltick PW, Kallwaard NL, Bergelson JM, Kirschner RE, Nah HD. Adenoviral Tropism Towards the Medial Edge Epithelium of the Embryonic Mouse Palatal Shelf Correlates with Coxsackievirus and Adenovirus Receptor (CAR) Expression. Awarded the Paul W. Black Junior Investigator Award at the 66<sup>th</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association in Scottsdale, AZ, April 20-25, 2009.
4. Moderator. Junior Investigator Competition at the 67<sup>th</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association in Fort Worth, TX, March 15-20, 2010.

## **Gregory E. Lakin, MD**

5. Vascular Anomalies: Categorization, Evaluation, and Treatment. Plastic Surgery Grand Rounds. University of California San Diego in San Diego, CA, June 4<sup>th</sup>, 2014.
6. Craniofacial Surgery: From Tessier to Current Concepts. Plastic Surgery Grand Rounds. University of California San Diego in San Diego, CA, June 4<sup>th</sup>, 2014.
7. Kawamoto Lectureship Case Presentations. University of California, Los Angeles in Los Angeles, CA, February 7<sup>th</sup>, 2014.
8. Pourtaheri N, Anderson C, Blankfield D, Kearney A, Wan D, **Lakin GE**. Impact of a Cleft and Craniofacial Center on a Health Care System. 94<sup>th</sup> Annual Meeting of the American Association of Plastic Surgeons in Scottsdale, AZ, April 11-14, 2015.
9. Ascha M, McDaniel J, Link I, **Lakin GE**. Social and Support Services Offered by Craniofacial Centers: A National Survey and Institutional Experience. 72<sup>nd</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association in Palm Springs, CA, April 20-25, 2015.
10. Pourtaheri N, Anderson C, Blankfield D, Kearney A, Wan D, **Lakin GE**. Impact of a Cleft and Craniofacial Center on a Health Care System. 72<sup>nd</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association in Palm Springs, CA, April 20-25, 2015.
11. **Lakin GE**, Pourtaheri N, Anderson C, Blankfield D, Kearney A, Wan D. Impact of a Cleft and Craniofacial Center on a Health Care System. Whitaker Lectureship alumni presentation at the University of Pennsylvania in Philadelphia, PA, June 12-13, 2015.
12. **Lakin GE**. Panel on Quality of Life and Outreach Programming for Cleft and Craniofacial Patients: The UH Rainbow Babies & Children's Hospital Experience. 27<sup>th</sup> Annual Meeting of the Tri-State Craniofacial Conference in Indianapolis, IN, October 2, 2015.
13. **Lakin GE**, Pourtaheri N, Anderson C, Blankfield D, Kearney A, Wan D. Impact of a Cleft and Craniofacial Center on a Health Care System. Alumni presentation at the University of Rochester in Rochester, NY, October 3, 2015.
14. Pourtaheri N, Reeves HM, Nofal J, Capetillo A, Berkelhamer M, Downes KA, **Lakin GE**. Impact of Blood Ordering Protocol on Patients Undergoing Cranial Vault Remodeling. 73<sup>rd</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association in Atlanta, GA, April 4-9, 2016.
15. Kurlander DE, Ascha M, Marshall D, Wang D, Ascha MS, Tripi PA, Reeves HM, Downes KA, Ahuja S, Rotta AT, Tomei K, **Lakin GE**. Striving for Transfusion-Free Open Cranial Vault Remodeling: A Novel Protocol. 85<sup>th</sup> Annual Meeting of the American Society of Plastic Surgeons Annual Meeting in Orlando, Florida, October 9, 2017.

### **National Invited Poster Presentations**

1. **Lakin GE**, Sinkin JC, Koltz PF, Giroto JA. Craniosynostosis in Twins: A Systematic Review and Meta-Analysis. 67<sup>th</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association in Fort Worth, TX, March 15-20, 2010.
2. **Lakin GE**, Salhab I, Dienno JJ, Yang BH, Zoltick PW, Kallwaard NL, Bergelson JM, Kirschner RE, Nah HD. Detection of a Target Receptor for Adenoviral Mediated Gene Delivery to the Palate: The Coxsackievirus and Adenovirus Receptor (CAR). Resident Poster Competition 3<sup>rd</sup> Place Award at the 89<sup>th</sup> Annual Meeting of the American Association of Plastic Surgeons in San Antonio, TX, March 20-23, 2010.
3. **Lakin GE**, Giroto JA, Bloom JM, Herrera RH, Langstein HN. Validation of a Microsurgical Skills Lab: A New Paradigm to Train Microsurgery. 90<sup>th</sup> Annual Meeting of the American Association of Plastic Surgeons in Boca Raton, FL, April 9-12, 2011.
4. Brown M, Okada H, **Lakin GE**. Simultaneous Le Fort III – Le Fort I Osteotomy: Systematic Literature Review and Case Presentation. 93<sup>rd</sup> Annual Meeting of the American Association of Plastic Surgeons in Miami Beach, Florida, April 5-8, 2014.
5. Harvey DJ, Sarma H, **Lakin GE**. A Novel Single-Stage Technique for the Treatment of Soft Tissue in a Tessier No. 4 Cleft. 94<sup>th</sup> Annual Meeting of the American Association of Plastic Surgeons in Scottsdale, AZ, April 11-14, 2015.
6. Harvey DJ, Wanta J, Link I, Becker D, Rowe D, Soltanian H, **Lakin GE**. National Survey Studying the Psychosocial Benefits of Residential Camp on Craniofacial Patients. 73<sup>rd</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association in Atlanta, GA, April 4-9, 2016.

### **Regional Invited Oral Presentations**

1. **Lakin GE**, Zoltick PW, Zajac A, Kirschner RE, Nah HD. The Molecular Regulation of Palatogenesis: Adenovirus-Mediated IRF6 Transduction of the Medial Edge Epithelium Rescues the Fusion Defect of the TGF-beta3<sup>-/-</sup> Mouse Palate in Organ Culture. 25<sup>th</sup> Annual Meeting of the Northeastern Society of Plastic Surgeons in Philadelphia, PA, October 2-5, 2008.
2. **Lakin GE**, Dienno JJ, Zoltick PW, Kallwaard NL, Bergelson JM, Kirschner RE, Nah HD. Coxsackievirus and Adenovirus Receptor Expression Correlates with Adenoviral Tropism Towards the Embryonic Mouse



## Gregory E. Lakin, MD

Palate. 55<sup>th</sup> Annual Meeting of the Robert H. Ivy Society of Plastic Surgeons in Pittsburgh, PA, April 17-18, 2009.

3. **Lakin GE**, Salhab I, Dienno JJ, Yang BH, Zoltick PW, Kallwaard NL, Bergelson JM, Kirschner RE, Nah HD. Identification of a Target Receptor for Adenoviral Mediated Gene Delivery to the Palate: The Coxsackievirus and Adenovirus Receptor (CAR). 26<sup>th</sup> Annual Meeting of the Northeastern Society of Plastic Surgeons in Charleston, SC, Sept 23-27, 2009.
4. Pourtaheri N, Anderson C, Blankfield D, Kearney A, Wan D, **Lakin GE**. Impact of a Cleft and Craniofacial Center on a Health Care System. 58<sup>th</sup> Annual Meeting of the Ohio Valley Society of Plastic Surgeons in Covington, KY, May 29-31, 2015.
5. **Lakin GE**. Panel on UH Rainbow Babies & Children's Hospital Cleft and Craniofacial Center: Team Care. Cleft and Craniofacial Surgery Aspects of Team Care. 28<sup>th</sup> Annual Meeting of the Tri-State Craniofacial Conference in Mt. Gilead, OH, October 7, 2016.
6. **Lakin GE**, Anderson C. Panel on Financial Impact of Craniofacial Center and Funding of Team Care. Financial Impact of Craniofacial Center on a Health Care System. 28<sup>th</sup> Annual Meeting of the Tri-State Craniofacial Conference in Mt. Gilead, OH, October 7, 2016.

### Regional Invited Poster Presentations

1. Okada H, Alleyne B, Leuchtag RM, **Lakin GE**. National and Institutional Survey on Cleft and Craniofacial Clinic Formats. 56<sup>th</sup> Annual Meeting of the Ohio Valley Society of Plastic Surgeons in Indianapolis, Indiana, May 17-19, 2013.
2. Brown MS, Okada H, **Lakin GE**. Combined Le Fort III – Le Fort I Osteotomy: Systematic Literature Review and Case Presentation. 56<sup>th</sup> Annual Meeting of the Ohio Valley Society of Plastic Surgeons in Indianapolis, Indiana, May 17-19, 2013.
3. McDaniel JM, Link I, **Lakin GE**. Funding of Team Care: National Survey and Institutional Experience on Social and Support Services Offered by Cleft and Craniofacial Teams. 57<sup>th</sup> Annual Meeting of the Ohio Valley Society of Plastic Surgeons in Sulphur Springs, West Virginia, June 6-7, 2014.
4. Harvey DJ, Sarma H, **Lakin GE**. A Novel Single-Staged Technique for the Treatment of Soft Tissue in a Tessier No. 4 Cleft. 58<sup>th</sup> Annual Meeting of the Ohio Valley Society of Plastic Surgeons in Covington, KY, May 29-31, 2015.
5. Wanta J, Gatherwright J, Becker D, Rowe D, Soltanian H, Rosen C, **Lakin GE**. Successful Treatment of Severe Obstructive Sleep Apnea in an Infant with Hemifacial Microsomia using a Costochondral Graft. 58<sup>th</sup> Annual Meeting of the Ohio Valley Society of Plastic Surgeons in Covington, KY, May 29-31, 2015.
6. Nahabet E, Gatherwright J, Vockley G, Henderson N, Tomei K, Grigorian P, Kaminski B, Bass N, Selman W, **Lakin GE**. Progressive Postnatal Pancraniosynostosis in a Patient with Infantile Hypophosphatasia. 58<sup>th</sup> Annual Meeting of the Ohio Valley Society of Plastic Surgeons in Covington, KY, May 29-31, 2015.
7. Kurlander DE, Ascha M, Marshall D, Wang D, Ascha M, Tripi PA, Reeves HM, Downes KA, Ahuja S, Rotta AT, Tomei K, **Lakin GE**. Striving for Transfusion-Free Open Cranial Vault Remodeling: A Novel Protocol. 60<sup>th</sup> Annual Meeting of the Ohio Valley Society of Plastic Surgeons in Pittsburgh, PA, June 2, 2017.

### Local Invited Presentations

1. The Molecular Regulation of Palatogenesis: IRF6 is an Important Downstream Effector of TGF $\beta$ 3 Signaling in Palatal Development. The Children's Hospital of Philadelphia Pathology Core Laboratories. Philadelphia, PA. 2008.
2. Lab Fellows Talk. Plastic Surgery Grand Rounds. University of Pennsylvania. Philadelphia, PA. 2008.
3. **Lakin GE**, Zoltick PW, Salhab I, Kallewaard NL, Bergelson JM, Kirschner RE, Nah HD. Overexpression of IRF6 in the Medial Edge Epithelium of Embryonic Palatal Shelves Rescues the Fusion Defect in a TGF- $\beta$ 3<sup>-/-</sup> Mouse Palate in Organ Culture. 19<sup>th</sup> Annual Children's Hospital of Philadelphia Research Poster Day in Philadelphia, PA, February 25<sup>th</sup>, 2009.
4. Lab Fellows Talk. Plastic Surgery Grand Rounds. University of Pennsylvania. Philadelphia, PA. 2009.
5. Transplant Immunology 101. Plastic Surgery Grand Rounds. University of Rochester. Rochester, NY. 2009.
6. Fat Grafting: Basic Science and Clinical Innovations. Plastic Surgery Grand Rounds. University of Rochester. Rochester, NY. 2010.
7. Primary Cosmetic Rhinoplasty: Basic Principles and Techniques. Plastic Surgery Grand Rounds. University of Rochester. Rochester, NY. 2011.
8. Pediatric Facial Trauma. University of Rochester Multidisciplinary Maxillofacial Trauma – Facial Reconstructive Surgery Conference Lecture Series. University of Rochester. Rochester, NY. 2011.
9. Chief Resident Cosmetic Clinic Presentation. University of Rochester. Rochester, NY. 2011.

## **Gregory E. Lakin, MD**

10. Lessons from Crossing the Finish Line. Plastic Surgery Residency Graduation Presentation. University of Rochester. Rochester, NY. 2011.
11. Orthognathic Surgery. UCLA Resident Education Lecture. Los Angeles, CA. 2012.
12. Congenital and Post-traumatic Periorbital Deformities. Conjoint Oculoplastics Symposium. Cleveland, OH. September 29<sup>th</sup>, 2012.
13. Craniofacial Anomalies. Dental School Resident Education Lecture. Case Western Reserve University. Cleveland, OH. November 9<sup>th</sup>, 2012.
14. Vascular Anomalies. Plastic Surgery Core Curriculum Conference. Case Western Reserve University. Cleveland, OH. January 7<sup>th</sup>, 2013.
15. Orthognathic Surgery for Sleep Apnea. Sleep Medicine Grand Rounds. Case Western Reserve University. Cleveland, OH. January 30<sup>th</sup>, 2013.
16. Cleft Lip and Palate. Otolaryngology Resident Education Lecture. Case Western Reserve University School of Medicine. Cleveland, OH. February 6<sup>th</sup>, 2013.
17. Panel. Operation Smile Club, Case Western Reserve University. Cleveland, OH. March 22, 2013.
18. Congenital and Post-traumatic Periorbital Deformities. Conjoint Oculoplastics Symposium. Cleveland, OH. September 7<sup>th</sup>, 2013.
19. Craniofacial Anomalies. Genetics Grand Rounds. Case Western Reserve University. Cleveland, OH. January 24<sup>th</sup>, 2014.
20. Craniofacial Anomalies. Ophthalmology Resident Education Lecture. Case Western Reserve University. Cleveland, OH. January 30<sup>th</sup>, 2014.
21. Craniofacial and Vascular Anomalies. Dermatology Grand Rounds. Case Western Reserve University. Cleveland, OH. February 13<sup>th</sup>, 2014.
22. Microtia Reconstruction. Otolaryngology Resident Education Lecture. Case Western Reserve University School of Medicine. Cleveland, OH. March 12<sup>th</sup>, 2014.
23. Craniofacial Surgery. Dental School Resident Education Lecture. Case Western Reserve University. Cleveland, OH. April 4<sup>th</sup>, 2014.
24. Panel. Operation Smile Club, Case Western Reserve University. Cleveland, OH. April 18<sup>th</sup>, 2014.
25. Helmet Therapy: Science Behind It, Diagnosis, and Treatment Options. Senders Pediatrics. Cleveland, OH. May 27<sup>th</sup>, 2014
26. Webinar: Ear Pinning and Pediatric Nose Job. Cleveland, OH. July 16<sup>th</sup>, 2014.
27. Webinar: Plastic Surgery for Birth Defects, Trauma and Tumors. Cleveland, OH. August 14<sup>th</sup>, 2014.
28. Webinar: Body Contouring and Skin Blemish Removal. Cleveland, OH. September 11<sup>th</sup>, 2014.
29. Moderator. Conjoint Oculoplastics Symposium. Cleveland, OH. November 1<sup>st</sup>, 2014.
30. Panel. Conjoint Oculoplastics Symposium. Cleveland, OH. November 1<sup>st</sup>, 2014.
31. Correction of Periorbital Congenital and Traumatic Deformities. Conjoint Oculoplastics Symposium. Cleveland, OH. November 1<sup>st</sup>, 2014.
32. Craniofacial Surgery. Dental School Resident Education Lecture. Case Western Reserve University. Cleveland, OH. January 9<sup>th</sup>, 2015.
33. Case Western Reserve University Global Medical Brigades Hope for Honduras Benefit Dinner. Cleveland, OH. April 2, 2015.
34. Craniofacial and Vascular Anomaly Syndromes with Dermatologic Findings. Dermatology Grand Rounds. Case Western Reserve University. Cleveland, OH. May 21<sup>st</sup>, 2015.
35. Cleft and Craniofacial Anomalies. Flying Horse Farms Craniofacial Camp. Mt. Gilead, OH. July 29<sup>th</sup>, 2015.
36. Case Western Reserve University Operation Smile Club Case Presentations. Cleveland, OH. February 24, 2016.
37. Craniofacial Anomalies. Dental School Resident Education Lecture. Case Western Reserve University. Cleveland, OH. May 13<sup>th</sup>, 2016.
38. Plastic Surgery. Holy Cross Hospital Peter Pan Diner Talk. Oakland Park Kiwanis Club, Oakland Park, FL. March 22<sup>nd</sup>, 2017.
39. Plastic Surgery. The Rotary Club of Ft Lauderdale North Beach, Coral Ridge Yacht Club, Ft Lauderdale, FL. May 18<sup>th</sup>, 2017.
40. Non-Surgical Vaginal Rejuvenation, Skin Center, Ft Lauderdale. July 13, 2017.
41. Plastic Surgery: You Think You're Too Old But You're Not! John Knox Village. Pompano Beach, FL. August 3<sup>rd</sup>, 2017.

### **Visiting Professorships**

1. University of California San Diego Department of Plastic Surgery. San Diego, CA. June 4, 2014
2. Operation Smile Guwahati Comprehensive Cleft Centre. Guwahati, India. September 1-5, 2014

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3. Operation Smile Guwahati Comprehensive Cleft Centre. Guwahati, India. September 16-20, 2015

**Scientific Conference Program Director**

1. 1<sup>st</sup> Annual Joint Oculoplastics Symposium. Co-Director. Cleveland, OH. September 29, 2012
2. 2<sup>nd</sup> Annual Joint Oculoplastics Symposium. Co-Director. Cleveland, OH. September 7, 2013
3. 3<sup>rd</sup> Annual Joint Oculoplastics Symposium. Co-Director. Cleveland, OH. November 1, 2014
4. 28<sup>th</sup> Annual Tri-State Craniofacial Conference. Co-Director. Mt. Gilead, OH. October 7, 2016

**Trainees / Mentees**

Trainee/Mentee	Name	Years of Training	Institution	Current Status
Elementary School Student	1. Saechow Yap	2015 – 2016	University School	7 <sup>th</sup> grade student, pre-med
High School Student	1. Christina Kerner	2015 – 2016	Beaumont High School. Project REAL.	Harvard University, interested in plastic surgery
Undergraduate Students	1. Garrett Stoltzfus	2013 – 2014	Case Western Reserve University	University of Central Florida College of Medicine
	2. Gabrielle Kelly	2012 – 2014	Case Western Reserve University	Oregon Health & Science University School of Medicine, Portland, OR
	3. Jeffrey Cheng	2013 – 2014	Case Western Reserve University	Master of Science in Anesthesia, Case Western Reserve University
	4. Hirsh Shah	2013 – 2016	Case Western Reserve University	He will do a research fellowship then apply to medical school
	5. Courtney Eng	2013 – 2016	Case Western Reserve University	Applying to medical schools
	6. Brenna Harrington	2013 – 2016	Case Western Reserve University	Univ of Pennsylvania Dental School Student
	7. Aubree Laforce	2015 – 2016	Mt. Vernon University	Applying to medical school
	8. Aya Tal Mason	2017-2018	Florida Atlantic University	Applying to medical school
Medical Students	1. Tayseer Chowdhry, MD	2012 – 2013	Howard University	General surgery resident, Georgia Regents University, Augusta, GA
	2. Alexandra Junewicz, MD	2012 – 2013	Case Western Reserve University	Psychiatry resident, New York University, NY, NY
	3. Brendan Alleyne, MD	2012 – 2014	Case Western Reserve University	Plastic surgery resident, Cleveland Clinic Foundation
	4. Paul Adenuga, MD.	2013 – 2014	Case Western Reserve University	Plastic surgery resident, University of Pittsburgh Medical Center (UPMC)
	5. Mengyuan (Tommy) Liu, MD	2013 – 2014	Case Western Reserve University	Plastic surgery resident, University of Washington, Seattle, WA.
	6. Mona Ascha	2013 – 2016	Case Western Reserve University	Plastic surgery resident, Case Western Reserve University
	7. Cameron Erickson, MD	2014 – 2015	Northeast Ohio Medical University	Plastic surgery resident, University of Texas SouthWestern

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	8. Rodrigo Iglesias, MD	2014 – 2015	Case Western Reserve University	Applying to anesthesiology residency
	9. Corey Murphy, MD	2014 – 2015	Northeast Ohio Medical University	Prelim surgery resident, UPMC Mercy Hospital
	10. Samantha Zwiebel	2014 – 2015	Case Western Reserve University	Psychiatry resident, University of Kentucky
	11. Aaron Kearney	2014 – 2016	Case Western Reserve University	Plastic surgery resident, Northwestern
	12. Edward Nahabet	2014 – 2016	Case Western Reserve University	Plastic surgery resident, UCLA
	13. Jonathan Wanta	2014 – 2016	Case Western Reserve University	Applying to plastic surgery resident
	14. Emily Wirtz	2014 – 2016	Case Western Reserve University	Applying to plastic surgery residency
	15. Derek Wang	2015 – 2016	Case Western Reserve University	Applying to plastic surgery residency
	16. Jacob Thayer	2015 – 2016	Medical College of Wisconsin	Applying to plastic surgery residency
	17. Susi Orra	2015 – 2016	Cleveland Clinic Lerner College of Medicine	Plastic surgery resident, Georgetown
	18. Danielle Marshall	2015 – 2016	Case Western Reserve University	Applying to plastic surgery residency
	19. Andrew Johnson	2015 – 2016	Case Western Reserve University	Interested in pediatric surgery
	20. Kyle Rismiller	2015 – 2016	Case Western Reserve University	Interested in plastic surgery
Department of Plastic Surgery Residents	1. Harvey Chim, MD	2012 – 2013	Case Western Reserve University	Practices at University of Miami in Miami, FL
	2. Kyle Chepla, MD	2012 – 2013	Case Western Reserve University	Practices at MetroHealth in Cleveland, OH
	3. Jarred McDaniel, MD	2012 – 2014	Case Western Reserve University	Practices in Billings, MT
	4. Haruko Okada, MD	2012 – 2014	Case Western Reserve University	Practices at Ohio State University, Columbus, OH
	5. Matthew Brown, MD	2012 – 2015	Case Western Reserve University	University of Michigan hand fellow, Ann Arbor, MI
	6. Michelle Lee, MD	2012 – 2015	Case Western Reserve University	Beth Israel Deaconess breast and microsurgery fellow, Boston, MA
	7. James Gatherwright, MD	2012 – 2016	Case Western Reserve University	Cleveland Clinic Foundation microsurgery fellow
	8. Donald Harvey, MD	2012 – 2016	Case Western Reserve University	Microsurgery fellow with Dr. Steven Vega in Rochester, NY
	9. Lauren Chmielewski, MD	2012 – 2016	Case Western Reserve University	6 <sup>th</sup> year resident
	10. Kris Katira, MD	2012 – 2016	Case Western Reserve University	6 <sup>th</sup> year resident
	11. Tobias Long, MD	2012 – 2016	Case Western Reserve University	5 <sup>th</sup> year resident
	12. Kyle Lineberry, MD	2012 – 2016	Case Western Reserve University	5 <sup>th</sup> year resident

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	13. David Kurlander, MD	2013 – 2016	Case Western Reserve University	4 <sup>th</sup> year resident
	14. Yuewei Wu-Fienberg, MD	2013 – 2016	Case Western Reserve University	4 <sup>th</sup> year resident
	15. Ji Son, MD	2014 – 2016	Case Western Reserve University	3 <sup>rd</sup> year resident
	16. Navid Pourtaheri, MD	2014 – 2016	Case Western Reserve University	3 <sup>rd</sup> year resident
	17. Ayesha Punjabi, MD	2014 – 2016	Case Western Reserve University	2 <sup>nd</sup> year resident
	18. Christina Vargas, MD	2014 – 2016	Case Western Reserve University	2 <sup>nd</sup> year resident
	19. Sven Gunther, MD	2016 – 2017	Case Western Reserve University	1 <sup>st</sup> year resident
	20. Katherine Grunzweig, MD	2016 – 2017	Case Western Reserve University	1 <sup>st</sup> year resident
Department of Family Medicine Residents. Provide outpatient clinic rotation experience for 3 <sup>rd</sup> year family medicine residents. 4 residents per year. 8 hrs per wk.	1. Pamela Mcgrogan, MD	2015 – 2016	Case Western Reserve University	Practices at Cleveland Clinic Foundation
	2. Raymond Ng, MD	2015 – 2016	Case Western Reserve University	3 <sup>rd</sup> year family medicine resident
	3. Faraz Ahmad, MD	2015 – 2016	Case Western Reserve University	3 <sup>rd</sup> year family medicine resident
	4. Ojoma Emono, MD	2015 – 2016	Case Western Reserve University	3 <sup>rd</sup> year family medicine resident
	5. Sarah Sweeney, MD	2015 – 2016	Case Western Reserve University	3 <sup>rd</sup> year family medicine resident
	6. Farhan Rehman, MD	2015 – 2016	Case Western Reserve University	3 <sup>rd</sup> year family medicine resident
	7. Tara Kantharaj, MD	2015 – 2016	Case Western Reserve University	3 <sup>rd</sup> year family medicine resident
	8. Adithi Naidu, MD	2015 – 2016	Case Western Reserve University	3 <sup>rd</sup> year family medicine resident
	9. Matthew Goldman	2015 – 2016	Case Western Reserve University	3 <sup>rd</sup> year family medicine resident
Craniofacial, Surgical, and Special Care Orthodontics Fellowship. Department of Orthodontics. Case discussions and craniofacial clinic conferences every other week. Fellow participates in model surgery and assists in the operating room.	1. Carlos Caballero, DDS, CAGS, MS, MSD	2012 – 2013	Case Western Reserve University School of Dentistry	Practices in Ft. Worth, TX
	2. Tasha Metzger, DMD, MSD	2013 – 2014	Case Western Reserve University School of Dentistry	Practices at Indiana University School of Medicine in Indianapolis, IN
	3. Michael Maroulakos, DDS, MSD	2014 – 2015	Case Western Reserve University School of Dentistry	Practices in Athens, Greece
	4. Sorapan Smuthkochorn, DDS, MSD	2015 – 2016	Case Western Reserve University School of Dentistry	Practices in Bangkok, Thailand
	5. Suliman Shahin, BDS, CAGS, DScD	2015 – 2016	Case Western Reserve University School of Dentistry	Will practice in Saudi Arabia
	6. Nicholas Kochenour, DMD, MSD	2016 – 2017	Case Western Reserve University School of Dentistry	Will practice in Florida
	7. Mohamed Bazina, DMD	2016 – 2017		

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Cleveland Clinical Foundation and Akron Children's Hospital Craniofacial Surgery Fellowship. Journal club discussions 2 hours every month	1. Ivo Gwanmesia, BSc, MSc, MB ChB, MRCS, FRCS (Plast)	2013 – 2014	Cleveland Clinic Foundation and Akron Children's Hospital	Practices in London, England
	2. Bahar Bassiri, MD	2013 – 2014	Cleveland Clinic Foundation and Akron Children's Hospital	Practices at Cleveland Clinic Foundation, Cleveland, OH
Vascular Anomalies Clinic. 4 hours per month.	1. Heather Cohn, MD, PhD	2012 – 2014	Dermatology Resident, Case Western Reserve University	Stanford University School of Medicine Pediatric Dermatology Fellow
	2. Lorena Vidal, MD	2013 – 2016	Department of Radiology Fellow in neuroradiology, body imaging, and nuclear medicine imaging, Case Western Reserve University	Texas Children's Hospital Pediatric Neuroradiology Fellow
International. One month rotations. 40 hours per week.	1. Animesh Vadaparti	June – July, 2015	Undergraduate, Carleton University, Ottawa, Canada	Interested in plastic surgery
	2. Vania Kharmandayan, MD	October 2014	Plastic Surgery Resident, Red Cross, Sao Paulo, Brazil	Applying to pediatric plastic surgery fellowships
	3. Sarut (Pong) Chairsisawadisuk, MD	March 2014	Plastic Surgery Resident, Siriraj Hospital, Mahidol University, Thailand	Interested in craniofacial surgery
	4. Amr Elmekresh	July 2016	Medical Student, Sharjah College of Medicine, Abu Dhabi, UAE	Applying to plastic surgery residency

**Teaching Administration**

1. Clerkship Director, UH Rainbow Babies & Children's Hospital, 2012 – 2016

**Teaching Activities**

1. Attending Rounds, Department of Plastic Surgery, Case Western Reserve University. Cleveland, OH. Direct teaching and moderation on craniofacial topics: Otoplasty; Oral board examination overview; Unilateral cleft lip repair markings with rotation advancement technique; Unilateral cleft lip repair markings with anatomical subunit approximation technique; Bilateral cleft lip repair markings; Case review of a cleft rhinoplasty patient; Treacher Collins; Cleft palate and oronasal fistula repair markings; Fibrous dysplasia; Craniosynostosis and craniofacial syndromes; Tessier Clefts; Orthognathic surgery for obstructive sleep apnea 12 Plastic Surgery Residents per year One hour every six weeks 2012 – 2013
2. Craniofacial Clinic, Rainbow Babies & Children's Hospital. Cleveland, OH. 1 Plastic Surgery Resident, 1-3 Students ½ day every other week 2012 – 2016
3. Vascular Anomalies Clinic, Rainbow Babies & Children's Hospital. Cleveland, OH. 1 Plastic Surgery Resident, 1-3 Students ½ day every month 2012 – 2016
4. Plastic Surgery Clinic, Rainbow Babies & Children's Hospital. Cleveland, OH. 1 Plastic Surgery Resident, 1-3 Students 1 day per week 2012 – 2016

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5. Plastic Surgery Clinic, Cedar Brainard Office. Lyndhurst, OH. 1 Plastic Surgery Resident, 1-3 Students ½ day every week 2012 – 2016
6. Operating Room, Rainbow Babies & Children’s Hospital. Cleveland, OH. 1 Plastic Surgery Resident, 1-3 Students 2 days every week 2012 – 2016
7. Operating Room, UH Lyndhurst. Lyndhurst, OH. 1 Plastic Surgery Resident, 1-3 Students ½ day every week 2012 – 2016
8. Core Curriculum, Department of Plastic Surgery, Case Western Reserve University. Cleveland, OH. Direct teaching and moderation. One hour every week. 12 Plastic Surgery Residents per year. 2012 – 2016
9. Indications Conference, Department of Plastic Surgery, Case Western Reserve University. Cleveland, OH. Direct teaching and moderation. One hour every month. 12 Plastic Surgery Residents per year. 2012 – 2016
10. Journal Club, Department of Plastic Surgery, Case Western Reserve University. Cleveland, OH. 12 Plastic Surgery Residents per year. One hour every month. 2012 – 2016
11. Mock Oral Exam, Department of Plastic Surgery, Case Western Reserve University. Cleveland, OH. Three hours every year. 6 Plastic Surgery Residents per year. 2012 – 2016
12. Plating Course Instructor, Department of Plastic Surgery, Case Western Reserve University, Cleveland, OH. Direct teaching and supervision of mandible and midface facial fracture plating. 12 Plastic Surgery Residents per year. Two hours every year. 2013 – 2016
13. Shadowing Case by Case, Case Western Reserve University. Cleveland, OH. Provide shadowing opportunity at University Hospital for interested undergraduates. One hour every week. 2014 – 2016
14. Cadaver Lab Instructor, Department of Plastic Surgery, Case Western Reserve University. Cleveland, OH. Direct teaching and moderation on craniofacial topics: horizontal osteotomy of mandible, Le Fort osteotomies, sagittal split osteotomy of mandible, coronal approach. 12 Plastic Surgery Residents per year. Two hours every year. 2014 – 2016
15. Plastic Surgery Clinic, Cedar Brainard Office. Lyndhurst, OH. 1 Plastic Surgery Resident, 1-3 Students ½ day every other week 2014 – 2016
16. Plastic Surgery Clinic, UH Westlake. Westlake, OH. 1 Plastic Surgery Resident, 1-3 Students ½ day every other week 2014 – 2016
17. Operating Room, UH Lyndhurst. Lyndhurst, OH. 1 Plastic Surgery Resident, 1-3 Students ½ day every other week 2014 – 2016
18. Operating Room, UH Westlake. Westlake, OH. 1 Plastic Surgery Resident, 1-3 Students ½ day every other week 2014 – 2016
19. Community Patient Care Preceptorship (CPCP). 1 first year medical student, 4 hours per week. Observed and provided guidance for medical interviewing, physical exam, communication skills, and patient presentations 2015 – 2016

## RESEARCH SUPPORT

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1. Granting agency: Plastic Surgery Educational Foundation Basic Research Grant  
Title of project: Lakin GE, Nah HD, Kirschner RE. “Influence of Mechanical Stress on Muenke Syndrome Craniosynostosis.”  
PI: Kirschner RE  
Percent of effort: 17% during research fellowship  
Award: \$5,000  
Dates: 2008-2009
2. Granting agency: American Society of Maxillofacial Surgeons/Maxillofacial Surgeons Foundation & Synthes CMF Research Grant  
Title of project: Lakin GE, Bartlett S, Nah HD, Kirschner RE. “Influence of Mechanical Stress on the Phenotypic Variability of Muenke Syndrome Craniosynostosis.”  
PI: Kirschner RE  
Percent of effort: 20% during research fellowship  
Award: \$6,000  
Dates: 2008-2009
3. Granting agency: Duke University Undergraduate Research Support Grant, Duke University Biological Laboratories Independent Study Program, Durham, NC  
Title of project: Evolutionary phylogenetic reconstruction of squirrels  
PI: John Mercer, PhD  
Percent of effort: 20%  
Award: \$1,000  
Dates: 1997 – 1998

## **BIBLIOGRAPHY**

### **Peer Reviewed Articles**

1. Vorburger SA, Xing Y, Hunt KK, **Lakin GE**, Benjamin RS, Feig BW, Pisters PWT, Ballo MT, Chen L, Trent J, Burgess M, Patel S, Pollock RE, Cormier JN. Angiosarcoma of the breast. *Cancer*. 2005; 104: 2682-2688.
2. Laurita JT, Koyama E, Chin BC, Taylor J, **Lakin GE**, Hankenson KD, Bartlett SP, Nah HD. The Muenke Syndrome Mutation (*FgfR3<sup>P244R</sup>*) Causes Cranial Base Shortening Associated with Growth Plate Dysfunction and Premature Perichondrial Ossification in Murine Basicranial Synchronoses. *Developmental Dynamics*. 2011 Nov; 240(11): 2584-96.
3. **Lakin GE**, Sinkin J, Koltz PF, Girotto JA. Genetic and Epigenetic Influences of Twins on the Pathogenesis of Craniosynostosis: A Meta-Analysis. *Plast. Reconstr. Surg*. 2012, 129: 945.
4. Andrews BT, **Lakin GE**, Bradley JP, Kawamoto HK Jr. Orthognathic Surgery for Obstructive Sleep Apnea: Applying the Principles to New Horizons in Craniofacial Surgery. *J Craniofac Surg*. 2012 Nov;23(7 Suppl 1):S96-9.
5. **Lakin GE**, Jarrahy R. Commentary on “Nonsyndromic Craniosynostosis: The Rady Children’s Hospital Approach”. *J Craniofac Surg*. 2012 Nov;23(7 Suppl 1):S124-5.
6. **Lakin GE**, Kawamoto HK Jr. Le Fort II Osteotomy. *J Craniofac Surg*. 2012 Nov;23(7 Suppl 1): S22-5.
7. Brown MS, Okada H, Valiathan M, **Lakin GE**. 45 Years of Simultaneous Le Fort III and Le Fort I Osteotomies: A Systematic Literature Review. *Cleft Palate Craniofac J*. 2015 Jul;52(4):471-479.
8. Nahabet E, Gatherwright J, Vockley G, Henderson N, Tomei K, Grigorian P, Kaminski B, Bass N, Selman W, **Lakin GE**. Postnatal Pancraniosynostosis in a Patient with Infantile Hypophosphatasia. *Cleft Palate-Craniofacial Journal*. Jul 14, 2015.
9. Ascha M, McDaniel J, Link I, Rowe D, Soltanian H, Sattar A, Becker D, **Lakin GE**. Social and Support Services Offered by Craniofacial Centers: A National Survey and Institutional Experience. *Journal of Craniofacial Surgery*. Mar 27, 2016.
10. Ascha M, Harvey DJ, Sarma H, Becker D, Rowe D, **Lakin GE**. A Novel Single-Stage Technique for the Treatment of Soft Tissue in an Oblique Facial Cleft. *Journal of Craniofacial Surgery*. Sep 27, 2016.
11. Alleyne B, Okada HC, Leuchtag RM, Rowe DJ, Soltanian HT, Becker DB, **Lakin GE**. Cleft and Craniofacial Clinic Formats in the United States: National and Institutional Survey. *J Craniofac Surg*. May 28, 2017.
12. Pourtaheri N, Kearney A, Wan DC, **Lakin G**. Impact of a Cleft and Craniofacial Center on an Academic Health System. *Plast. Reconstr. Surg*. 2017 Oct; 140(40): 587e-597e.
13. Staudt MD, Pourtaheri N, **Lakin GE**, Soltanian HT, Miller JP. Surgical Management of Deep Brain Stimulator Scalp Erosion without Hardware Removal. *Stereotact Funct Neurosurg*. 2017 Dec 13; 95(6):385-391.
14. Son JH, Marshall DC, Valiathan M, Otteson T, Ferretti G, Grigorian PA, Rosen C, Becker D, Rowe D, Soltanian H, **Lakin GE**. Innovative Surgical Treatment of Severe Cherubism. *Cleft Palate Craniofacial Journal*. 2018 Jan 1.
15. Kurlander DE, Ascha M, Marshall DC, Wang D, Ascha MS, Tripi PA, Reeves HM, Downes KA, Ahuja S, Rotta AT, **Lakin GE**, Tomei K. Impact of Multidisciplinary Engagement in a Quality Improvement Blood Conservation Protocol for Craniosynostosis. *Journal of Neurosurgery: Pediatrics*. 2020 Jun 12:1-2.

### **Invited Peer-Reviewed Online Publications**

1. Brown MS, **Lakin GE**. Distraction. *Plastic Surgery Hyperguide*. December 31, 2013.
2. Brown MS, **Lakin GE**. Pediatric Facial Fractures. *Plastic Surgery Hyperguide*. December 31, 2013.
3. Lee M, **Lakin GE**. Craniosynostosis. *Plastic Surgery Hyperguide*. November 18, 2014.
4. Lim R, **Lakin GE**. Pancraniosynostosis. *Plastic Surgery Hyperguide*. December 12, 2014.

### **Invited Peer-Reviewed Video Publication**

1. Lee M, **Lakin GE**. Unilateral Incomplete Cleft Lip Markings. *Plastic Surgery Hyperguide*. December 30, 2014.

### **Book**

1. **Lakin GE**. (2015). *Plastic Surgery Review: A Study Guide for the In-Service, Written Board, and Maintenance of Certification Examinations*. 2015, Thieme, New York

### **Invited, Non-Peer Reviewed**

1. **Lakin GE**. Global Health Care: India’s GC4 Surgical Opportunity – Helping the Needy While Learning. In, *Plastic Surgery News*, January/February, 2015.
2. **Lakin GE**. Ask the Doc: What Can I Do About Loose Skin Following Significant Weight Loss? Holy Cross Hospital Thrive Magazine, Spring/Summer 2017.



**Book Chapters**

1. Robinson DS, Sundaram M, **Lakin GE**. "Carcinoma of the breast in pregnancy and lactation." *In* Bland KI, Copeland EM (eds): *The Breast: A Comprehensive Textbook for the Management of Benign and Malignant Diseases*. Second Edition, Philadelphia, WB Saunders, 1998, pp 1433-1445.
2. Robinson DS, Sundaram M, **Lakin GE**. "Carcinoma of the breast in pregnancy and lactation." *In* Bland KI, Copeland EM (eds): *The Breast: Comprehensive Management of Benign and Malignant Diseases*. Third Edition, Philadelphia, WB Saunders, 2004, pp 1475-1490.

**Abstracts**

1. Robinson DS, Lentz J, Moffat F, Franceschi D, Beber B, Korensky T, **Lakin GE**. The Role of Stereotactic Mammographically Directed Core Biopsy for Non-Palpable Breast Lesions: A Single Institutional Analysis of 196 Procedures. University of Miami School of Medicine Surgical Oncology and Radiology, Miami, Florida, 1995.
2. Spivak RM, Endo M, Zajac A, Zoltick PW, **Lakin GE**, Flake AW, Kirschner RE, Nah HD. In Utero Delivery of Virally Encoded TGF-beta3 Rescues Cleft Palate in the TGF-beta3 Knockout Mouse. 87<sup>th</sup> Annual Meeting of the American Association of Plastic Surgeons in Boston, MA, April 5-8, 2008.
3. Wu C, Radecki A, **Lakin GE**, Salhab I, Flake AW, Kirschner RE, Nah HD. Intra-amniotic delivery of an adenoviral vector expressing TGFβ3 rescues palatal fusion defect in TGFβ3 null mice. Annual Meeting of the Philadelphia Academy of Surgery in Philadelphia, PA, February 2, 2009.
4. Wu C, **Lakin GE**, Radecki A, Endo M, Kirschner RE, Nah HD. *In Utero* Somatic Transfer of TGFB3 and IRF6 Genes Rescues TGFβ3<sup>-/-</sup> Induced Palatal Fusion Defects in Mice. 11<sup>th</sup> International Congress on Cleft Lip and Palate and Related Craniofacial Anomalies in Fortaleza, Brazil, September 10-13, 2009.
5. Wu C, Yang BH, **Lakin GE**, Radecki MA, Kirschner RE, Nah HD. IRF6 as a Downstream Effector of TGFB3 Signaling in Palatogenesis: *In Utero* Somatic Delivery of Ad-IRF6 Rescues the Palatal Fusion Defect in TGFB3 Mice. 26<sup>th</sup> Annual Meeting of the Northeastern Society of Plastic Surgeons in Charleston, SC, Sept 23-27, 2009.
6. Wu C, **Lakin GE**, Yang BH, Salhab I, Kirschner RE, Nah HD. IRF6 as a Downstream Effector of TGFB3 Signaling in Palatogenesis: *In Utero* Somatic Delivery of Ad-IRF6 Rescues the Palatal Fusion Defect in TGFβ<sup>-/-</sup> Mice. 13<sup>th</sup> Biennial International Congress of the International Society of Craniofacial Surgery in Oxford, UK, September 26-30, 2009.
7. Fargione RA, Koltz PF, **Lakin GE**, Giroto JA. Assessment of Growth Profiles in Cleft Children and Adolescents. 67<sup>th</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association in Fort Worth, TX, March 15-20, 2010.
8. Koltz PF, Fargione RA, **Lakin GE**, Giroto JA. Assessment of Growth Profiles in Cleft Children and Adolescents. 55<sup>th</sup> Annual Meeting of the Plastic Surgery Research Council in San Francisco, CA, May 22-26, 2010.
9. Laurita JT, **Lakin GE**, Chin BC, Nah HD. Muenke mutation (FgfR3P244R) causes premature ossification of basicranial synchondrosis cartilage and shortening of the cranial base in a knock-in mouse model. 27<sup>th</sup> Annual Meeting of the Northeastern Society of Plastic Surgeons in Washington, D.C., October 28-31, 2010.
10. Tabit CJ, **Lakin GE**, Tesoriero J, Kawamoto HK, Allam KA, Bradley JP. Treatment of Crouzon Syndrome: A Long-Term Study. 69<sup>th</sup> Annual Meeting of the American Cleft Palate-Craniofacial Association Paul Black Junior Investigator Session in San Jose, CA, April 17-21, 2012.
11. Drews C, Leuchtag R, Ferretti GA, **Lakin GE**. A Simplified Technique for Fabrication of a Pre-Surgical Nasoalveolar Molding Appliance for Infants with Unilateral or Bilateral Cleft Lip and Palate. 12<sup>th</sup> International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies in Orlando, Florida, USA, May 5-10, 2013.
12. Ferretti GA, Drews C, **Lakin GE**. Pre-Surgical Nasal Alveolar Molding for Infants with Bilateral Cleft Lip and Palate. 12<sup>th</sup> International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies in Orlando, Florida, USA, May 5-10, 2013.
13. Myers R, Giroto JA, **Lakin GE**. Distraction Osteogenesis of the Irradiated Craniofacial Skeleton: A Systematic Review and Meta-Analysis. 12<sup>th</sup> International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies in Orlando, Florida, USA, May 5-10, 2013.
14. Reeves HM, Nofal J, Capetillo A, Berkelhamer M, **Lakin GE**, Downes KA. Quality Assessment of Pre-operative Testing and Blood Ordering Protocol for Pediatric Patients Undergoing Cranial Vault Remodeling at an Academic Medical Center. 68<sup>th</sup> American Association of Blood Banks Annual Meeting in Anaheim, CA October 24-27, 2015.
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