

## Hassan Nasser

### HOME ADDRESS

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### WORK ADDRESS

UCLA Dept. of Head & Neck Surgery  
757 Westwood Plaza  
Los Angeles, CA, 90095

### TRAINING

2015- Present Resident Physician, PGY-3, UCLA Department of Head & Neck Surgery

### EDUCATION

2010 – 2015 University of Michigan Medical School, MD, May 2015.  
2005 – 2009 University of Michigan, B.S. Neuroscience, May 2009.

### HONORS AND AWARDS

2009 William K. Brehm Medical Scholarship, University of Michigan Medical School.  
2009 Phi Beta Kappa, University of Michigan.  
2008 James B. Angell Scholar, University of Michigan.  
2005 Salutatorian, Fordson High School.

### RESEARCH APPOINTMENTS

2013 – 2014 Pre-Doctoral Fellowship, Advanced Research Training in Otolaryngology Program (ARTOP), NIH T32 Grant, Department of Otolaryngology- Head & Neck Surgery, University of Michigan, Ann Arbor, MI.  
Advisors: Glenn Green, MD and Scott Hollister PhD.

2007 - 2011 Research Assistant, Molecular & Behavioral Neuroscience Institute, University of Michigan Medical School, Ann Arbor, MI.  
Pre and Post-synaptic Mechanisms of Synaptic Homeostasis.  
Funding: Undergraduate Sumer Research Fellowship (2008), Summer Biomedical Research Program, UMMS (2009, 2011).  
Advisor: Michael Sutton, PhD.

### GRANTS

7/1/14 – 6/31/15 Centralized Otolaryngology Research Efforts (CORE)  
(Green/Hollister/Morrison)  
American Society for Pediatric Otolaryngology  
Computer-Aided Designed 3D-Printed Bioscaffolds for Auricular Reconstruction

7/1/13 – 7/1/14 T32 DC 005356-12  
(Lesperance)  
NIH/NIDCD  
Advanced Research Training in Otolaryngology

### ONGOING RESEARCH ACTIVITY

- 2013 – 2015 Co-Investigator: “Congenital Upper Aerodigestive Tract Anomalies”. (PI: Glenn Green, MD; HUM 82775). University of Michigan.
- 2013 – 2015 Co-Investigator: “3D-Printed Masks for CPAP Therapy in Patients with Craniofacial Anomalies”. (PI: Glenn Green, MD; HUM 78727). University of Michigan.
- 2013 – 2015 Co-Investigator: “Characteristics of Skull Base Anatomy in Obstructive Sleep Apnea”. (PI: Mark Zacharek, MD; HUM 78939). University of Michigan.
- 2013 – 2015 Co-Investigator: “Retrospective 3D-volumetric evaluation of the skull base and maxilla in chronic rhinosinusitis”. (PI: Jayapalli Bapuraj, MD; HUM 84619). University of Michigan.

### PEER-REVIEWED PUBLICATIONS

Jakawich SK, **Nasser HB**, Strong MJ, McCartney AJ, Perez AS, Rakesh N, Carruthers CJ, Sutton MA (2010). Local Presynaptic Activity Gates Homeostatic Changes in Presynaptic Function Driven by Dendritic BDNF Synthesis. *Neuron*, 68(6), 1143-1158.

Hollister SJ, Flanagan CL, Zopf DA, Morrison RJ, **Nasser H**, Patel JJ, Ebramzadeh E, Sangiorgio SN, Wheeler MB, Green GE. Design control for clinical translation of 3D printed modular scaffolds. *Annals of biomedical engineering*. 2015 Mar 1;43(3):774-86.

Zopf DA, Flanagan CL, **Nasser HB**, Mitsak AG, Huq FS, Rajendran V, Green GE, Hollister SJ. Biomechanical evaluation of human and porcine auricular cartilage. *The Laryngoscope*. 2015 Aug 1;125(8).

### ABSTRACTS/PRESENTATIONS

Morrison RJ, **Nasser HB**, Jensen DR, Park AH, Ohye RG, Hollister RJ, Green GE. Treatment of Bilateral Severe Bronchomalacia with 3-Dimensionally Printed Patient-Specific External Bronchial Splints, American Academy of Otolaryngology- Head & Neck Surgery (AAO-HNSF) Annual Meeting, Orlando, FL. September 2014.

**Nasser HB**, Morrison RJ, Zopf DA, Flanagan CL, Mitsak AG, Wheeler M, Green G, Hollister SJ. Cartilage Tissue Engineering for Craniofacial Soft Tissue Reconstruction Using 3-Dimensionally Printed Porous Tissue Bioscaffolds, Michigan Institute for Clinical & Health Research Symposium, October 2014.

Morrison RJ, VanKoeveering KV, **Nasser HB**, Kline SK, Jensen DR, Edwards SP, Munz SM, Hassan F, Schotland HM, Chervin RD, Hollister SJ, Green GE, Garetz SL. Use of 3D Printing to Create a Customized CPAP Mask for a Child with Treacher-Collins Syndrome, International Pediatric Sleep Association Congress, Porto Alegre, Brazil, December 2014.

**Nasser HB**. Development of a 3D-Printed CPAP Mask for Patients with Craniofacial Anomalies, 14<sup>th</sup> Annual Charles J. Krause Lectureship 2014, Department of Otolaryngology, University of Michigan, Ann Arbor, MI. Podium Presentation.

Morrison RJ, Nasser **HB**, Zopf DA, Flanagan CL, Wheeler M, Green GE, Hollister SJ. Biomechanical Properties and Effect on Tracheobronchial Growth of 3D-Printed Bioresorbable Airway Splints for Treating Tracheobronchomalacia, Tissue Engineering and Regenerative Medicine International Society (TERMIS) Annual Meeting, Washington DC, December 2014.

Jakawich SK, Nasser **HB**, Strong MJ, McCartney AJ, Perez AS, Rakesh N, Carruthers CJ, Sutton MA “State-dependent” homeostatic plasticity gated by local presynaptic activity. Poster at Society for Neuroscience Annual Meeting, Washington DC, November 2008.

## SERVICE

### *Institutional*

2011 - 2015

Admissions committee student interviewer, UMMS.

Interview and provide feedback on applicants to University of Michigan medical school.

2010 - 2015

Community Outreach Chair, Medical Students of Middle- Eastern Descent, UMMS.

Participation in free student- run clinics at community centers in metro Detroit.

Mentor in highly successful pre-medical student mentorship program.

### *Volunteer*

2014 – 2015

Volunteer Medical Student, Hope Otolaryngology Clinic, Ann Arbor, MI.

2013 – 2015

Volunteer Medical Student, Project H Clinic, Wayne County Family Shelter.

2013 – 2015

Volunteer Medical Student, Delonis Clinic, Ann Arbor, MI.

2007 – 2009

After School Tutor, SOS community services, Ypsilanti, Michigan.

## TEACHING

2006 – 2009

Study Group Leader, Science Learning Center, University of Michigan.

Led small group sessions for 10-15 undergraduate students in courses such as organic chemistry and physics.

Coordinated and led pre-exam review sessions, created original problem sets and other study aids.