

Gerhard Salomo (Sol) Mundinger, M.D.

CURRICULUM VITAE\

EDUCATION

- 8/02-5/07 **The Johns Hopkins University School of Medicine** Baltimore, MD
Doctor of Medicine, May 17th, 2007
- 7/05-7/06 **The National Institutes of Health** Bethesda, MD
Clinical Research Training Program
Surgery Branch and Division of Pathology, National Cancer Institute,
Principal Investigators: Dr. H. Richard Alexander, Dr. Elaine Jaffe
Project Title: *Real-time Proteomic Profiling to Characterize Biological
Behavior of Locally Advanced Solid Organ Cancers in Patients
Undergoing Surgical Debulking and Intensive Regional Therapy*
- 9/97-4/01 **University of Michigan-GPA: 3.952** Ann Arbor, MI
School of Natural Resources and Environment
Bachelor of Science in Environmental Policy and Behavior, With Distinction,
April 26th, 2001
Bachelor of Science in Resource Ecology and Management, With Distinction,
April 26th, 2001

College of Literature, Science, and the Arts
Bachelor of Science in Biology, With Highest Distinction, April 26th, 2001
- 8/93-5/97 **St. Andrew's Episcopal High School** Ridgeland, MS

POST-GRADUATE TRAINING

- 7/15- 6/16 **Seattle Children's Hospital/
Harborview Medical Center/
University of Washington Medical Center** Seattle, WA
Craniofacial Surgery Fellow/ Acting Instructor
Fellowship Director: Richard A. Hopper, M.D.
- 7/09-6/15 **Johns Hopkins Hospital/
University of Maryland Medical Center** Baltimore, MD
Senior Integrated Plastic Surgery Resident
Department of Plastic and Reconstructive Surgery
- 7/09-6/11 **University of Maryland Medical Center** Baltimore, MD
Research Resident
Composite Tissue Allotransplantation Laboratory
Department of Surgery
Principal Investigators: Dr. Eduardo D. Rodriguez, Dr. Stephen T. Bartlett, Dr.
Rolf N. Barth
- 7/07-6/09 **Johns Hopkins Hospital/
University of Maryland Medical Center** Baltimore, MD
Junior Integrated Plastic Surgery Resident
Division of Plastic and Reconstructive Surgery

POSITIONS

- 7/15- 6/16 **Children's University Medical Group** Seattle, WA
Acting Instructor / Senior Fellow
- 7/15- 6/16 **University of Washington Medical Center / Harborview Medical Center / Seattle Cancer Care Alliance** Seattle, WA
Acting Instructor / Senior Fellow

LICENSURE AND CERTIFICATION-CURRENT

National Provider Identification Number 1578765129
Washington State Department of Health Physician and Surgeon License: License Number MD 60538719.
Effective Date: 3/11/15, Expiration Date 3/13/16
US DEA Controlled Substances Registration Permit: Registration Number FM5133385. Issue Date:
3/31/2015, Expiration Date: 1/31/2018

LICENSURE AND CERTIFICATION-INACTIVE

Maryland Board of Physicians: License Number D0067863 (inactive 9/16/2011)
Maryland Controlled Dangerous Substances Permit: Registration Number M67488 (inactive
9/2011)
US DEA Controlled Substances Registration Permit: Registration Number FG1117539 (inactive
9/30/2011)

UNITED STATES MEDICAL LICENSING EXAMINATIONS

Step 1: Passed 9/8/2004
Step 2 Clinical Skills: Passed 9/28/2006
Step 2 Clinical Knowledge: Passed 2/26/2007
Step 3: Passed 11/29/2007

HONORS AND AWARDS

Graduate:

- 2015 Johns Hopkins Medicine Miller-Coulson Academy of Clinical Excellence Frank L. Coulson Award for Clinical Excellence
- 2014 American Society of Maxillofacial Surgeons Resident Scholar Award recipient
- 2014-15 Administrative Chief of Service, Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital
- 2012-14 Resident Representative to Faculty, Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital
- 2012 Bring Hope Through Healing grant award for Changing Children's Lives mission trip to, Prajaksinlapakhom Army Hospital, Udon Thani, Thailand
- Basic Science Research Award, 4th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium- "Histopathology of chronic rejection in a non-human primate model of facial vascularized composite tissue allotransplantation"
- 2011-12 St. Andrew's Episcopal School Young Alumnus Award
- 2011 Invited speaker, 11th Banff Conference on Allograft Pathology, Paris – Enghien-les-Bains, France- "Chronic Changes in Non-human Primate Composite Tissue Allografts"

- The Transplantation Society Travel Award for the 10th Meeting of the International Hand and Composite Tissue Allotransplantation Society, Atlanta, Georgia
- 2010-11 Plastic Surgery Educational Foundation Research Fellowship- “Simultaneous Renal and Vascularized Bone Allotransplantation”
- 2010 The International Basic Science Mentee Travel Award for the 23rd International Congress of the Transplantation Society, Vancouver, Canada
- 2008 Johns Hopkins Hospital “Shining Star” Service Excellence Award
- 2007 Excellence in Medical Student Research Award
- 2007 Best photograph award. Images of Global Health Photography Exhibit, Enoch Pratt Free Library, Baltimore, MD
- 2007 American Association for Cancer Research Busch Scholar-in-Training Award- “Comparison of Reverse Phase Protein Microarray (RPMA) Data Analysis Methods Using Receiver Operator Characteristic Curves.”
- 2007 American Austrian Foundation Max Kade Fellowship
- 2007 Tokyo University Medical Student Exchange Scholarship
- 2007 NIH Medical Education Program “Success Story Profile” selectee (<http://www.cc.nih.gov/training/crtp/pdf/GerhardMundinger.pdf>)
- 2005-6 NIH Clinical Research Training Program Fellowship

Undergraduate:

- 2001 James B. Angell Scholar
- 2001 Lutheran Brotherhood Scholarship
- 2001 Xi Sigma Pi Honorary Forestry Society
- 2000 Phi Kappa Phi
- 2000 James B. Angell Scholar
- 2000 Lutheran Brotherhood Scholarship
- 1999 Phi Beta Kappa
- 1999 Lutheran Brotherhood Scholarship
- 1999 University of Michigan Biological Station Scholarship
- 1998 William J. Branstrom Freshman Prize
- 1998 Golden Key National Honor Society
- 1998 Lutheran Brotherhood Scholarship
- 1998 James B. Angell Scholar

High school: 1996-7 Saint Andrew’s Varsity Football Saint Award

RESEARCH SUPPORT-CURRENT

None

RESEARCH SUPPORT-COMPLETED

- 7/11/10-6/30/11 Plastic Surgery Educational Foundation Fellowship- Award 173196
Mundinger GS (PI), Rodriguez ED (Sponsor)
Simultaneous renal and vascularized bone allotransplantation
 \$50,000
 Role: Principle Investigator
- 6/1/10-5/31/11 Office of Naval Research- Grant Award N00014-10-1-0868
 Bartlett ST (PI), Rodriguez ED (Co-PI), Barth, RN (Co-PI), **Mundinger GS (Co-Investigator)**
Chimerism and tolerance in composite tissue transplantation
 \$3,187,200
 Role: Co-Investigator

INSTITUTIONAL REVIEW BOARD PROTOCOLS-CURRENT

None

INSTITUTIONAL REVIEW BOARD PROTOCOLS-COMPLETED

- Co-investigator:** Pediatric Facial Fractures: A Retrospective Review. *Principal investigator:* Amir Dorafshar, MD. Department of Plastic, Reconstructive, and Maxillofacial Surgery, Johns Hopkins Hospital. NA_00046169
- Co-investigator:** Distraction Osteogenesis with Immediate Bone Grafting for Correction of Midface Retrusion Due to Cleft Deformities. *Principal investigator:* Anthony Tufaro, MD. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital. IRB protocol NA_00089660
- Sub-investigator:** Face Transplant. *Principal investigator:* Eduardo D. Rodriguez, MD, DDS. Division of Plastic Surgery, Shock Trauma Center, University of Maryland Medical Center. IRB Protocol # HP-0040219
- Co-investigator:** Functional outcome following upper extremity reconstruction for soft-tissue Sarcoma. *Principal investigator:* E. Gene Deune, MD, Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital. IRB protocol NA_00007723
- Co-investigator:** Inferior alveolar nerve reconstruction with a bioabsorbable nerve conduit: an evaluation of sensory recovery, pain relief, and cost of surgery. *Principal investigator:* Anthony Tufaro, MD. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital. IRB protocol NA_00019283

PEER-REVIEWED PUBLICATIONS

1. **Mundinger GS**, Rozen SM, Carson B, Greenberg RS, Redett RJ. Case report: full-thickness forehead burn over indwelling titanium hardware resulting from an aberrant intraoperative electrocautery circuit. *Eplasty*. 2007. 20;8:e1. PMID: 18213397
2. Sciortino C, **Mundinger GS**, Kuwayama D, Yang S, Sussman M. Treatment of severe subcutaneous emphysema with a negative pressure wound therapy dressing. *Eplasty*. 2009;9:e1. PMID: 19198645
3. Narushima M, Mihara M, Koshima I, Gonda K, Takuya I, Kato H, Nakanishi K, Yamamoto Y, Araki J, Abe H, **Mundinger GS**, Kikuchi K, Uehara E. Intravascular stenting (IVaS) method for fingertip replantation. *Ann Plast Surg*. 2009. 62(1):38-41. PMID: 19131717
4. **Mundinger GS**, Weiss C, Fishman EK. Severe tracheobronchial stenosis and cervical vertebral subluxation in x-linked recessive chondrodysplasia punctata. *Pediatr Radiol*, 2009. 39(6):625-628. PMID: 19238369
5. Pernas FG, Allen CT, Winters ME, Yan B, Friedman J, Dabir B, Saigal K, **Mundinger GS**, Xu X, Morris JC, Calvo KR, Van Waes C, Chen Z. Proteomic signatures of epidermal growth factor receptor and survival signal pathways correspond to gefitinib sensitivity in head and neck cancer. *Clin Cancer Res*. 2009. 15(7): 2361-72. PMID: 19318490
6. **Mundinger GS**, Gust S, Micchelli ST, Fishman EK, Hruban RH, Wolfgang C. Adult pancreatic hemangioma: case report and review of the literature. *Gastroenterology Res and Pract*. 2009;2009:839730. PMID: 19421421
7. Narushima M, Mihara M, Koshima I, Gonda K, Takuya I, Kato H, Araki J, Yamamoto Y, Yuhei O, Todokoro T, Ishikawa S, Eri U, **Mundinger GS**. Digital artery perforator (DAP) flaps: modifications for

- fingertip and finger stump reconstruction. *J Plast Reconstr Aesthet Surg*. 2009. 63(8):1312-7. PMID: 19729356
8. Narushima M, Mihara M, Yamamoto Y, Iida T, Koshima I, **Munding GS**. The intravascular stenting method (IVaS) for treatment of lymphedema with multi-configuration lymphaticovenous anastomoses. *Plast Reconstr Surg*. 2010. 125(3):935-43. PMID: 20195120
9. **Munding GS**, Steinbacher D, Bishop J, Tufaro AP. Giant pilomatricoma of the cheek: case report and literature review. *J Craniomaxillofac Surg*. 2011. 39(7):519-24. PMID: 20417111
10. Yamamoto T, Narushima M, Doi K, Oshima A, Ogata F, Mihara M, Koshima I, **Munding GS**. Characteristic indocyanine green lymphography findings in lower extremity lymphedema: the generation of a novel lymphedema severity staging system using dermal backflow patterns. *Plast Reconstr Surg*. 2010. 127(5):1979-86. PMID: 21532424
11. Barth RN, Rodriguez ED, **Munding GS**, Nam AJ, Ha JS, Hui-Chou HG, Jones LS, Panda A, Shipley ST, Drachenberg CB, Kukuruga DL, Bartlett ST. Vascularized bone marrow prevents rejection of composite tissue allografts in non-human primates. *Am J Transplant*. 2011. 11(7): 1407-16. PMID: 21668624
12. Kelamis JA, **Munding GS**, Feiner JM, Dorafshar AH, Manson PN, Rodriguez ED. Clinical significance of isolated bilateral zygomatic arch fractures: a retrospective review. *Plast Reconstr Surg*. 2011.128(4):962-70. PMID: 21921771. Video discussion: Luce EA, http://journals.lww.com/plasreconsurg/_layouts/oaks.journals/VideoView.aspx?videoId=147&autoplay=true
13. **Munding GS**, Nam AJ, Hui-Chou HG, Stanwix MG, Jones LS, Drachenberg CB, Kukuruga D, Shipley ST, Dorafshar AH, Panda A, Bartlett ST, Barth RN, Rodriguez ED. Non-human primate model of fibula vascularized composite allotransplantation demonstrates donor-recipient bony union. *Plast Reconstr Surg*. 2011. 128(6):1193-1204. PMID: 21841529
14. Magarakis M, **Munding GS**, Kelamis AJ, Dorafshar AH, Bojovic B, Rodriguez ED. Ocular injury, visual impairment, and blindness associated with facial fractures: A systematic literature review. *Plast Reconstr Sur*. 2012. 129(1):227-233. PMID: 21915081. Video discussion: Gosain AK: http://journals.lww.com/plasreconsurg/_layouts/oaks.journals/VideoView.aspx?videoId=182&autoplay=true
15. **Munding GS**, Prucz RB, Rozen SM, Tufaro AP. Reconstruction of the inferior alveolar nerve with bioabsorbable polyglycolic acid nerve conduits. *Plast Reconstr Sur*. 2012. 129(1):110e-177e. PMID: 22186525
16. **Munding GS**, Kelamis JA, Kim SH, Magarakis M, Jones LS, Ha JA, Rodriguez ED. Tunneled superficial inferior epigastric artery (SIEA) myocutaneous / vascularized femur chimeric flaps: a model to study the role of vascularized bone marrow in composite allografts. *Microsurgery*. 2012. 32(2): 128-35. PMID: 22113953
17. **Munding GS**, Narushima M, Hui-Chou HG, Jones LS, Ha JS, Shipley ST, Dorafshar AH, Koshima I, Bartlett ST, Barth RN, Rodriguez ED. Infrared fluorescence imaging of lymphatic regeneration in non-human primate facial vascularized composite allografts. *Ann Plast Surg*. 2012. 68(3): 314-19. PMID: 22356782
18. **Munding GS**, Douglas KC, Higgins JP. Acute mycobacterial flexor tenosynovitis following accidental bacillus Calmette-Guérin inoculation in a healthcare worker: case report. *J Hand Surg Am*. 2013. 38(2): 362-365. PMID: 23294648
19. Vaca EE, **Munding GS**, Kelamis JA, Dorafshar AH, Christy MR, Rodriguez ED. Facial fractures with concomitant globe rupture: Injury mechanisms and fractures associated with blindness. *Plast Reconstr Surg*. 2013. 131(6):1317-1328. PMID: 23416437. Video discussion: Rohrich RJ, Luce EA <http://journals.lww.com/plasreconsurg/Pages/videogallery.aspx?videoId=362&autoplay=true>
20. **Munding GS**, Munivenkatappa R, Drachenberg CB, Ha JS, Vaca E, Shipley ST, Papadimitriou JC, Rodriguez ED, Barth RN. Histopathology of chronic rejection in a non-human primate model of facial

vascularized composite tissue allotransplantation. *Transplantation*. 2013. 95(10):1204-1210. PMID: 23694932

21. Bellamy JL, Molendijk J, Reddy SK, Flores JM, **Munding GS**, Manson PN, Rodriguez ED, Dorafshar AH. Severe infectious complications following frontal sinus fracture: the impact of operative delay and perioperative antibiotic use. *Plast Reconstr Surg*, 2013. 132 (1): 154-162. PMID: 2380691. Discussion: Luce EA, *Plast Reconstr Surg*. 2013.132(1):163-4

22. Bellamy JL, **Munding GS**, Reddy SK, Flores JM, Rodriguez ED, Dorafshar AH. Le Fort II fractures are associated with death: a comparison of simple and complex midface fractures. *J Oral Maxillofac Surg*. 2013. 71(9):1556-62. PMID: 23806917

23. **Munding GS**, Dorafshar AH, Gilson MM, Mithani SK, Manson PN, Rodriguez ED. Blunt-mechanism facial fracture patterns associated with internal carotid artery injuries: recommendations for additional screening criteria based on analysis of 4,398 patients. *J Oral Maxillofac Surg*. 2013. 71(12):2092-100. PMID: 23992776

24. Hung B, Salter E, Temple J, **Munding GS**, Brown E, Brazio P, Rodriguez ED, Grayson W. Engineering bone grafts with enhanced bone marrow and native scaffolds. *Cells, Tissues, Organs*. 2013.198(2):87-98. PMID: 24021248

25. Bellamy JL, **Munding GS**, Flores JM, Reddy SK, Mithani SK, Rodriguez ED, Dorafshar AH. Facial fractures of the upper craniofacial skeleton predict mortality and occult intracranial injury after blunt trauma: an analysis. *J Craniofac Surg*. 2013.24(6):1992-6. PMID: 24220374

26. **Munding GS**, Dorafshar AH, Gilson MM, Mithani SK, Kelamis JA, Christy MR, Manson PN, Rodriguez ED. Analysis of radiographically confirmed blunt-mechanism facial fractures. *J Craniofac Surg*. 2014. 25(1): 321-27. PMID: 24406598

27. Zelken JA, Khalifian S, **Munding GS**, Ha, JS, Manson PN, Rodriguez ED, Dorafshar AH. Defining Predictable Patterns of Craniomaxillofacial Injury in the Elderly: Analysis of 1,047 Patients. *Journal of Oral Maxillofac Surg*, 2013. 72(2):351-61. PMID: 24139294

28. **Munding GS**. Halo phenomenon. *NEJM*. 2014. 370(3): 262. PMID: 24428471

29. Metzler P, Low DW, **Munding GS**, Steinbacher DM. Simultaneous double-opposing Z-plasty a posterior pharyngeal flap. *J Oral Maxillofac Surg*. 2014. 72(4):803.e1-6. PMID: 24468091

30. Dorafshar AH, Mohan R, **Munding GS**, Brown EN, Kelamis AJ, Bojovic B, Christy MR, Rodriguez ED. Reconstruction of porcine critical sized mandibular defects with free fibular flaps: the development of a craniomaxillofacial surgery model. *J Reconstr Microsurg*. 2014. 30(4): 241-8. PMID:24590323

31. Dorafshar AH, Brazio PS, **Munding GS**, Mohan R, Brown EN, Rodriguez ED. Found in space: computer-assisted orthognathic alignment of a total face allograft in six degrees of freedom. *Journal of Oral Maxillofac Surg*, 2014.72(9):1788-80. PMID: 24656428

32. Mohan R, Hui-Chou HG, Wang HD, Nam AJ, Magarakis M, **Munding GS**, Brown EN, Kelamis AJ, Christy MR, Rodriguez ED. Hernia, 2014. September 24th. Epub ahead of print. PMID: 25249252

33. **Munding GS**, Prucz RB, Frassica FJ, Deune EG. Concomitant upper extremity soft tissue sarcoma limb-sparing resection and functional reconstruction: assessment of outcomes and costs of surgery. *Hand (N Y)*, 2014. 9(2): 196-204. PMID: 24839421

34. Ashvetia T, **Munding GS**, Kukuruga D, Bojovic B, Christy MR, Dorafshar AH, Rodriguez ED. Donor-recipient Human Leukocyte Antigen Matching Practices in Vascularized Composite Tissue Allotransplantation: A Survey of Major Transplantation Centers. *Plast Reconstr Surg*, 2014. 134(1): 121-9. PMID: 25028821

35. Dorafshar AH, **Munding GS**, Mohan R, Brown EN, Kelamis JA, Bojovic B, Christy MR, Rodriguez ED. Comparison of free fibular flaps to reamer-irrigator-aspirator (RIA) bone grafts for reconstruction of critical-sized mandibular defects. *J Craniofac Surg*, 2014. 25(6): 1953-8. PMID: 25329851

36. Tuffaha SH, Sarhane K, **Munding GS**, Broyles JM, Reddy SK, Seal S, Cooney D, Bonawirz SC. Pyoderma gangrenosum after breast surgery: Diagnostic pearls and treatment recommendations based on a systematic literature review *Ann Plast Surg*, 2014. July 4th. Epub ahead of print. PMID: 25003456
37. Vaca EE, **Munding GS**, Zelken JA, Erdag G, Manahan MA. Surgical excision of multiple penile syringomas with scrotal flap reconstruction. *Eplasty*, 2014. 14:e21. PMID: 24966995
38. Hautz T, Zelger BG, Nasr I, **Munding GS**, Barth R, Rodriguez ED, Brandacher G, Weissenbacher A, Zelger B, Cavadas P, Margreiter R, Lee WPA, Pratchke J, Lakkis FG, Schneeberger S. Lymphoid neogenesis in skin of human hand, non-human primate, and rat vascularized composite allografts. *Transplant Int*, 2014. 27(9):966-76. PMID:24853399
39. Maddox JS, Sabino JM, Buckingham EB, **Munding GS**, Zelken JA, Bluebond-Langner RO, Singh DP, Holton LH 3rd. Utility of indocyanine green fluorescence lymphography in identifying the source of persistent groin lymphorrhea. *Plast Reconstr Surg Glob Open*, 2014. 2(9):e210. PMID: 254263939
40. Utria AF, **Munding GS**, Bellamy JL, Zhou J, Ghasemzadeh A, Yang R, Jallo GI, Ahn ES, Dorafshar AH. The importance of timing in optimizing cranial vault remodeling in syndromic craniosynostosis. *Plast Reconstr Surg*, 2015. 135(4):1077-84. PMID: 25502856
41. Sosin M, **Munding GS**, Dorafshar AH, Fisher M, Bojovic B, Christy MR, Iliff NT, Rodriguez ED. Eyelid transplantation: lessons from a total face transplant and the importance of blink. *Plast Reconstr Surg*, 2015. 135(1):167e-75e. PMID: 25539324
42. **Munding GS**, Borsuk DE, Okhah Z, Christy MR, Bojovic B, Dorafshar AH, Rodriguez ED. Antibiotics and Facial Fractures: Evidence-Based Recommendations Compared to Experience-Based Practice. *Craniofacial Trauma Reconstr*. 2015. 8(1): 64-78. PMID: 25709755
43. Bellamy JL, **Munding GS**, Flores JM, Wimmers E, Yalanis G, Rodriguez ED, Sacks JM. Do adjunctive flap monitoring technologies impact clinical decision making? An analysis of microsurgeon preferences and behavior by body region. *Plast Reconstr Surg*, 2015. 135(3): 883-92. PMID: 25719704. Invited discussion Winocour S, Saint-Cyr M. *Plast Reconstr Surg* 2015. 135(3): 893-4
44. Susarla SM, Lopez J, **Munding GS**, Lifchez SD, Redett RJ. Abstract presentations by residents at an intramural research day: What factors affect publication? In Press in *J Surg Educ*, January, 2015. 72(4).
45. Susarla SM, **Munding GS**, Swanson EW, Basile LE, Redett RJ, Dodson TB. What is the quality of the evidence in the craniofacial surgery literature? In press in *Journal of Oral Maxillofac Surg*, March 19th, 2015. PMID: 25869980
46. Vranis N, **Munding GS**, Bellamy JL, Schultz B, Banda A, Yang R, Dorafshar AH, Christy M, Rodriguez ED. Extracapsular mandibular condyle fractures are associated with severe blunt internal carotid artery injury: analysis of 605 patients. *Plast Reconstr Surg*, 2015. 136(4):811-21. PMID: 26090769
47. Swanson EW, Susarla SM, Ghasemzadeh A, **Munding GS**, Redett RJ, Tufaro AP, Manson PN, Dorafshar AH. Application of the mandible injury severity score to pediatric mandibular fractures. *Journal of Oral Maxillofac Surg*, 2015. 71(7): 1341-9. PMID: 25936782
48. **Munding GS**, Vogel JE. Calf augmentation and reshaping with autologous fat grafting. In press in *Aesthet Surgery J*, September, 2015. PMID: 26333990
49. **Munding GS**, Shanavas Z, Kontis TC. Could your patient have swallowed their nasal splint after septoplasty? Seeing is believing. In press in *Aesthet Surgery J*, September, 2015. PMID: 26399313
50. Ghazemzadeh A, **Munding GS**, Swanson EW, Utria AF, Dorafshar AH. Treatment of pediatric condylar fractures: a 20 year experience. In press in *Plast Reconstr Surg*, 2015.
51. **Munding GS**, Bellamy JL, Miller DT, Christy MR, Bojovic B, Dorafshar AH. Defining Population-specific Craniofacial Fracture Patterns and Resource Utilization in Geriatric Patients: A Comparative Study

INVITED PUBLICATIONS

1. **Mundinger GS**, Espina V, Liotta LA, Petricoin EF, Calvo K. Clinical phosphoproteomic profiling for personalized targeted medicine using reverse phase protein microarray. *Targeted Oncology*. 2006. 1(3):151-167.
2. Valerio I, Sabino J, **Mundinger GS**, Kumar A. From battleside to stateside: the reconstructive journey of our wounded warriors. *Ann Plast Surg*. 2014. 72(S1):38-45. PMID: 24740023
3. **Mundinger GS**, Drachenberg CB. Chronic rejection in vascularized composite allografts. *Curr Opin Organ Transplant*, 2014. 19(3): 309-14. PMID: 24811439

OTHER PUBLICATIONS

1. **Mundinger, GS**. Hyperoodon ampullatus. Animal Diversity Web. 2000
http://animaldiversity.ummz.umich.edu/site/accounts/information/Hyperoodon_ampullatus.html.
2. **Mundinger, GS**. Spalacopus cyanus. Animal Diversity Web. 2000
http://animaldiversity.ummz.umich.edu/site/accounts/information/Spalacopus_cyanus.html.
3. **Mundinger GS**. Inverted nipples. *Eplasty*. 2008 <http://www.eplasty.com/images/PDF/eplasty-d-08-00080.pdf>
4. **Mundinger GS**, Fleegler EJ. Tumor involving a finger. *Eplasty*. 2008.
<http://www.eplasty.com/images/PDF/eplasty-d-08-00086.pdf>
5. **Mundinger GS**, Narushima M, Koshima I. Pedicled perforator flaps: a new principle in reconstructive surgery. *Plast Reconstr Surg*. 2010.126(6):2295-6. Author reply 2296. PMID: 21124195
6. Mithani SK, Kelamis JA, **Mundinger GS**, Brooke BS, Smith IM, Bluebond-Langer R, Rodriguez ED. The Prevalence of cervical spine injury, head injury, or both with isolated and multiple craniomaxillofacial fractures. *Plast Reconstr Surg*. 2012. 129(1): 163e. Author reply 163e-164e. PMID: 22186532
7. **Mundinger GS**, Daniel M, Sacks JM. Zygomatic arch fracture with coronoid impingement. In Press in *Eplasty*. June, 2014.

BOOK CHAPTERS

1. **Mundinger GS**. Optimal management of mandible fractures requires knowledge of anatomy, epidemiology of fracture patterns, and sound assessment of associated injuries. In *Avoiding Common Errors in the Emergency Department*. Lippincott, Williams, and Wilkins, Philadelphia, Pennsylvania, 2010. Chapter 91, pp. 207-212
2. Rodriguez ED. **Mundinger GS**, Evaluation and repair of common facial injuries. Chapter 31. In *Fischer's Mastery of Surgery, 6th Edition*. Fischer JE, Jones DB, Pomposelli FB, Eds. Lippincott Williams & Wilkins, Philadelphia, Pennsylvania, 2011. ISBN-10: 1608317404
3. Rodriguez ED, **Mundinger GS**, Barth RN, Hui-Chou H, Shipley S, Jones LS, Bartlett ST. Experimental studies in face transplantation: primate model. Chapter 6. In Siemionow, M, *The know-how of face transplantation*. Siemionow M, ed. Springer-Verlag, London, 2011. ISBN-10: 9780857292537
4. **Mundinger GS**, Rodriguez ED, Manson PN. Craniofacial trauma. Chapter 10. In Zins JE. *Handbook of Craniomaxillofacial Surgery*. Zins JE, Gordon C, Eds. World Scientific Publishing Company, River Edge, New Jersey, 2014. ISBN-10: 9814295094

INVITED ELECTRONIC EDUCATIONAL MEDIA

1. **Munding GS**, Chang CC, Dorafshar AH. Common approaches to the craniofacial skeleton. American Society of Craniofacial Surgery Craniofacial Fellows Curriculum, 2015.
2. Chang CC, **Munding GS**, Dorafshar AH. Facial fractures. American Society of Craniofacial Surgery Craniofacial Fellows Curriculum, 2015.

INVITED NATIONAL AND INTERNATIONAL PRESENTATIONS

1. **Munding GS**. Chronic changes in non-human primate composite tissue allografts. Composite Allografts Session, 11th Banff Conference on Allograft Pathology, June 8th, 2011, Paris (Enghien-les-Bains), France.
2. **Munding GS**. What is plastic surgery? Young Alumnus Award Speech, St. Andrew's School, Ridgeland, MS. February 13th, 2012.
3. **Munding GS**. Vascularized composite tissue allotransplantation: Insights from non-human primate models. Invited grand rounds presentation, Division of Plastic and Reconstructive Surgery, University of Mississippi Medical Center, Jackson, MS. February 14th, 2012.
4. **Munding GS**. Sources of research funding during residency. Plastic Surgery Foundation Career Fundamentals Workshop: From Residency to Tenure: A Roadmap for Success for the Academic Plastic Surgeon. June 16th, 2012, University of Michigan, Ann Arbor, MI.

OTHER PRESENTATIONS

1. **Munding GS**. Species interactions within and between inquiline larval fauna of *Sarracenia purpurea* L.: competition or commensalism? Summer thesis presentation, *University of Michigan Biological Station Collections*, 1999. <http://deepblue.lib.umich.edu/handle/2027.42/54844>
2. **Munding GS**, Calvo KR, Marks C, Winters M, Shih Joanna, Espina V, Petricoin EF, Liotta LA, Alexander HR, Pingpank JF. Reverse phase protein microarray analysis generates realtime *in vivo* proteomic cell signaling profiles of human tumor responses to regional perfusion chemotherapy. Poster presentation, Pfizer Research and Development Headquarters, Groton CT, May 2006.
3. **Munding GS**. Real time *in vivo* protein signaling profiles of human tumors in response to hyperthermic perfusion with melphalan. Oral presentation, Clinical Research Training Program Scientific Presentations, Masur Auditorium, National Institutes of Health, Bethesda, MD, May 2006.
4. **Munding GS**, Calvo KR, Shih J, Winters M, Nishizuka S, Petricoin EF, Liotta LA, Pingpank JF, Alexander HR. Comparison of reverse phase protein microarray (RPMA) data analysis methods using receiver operator characteristic curves. Oral presentation for George D. Zuidema Award for Resident Meritorious Laboratory Research, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, June, 2008.
5. **Munding GS**, Gonda K, Mihara M, Koshima I, Narushima M. Intravascular stenting (IVaS) method for fingertip replantation. Oral presentation for Gershon Efron Award for Outstanding Resident Clinical Research, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, June 2008.
6. **Munding GS**, Narushima M, Mihara M, Yamamoto Y, Iida T, Uchida G, Koshima I. The intravascular stenting method (IVaS) for treatment of lymphedema with multi-configuration lymphaticovenous anastomoses. Oral presentation for Gershon Efron Award for Outstanding Resident Clinical Research, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, June 18th, 2009.

7. **Mundinger GS**, Prucz R, Deune EG. Functional reconstruction after limb-sparing surgery for upper extremity sarcoma: assessment of functional outcomes and costs of surgery. Research rounds presentation, 1st Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 25th, 2009.
8. **Mundinger GS**, Hui-Chou H, Reinblatt M. Wounds: basic science, evaluation, grading, and treatment. ACGME resident quality improvement presentation, Johns Hopkins Hospital, Baltimore, MD, October 15th, 2009.
9. **Mundinger GS**. Surgical management of lymphedema. Grand Rounds Presentation, Division of Plastic and Reconstructive surgery, Johns Hopkins Hospital, Baltimore, MD. April 1st, 2010.
10. **Mundinger GS**. Hui-Chou HG, Munivenkatappa R, Drachenberg CB, Shipley ST, Jones LS, Dorafshar AH, Bartlett ST, Barth RN, Rodriguez ED. Chronic rejection in two non-human primate models of composite tissue allotransplantation. Research rounds presentation, 2nd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, July 17th, 2010.
11. **Mundinger GS**. Hand and face transplantation: current status and future directions. Grand Rounds Presentation, Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital. Baltimore, MD, November 4th, 2010.
12. Finer J, **Mundinger GS**, Mithani SK, Bojovic B, Rodriguez ED. Fractures of the edentulous mandible: A review of the R Adams Cowley Shock Trauma Experience. Research rounds presentation, 3rd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 16th, 2011.
13. Zelken JA, **Mundinger GS**, Ha JS, Kelamis JA, Mithani SK, Christy M, Rodriguez ED, Dorafshar AH. Predictable patterns of craniomaxillofacial injury in the elderly: analysis of 1047 patients. Research rounds presentation, 3rd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 16th, 2011.
14. Stanwix MG, Cary C, Howell LK, **Mundinger GS**, Nabaweesi R, Ziegfeld S, Redett R, Rodriguez ED, Dorafshar AH. Pediatric craniomaxillofacial fractures: a twenty year retrospective review of skull fractures. Research rounds presentation, 3rd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 16th, 2011.
15. **Mundinger GS**, Dorafshar AH, Gilson MM, Mithani SK, Smith I, Manson PN, Scalea TM, Rodriguez ED. Blunt-mechanism facial fracture patterns associated with internal carotid artery injuries: analysis of 4,398 patients. Research rounds presentation, 3rd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 16th, 2011.
16. Howell LK, **Mundinger GS**, Kelamis, JA, Mithani SK, Rodriguez ED, Dorafshar AH. Pediatric craniofacial fractures- the Shock Trauma Experience. Research rounds presentation, 3rd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 16th, 2011.
17. Kelamis JA, **Mundinger GS**, Dorafshar AH, Bojovic B, Manson PN, Rodriguez ED. Accuracy of ICD-9 coded facial fractures in databases compared to plastic surgeon review. Research rounds presentation, 3rd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 9th, 2011.
18. Bojovic B, **Mundinger GS**, Kelamis JA, Dorafshar AH, Mithani SK, Manson PN, Rodriguez ED. Critical reappraisal of panfacial injury: evolution of a 12-year experience-based treatment algorithm. Research rounds presentation, 3rd Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 16th, 2011.
19. **Mundinger GS**. Anatomy and tumors of the head and neck. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, August 25th, 2011.

20. **Munding GS.** Nasal reconstruction. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, February 9th, 2012.
21. **Munding GS,** Munivenkatappa R, Drachenberg, CB, Ha JS, Vaca E, Hui-Chou HG, Shipley ST, Papadimitriou JC, Dorafshar AH, Bartlett ST, Barth RN, Rodriguez ED. Histopathology of chronic rejection in a non-human primate model of facial vascularized composite tissue allotransplantation. Research rounds presentation, 4th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 21st, 2012.
22. Kelamis JA, **Munding GS,** Olenczak B, Dorafshar AH, Bojovic B, Manson PN, Rodriguez ED. Accuracy analysis of ICD-9 coded facial fractures in databases: a closer look. Research rounds presentation, 4th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Symposium, Johns Hopkins Hospital, Baltimore, MD, June 21st, 2012.
23. **Munding GS.** Blepharoplasty. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, August 30th, 2012.
24. **Munding GS.** Lateral arm flaps. Grand rounds presentation. Division of Plastic and Reconstructive Surgery, University of Maryland Medical Center, Baltimore, MD November 16th, 2012.
25. **Munding GS.** 50 years in orthognathic surgery: from blind osteotomies to virtual planning. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, August 30th, 2012.
26. **Munding GS,** Christy MR, Borsuk DE, Okhah Z, Bojovic B, Dorafshar AH, Rodriguez ED. Antibiotics and facial fractures: evidence-based recommendations compared to experience-based practice. Oral presentation, 5th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Research Symposium. June 20th, 2013.
27. Mojan R, **Munding GS,** Brown EN, Kelamis JA, Bojovic Bm Christy MR, Dorafshar AH, Rodriguez ED. Comparison of free fibular flaps to reamer-irrigator-aspirator (RIA) bone grafts for reconstruction of critical-sized porcine mandibular defects. Oral presentation, 5th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Research Symposium. June 20th, 2013.
28. Kelamis JA, **Munding GS,** Bojovic B, Manson PN, Rodriguez ED. Clinical outcomes in facial trauma injuries with delayed diagnosis of skull-base fractures. Oral presentation, 5th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Research Symposium. June 20th, 2013.
29. Bellamy JS, Molendijk J, **Munding GS,** Flores JM, Manson PN, Rodriguez ED, Dorafshar AH. Severe infectious complications following frontal sinus fracture: the impact of operative delay and peri-operative antibiotic use. Oral presentation, 5th Annual Johns Hopkins/University of Maryland Plastic and Reconstructive Surgery Research Symposium. June 20th, 2013.
30. **Munding GS.** Pediatric mandible fractures: principles of management. Grand rounds presentation. Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, August 15th, 2013.
31. **Munding GS.** Life in Baltimore: resident perspective. Resident life in Baltimore. Presentation to integrated and independent plastic surgery residency applicants, Department of Plastic and Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD. 2011, 2012, 2013, and 2014 interview days.

PEER-REVIEWED ABSTRACTS

1. Sanders WJ, **Munding GS,** Fox D. Taxonomic and systematic re-assessment of the Mio-Pliocene elephant *Primelephas gomphotheroides*. Oral presentation, 8th International Theriological Congress, September 2001, Sun City, South Africa.
2. Coon AL, Woodworth G, McGirt MJ, **Munding GS,** Foran MP, Colby GP, Huang J. Phenytoin therapy predicts improved functional outcome after acute subdural hematoma evacuation. Oral

presentation, Scientific Session VI-Neurotrauma and Critical Care, American Association of Neurological Surgeons Annual Meeting, April 18th, 2005, New Orleans, L.A.. Abstract #751.

3. Coon AL, McGirt MJ, Woodworth G, Colby GP, **Munding GS**, Foran MP, Huang J. Chronic anticoagulation with warfarin is associated with decreased functional outcome and increased length of stay following craniotomy for acute subdural hematoma. *Neurosurgery* 2005. 57(2): 404 Oral presentation, Congress of Neurological Surgeons Meeting, October, 2005, Boston, MA.

4. Coon AL, McGirt MJ, Woodworth G, Foran MP, **Munding GS**, Colby GP, Huang JC. Independent predictors of outcome after acute subdural hematoma evacuation: a novel grading scale for outcome prediction. *Neurosurgery* 2005. 57(2): 432 Oral presentation, Congress of Neurological Surgeons Meeting, October, 2005, Boston, MA.

5. **Munding GS**, Calvo KR, Nishizuka S, Pingpank JR, Alexander HR. Comparative analysis of bioinformatic methods for proteomic profiling using reverse phase protein microarrays. Oral presentation, National Cancer Institute Clinical Cancer Research Fellows and Young Investigators Retreat, February, 2006, Ocean City, MD.

6. **Munding GS**, Calvo KR, Marks C, Winters M, Espina V, Petricoin III EF, Liotta LA, Alexander Jr HR, Pingpank Jr JF. Real-time *in vivo* proteomic cell signaling profiles of human tumor responses to regional perfusion chemotherapy identifies changes in the EGFR signaling pathway that correlate with clinical outcome. Poster presentation, American Medical Student Association 56th Annual Convention, March 2006, Chicago, IL.

7. Calvo KR, **Munding GS**, Marks C, Winters M, Espina V, Petricoin III EF, Liotta LA, Alexander Jr HR, Pingpank Jr JF. Real-time *in vivo* proteomic cell signaling profiles of human tumor responses to regional perfusion chemotherapy identifies changes in pAkt and pmTor that correlate with clinical outcome" Poster presentation, American Association for Cancer Research Annual Meeting, April 2006, Washington, DC. Abstract ID #3618.

8. Devor C, **Munding GS**, Bandle R, Alexander HR, Pingpank J, Calvo KR. Reverse-phase protein microarrays: biotin-free signal amplification enhances specificity for clinical proteomics. Poster presentation, American Association for Cancer Research Annual Meeting, April 2007, Los Angeles, CA. Abstract # 2464.

9. **Munding GS**, Calvo KR, Shih J, Winters M, Nishizuka S, Petricoin EF, Liotta LA, Pingpank JF, Alexander HR. Comparison of reverse phase protein microarray (RPMA) data analysis methods using receiver operator characteristic curves. Oral presentation, 98th American Association for Cancer Research Annual Meeting, April 2007, Los Angeles, CA.

10. Pernas FG, Allen CT, Winters ME, Dabir B, Bagain L, Saigal K, **Munding GS**, Yan B, Morris JC, Calvo CR, Van Waes C, and Chen Z. Proteomic Signatures of Epidermal Growth Factor Receptor and Survival Signal Pathways Correspond to Gefitinib Sensitivity in Head and Neck Cancer. Poster presentation, 99th American Association for Cancer Research Annual Meeting, April, 2008. San Diego, CA.

11. Narushima M, Koshima I, Gonda K, Mihara M, **Munding GS**. Intravascular Stenting (IVaS) Method for Fingertip Replantation. Podium presentation, American Association for Hand Surgery 2009 Annual Meeting, January 2009, Maui, HI. Abstract ID 8280

12. **Munding GS**, Prucz R, Deune EG. Functional reconstruction after limb-sparing surgery for upper extremity sarcoma: assessment of functional outcomes and costs of surgery. Concurrent Podium Paper, Plastic Surgery Research Council 54th Annual Meeting, May 30, 2009, Pittsburgh, PA. Abstract # 159A.

13. **Munding GS**, Gust S, Micchelli ST, Fishman EK, Hruban RH, Wolfgang C: Adult pancreatic hemangioma: case report and review of the literature. Poster Presentaion, 49th Annual Pancreas Club Meeting, May 30-31, 2009, Chicago, IL. Presented by Gust S.

14. **Munding GS**, Prucz R, Deune EG. Functional reconstruction after limb-sparing surgery for upper extremity sarcoma: assessment of functional outcomes and costs of surgery. *Plast Reconstr Surg*. 2009. 124(2): 690. Oral presentation, European Plastic Surgery Research Council Inaugural Meeting, August 22nd, 2009, Hamburg, Germany. Abstract OP 31.

15. Nam AJ, Hui-Chou HG, **Mundinger GS**, Jones LS, Drachenberg CB, KuKuruga D, Shipley ST, Bartlett ST, Rodriguez ED, Barth RN. Macrochimerism and allo-engraftment in composite facial allograft in non-human primates can be achieved without ablative or depletional therapies. Podium presentation, American Society of Reconstructive Microsurgery Annual Meeting, January 6-9, 2010, Boca Raton, FL. Abstract # 10545.
16. Hui-Chou HG, **Mundinger GS**, Nam AJ, Sulek J, Jones LS, Drachenberg CB, Kukuruga D, Shipley ST, Bartlett ST, Barth RN, Rodriguez ED. Vascularized bone marrow required for long term rejection free survival of facial composite tissue allograft. Oral presentation, Scientific Session III: Research, American Association of Plastic Surgery 89th Annual Meeting, March 20-22nd, 2010, San Antonio, TX. Abstract #12.
17. **Mundinger GS**, Dorafshar AH, Mithani SK, Hui-Chou HG, Smith I, Manson P, Rodriguez ED. Craniofacial Fracture Patterns Predictive of Blunt Internal Carotid Artery Injury: Analysis of 4,398 Patients with 54 Concomitant Blunt Internal Carotid Artery Injuries. Oral presentation, Scientific Session V: Craniofacial/Pediatrics A, American Association of Plastic Surgery 89th Annual Meeting, March 22nd, 2010, San Antonio, TX. Abstract #23.
18. Hui-Chou HG, **Mundinger GS**, Jones LS, Drachenberg CB, Kukuruga D, Shipley ST, Rodriguez ED, Bartlett ST, Barth RN. Vascularized bone marrow permits long-term rejection free survival of facial composite tissue allografts in non-human primates. *Am J Transplant* 2010. 10(s4): 91. Plenary session presentation, 10th Annual American Transplant Congress, May 3rd, 2010, San Diego, CA. Abstract # 25200.
19. **Mundinger GS**, Munivenkatappa R, Sulek JE, Hui-Chou HG, Jones LS Drachenberg CB, Philosophie B, Rodriguez ED, Bartlett ST, Barth RN. Acute rejection, chronic rejection, and notch pathway expression in non-human primate facial composite tissue allotransplantation (CTA). *Am J Transplant* 2010. 10(s4): 478. Poster presentation, Chronic Allograft Injury: Basic Mechanisms, 10th Annual American Transplant Congress, May 4th, 2010, San Diego, CA. Abstract # 252622.
20. **Mundinger GS**, Hui-Chou HG, Nam AJ, Dorafshar AH, Sulek JE, Drachenberg CB, Kukuruga DL, Shipley ST, Jones LS, Bartlett ST, Barth RN, Rodriguez ED. Combined anti-CD28 costimulatory blockade and low-dose tacrolimus therapy in a non-human primate vascularized fibula allograft model. *Plast Reconstr Surg*. 2010. 65(125): 115. Concurrent Podium Paper, Plastic Surgery Research Council 55th Annual Meeting, May 26, 2010, San Francisco, CA. Abstract #153, presentation number 173B.
21. Hui-Chou HG, **Mundinger GS**, Nam AJ, Sulek JE, Dorafshar AH, Jones LS, Drachenberg CB, Kukuruga D, Shipley ST, Bartlett ST, Barth RN, Rodriguez ED. Requirement for vascularized bone marrow in rejection-free survival of facial composite tissue allografts in non-human primates. *Plast Reconstr Surg*. 2010. 65(125): 18. Concurrent Podium Paper, Plastic Surgery Research Council 55th Annual Meeting, May 24, 2010, San Francisco, CA, Abstract #16.
22. Hui-Chou HG, Olenczak JB, Nam AJ, **Mundinger GS**, Drachenberg CB, Jones LS, Rodriguez ED. Use of doxorubicin chemotherapy as immunosuppression for composite tissue allotransplantation. *Plast Reconstr Surg*. 2010. 65(125): 118. Concurrent Podium Paper, Plastic Surgery Research Council 55th Annual Meeting, May 26, 2010, San Francisco, CA, Abstract #179B.
23. **Mundinger GS**, Narushima M, Hui-Chou HG, Jones LS, Dorafshar A, Shipley ST, Bartlett ST, Rodriguez ED, Barth RN. Fluorescent imaging of non-human primate composite tissue allografts demonstrates prolonged graft lymphedema independent of rejection. Oral presentation, Advances in Surgery and Imaging Session, 23rd Annual International Congress of the Transplantation Society, August 18th, 2010, Vancouver, BC. Abstract #2653.
24. **Mundinger GS**, Munivenkatappa R, Hui-Chou HG, Drachenberg CB, Shipley ST, Jones LS, Dorafshar A, Rodriguez ED, Bartlett ST, Barth RN. Chronic rejection in a non-human primate model of facial composite tissue allotransplantation: clinical, pathological, and immunohistochemical characterization. Oral presentation, Experimental and Human Tolerance Session, 23rd Annual International Congress of the Transplantation Society, August 18th, 2010, Vancouver, BC. Abstract #2633.
25. **Mundinger GS**, Jones LS, Hui-Chou HG, Drachenberg CB, Shipley ST, Azimzadeh AM, Pierson RN III, Rodriguez ED, Bartlett ST, Barth RN. Costimulatory blockade does not promote survival of skin component in non-human-primate composite tissue allografts. Oral presentation, Experimental and Human

26. Hui-Chou HG, Price LA, Nam AJ, Magarakis M, **Mundinger GS**, Jones LS, Rodriguez ED. The relationship of abdominal wall reconstruction to intra-abdominal pressure in a pathophysiologic porcine model. *J Am Coll Surg*. 2010. 221(3S): S89. Oral Presentation, Surgical Forum, Plastic Surgery III, SF29, 96th Annual American College of Surgeons Clinical Congress, Oct 7th, 2010, Washington, DC.
27. **Mundinger GS**, Narushima M, Hui-Chou HG, Jones LS, Dorafshar AH, Shipley ST, Bartlett ST, Rodriguez ED, Barth R. Facial Composite Tissue Allografts Demonstrate Prolonged Graft Lymphedema Secondary to Impaired Lymphatic Drainage without Evidence of Rejection in a Non-Human Primate Model. *J Am Coll Surg*. 2010. 221(3S): S83. Oral presentation, Surgical Forum, Plastic Surgery II, SF28, 96th Annual American College of Surgeons Clinical Congress, Oct 6th, 2010, Washington, DC.
28. **Mundinger GS**, Hui-Chou HG, Nam AJ, Jones LS Shipley ST, Drachenberg CB, Kukuruga DL, Bartlett ST, Barth RN, Rodriguez ED. Non-human primate models of face and vascularized fibula composite tissue allotransplantation. Podium presentation, American Society for Reconstructive Transplantation 2nd Annual Meeting, Nov. 20th, 2010, Chicago, IL. Abstract #2207.
29. **Mundinger GS**, Hui-Chou HG, Munivenkatappa R, Drachenberg CB, Shipley ST, Jones LS, Dorafshar AH, Bartlett ST, Barth RN, Rodriguez ED. Chronic rejection responses are distinct from acute rejection responses in non-human primate models of facial and vascularized fibula composite tissue allotransplantation. Podium presentation, American Society for Reconstructive Microsurgery Annual Meeting, Jan. 17th, 2011, Cancun, Mexico. Abstract #11462.
30. **Mundinger GS**, Jones LS, Hui-Chou H, Dorafshar AH, Drachenberg CB, Shipley ST, Vanhove B, Azimzadeh A, Pierson RN, Bartlett ST, Rodriguez ED, Barth RN. Costimulatory blockade does not promote peripheral regulatory mechanisms to prolong composite tissue allograft survival in non-human primates. Podium presentation, American Society for Reconstructive Microsurgery Annual Meeting, Jan. 17th, 2011, Cancun, Mexico. Abstract #11686.
31. Bojovic B, **Mundinger GS**, Kelamis AJ, Dorafshar AH, Mithani SK, Manson PN, Rodriguez ED. Critical reappraisal of panfacial injury: evolution of a 12-year experience-based treatment algorithm. Surgical-Orthodontic Seminar: Current Issues in Surgical-Orthodontic Treatment, March 6-11, 2011, Steamboat Springs, CO.
32. Bojovic B, **Mundinger GS**, Kelamis AJ, Dorafshar AH, Mithani SK, Manson PN, Rodriguez ED. Critical reappraisal of panfacial injury: evolution of a 8-year experience-based treatment algorithm. Oral presentation, Surgery at the Red Sea International Symposium, March 23-26, 2011, Eilat, Israel.
33. Ha JS, Drachenberg CB, **Mundinger GS**, Papadimitriou JC, Alexiev AB, Haririan A, Jones LS, Bartlett ST, Rodriguez ED, Barth RN. Validating the banff classification of rejection in vascularized composite allografts and a look beneath the surface. 10th Symposium of the International Hand and Composite Tissue Allotransplantation Society, April 8th, 2011, Atlanta, GA.
34. **Mundinger GS**, Ha JS, Vaca E, Kelamis JA, Drachenberg CB, Munivenkatappa R, Shipley ST, Jones LS, Bartlett ST, Barth RN, Rodriguez ED. Histopathology of chronic rejection in non-human primate models of facial and vascularized fibula composite tissue allotransplantation. Joint Plenary Session V: Prope Tolerance, 10th Symposium of the International Hand and Composite Tissue Allotransplantation Society, April 9th, 2011, Atlanta, GA. Abstract #228.
35. Kelamis AJ, **Mundinger GS**, Feiner JM, Dorafshar AH, Manson PN, Rodriguez ED. Clinical significance of isolated bilateral zygomatic arch fractures: a retrospective review. American Association of Plastic Surgeons 90th Annual Meeting, April 11th, 2011, Boca Raton, FL. Abstract 211-A-133-AAPS
36. Ha JS, Drachenberg CB, **Mundinger GS**, Papadimitriou JC, Alexiev AB, Haririan A, Jones LS, Bartlett ST, Rodriguez ED, Barth RN. Validating the banff classification of rejection in vascularized composite allografts and a look beneath the surface. Poster presentation, 11th Annual American Transplant Congress, April 30th, 2011, Philadelphia, PA.

37. Ha JS, **Mundinger GS**, Kelamis AJ, Jones LS, Kukuruga D, Drachenberg C, Shipley ST, Rodriguez ED, Bartlett ST, and Barth RN. Replacement of donor bone marrow with recipient cells in non-human primate vascularized composite allograft model. Podium presentation, 11th Annual American Transplant Congress, May 3rd, 2011, Philadelphia, PA.
38. Yamamoto T, Narushima M, Doi K, Oshima A, Ogata F, Mihara M, Koshima I, **Mundinger GS**. Characteristic indocyanine green lymphography findings in lower extremity lymphedema: the generation of a novel lymphedema severity staging system using dermal backflow patterns. 6th Congress of the World Society for Reconstructive Microsurgery, June 29th- July 2nd, 2011, Helsinki, Finland.
39. **Mundinger GS**, Kelamis JA, Kim SH, Magarakis M, Jones LS, Ha JA, Rodriguez ED. Tunneled Superficial inferior epigastric artery (SIEA) myocutaneous / vascularized femur chimeric flaps: a model to study the role of vascularized bone marrow in composite allografts. Podium presentation, Basic II Session, American Society for Reconstructive Microsurgery Annual Meeting, January 15th, 2012, Las Vegas, NV. Abstract # 13078.
40. **Mundinger GS**, Vaca E, Kelamis JA, Dorafshar AH, Bojovic B, Christy MR, Manson PN, Rodriguez ED. Facial Fractures with Concomitant Globe Rupture: Injury Mechanisms and Fracture Patterns Associated with Blindness. Poster presentation, American Association of Plastic Surgeons 91st Annual Meeting, April 16th, 2012, San Francisco, CA. Abstract #P49
41. Bojovic B, **Mundinger GS**, Kelamis JA, Dorafshar AH, Mithani SK, Manson PN, Rodriguez ED. Critical Reappraisal of Pan-Facial Injury: Evolution of a 12 Year Experience-Based Treatment Algorithm. Poster presentation, American Association of Plastic Surgeons 91st Annual Meeting, April 16th, 2012, San Francisco, CA. Abstract #P50
42. Ha JS, **Mundinger GS**, Jones LS, Kukuruga D, Drachenberg CB, Shipley ST, Rodriguez ED, Bartlett ST, Barth RN. Vascularized Bone Marrow Does Not Protect Renal Allografts in Unconditioned Non-Human Primates. Oral presentation, Clinical and Translational Research in Vascularized Composite Allotransplantation Session, 12th Annual American Transplant Congress, June 3rd, 2012, Boston, MA. Abstract #1666
43. Bellamy JL, **Mundinger GS**, Massie AB, Kelamis JA, Dorafshar AH, Christy MR, Rodriguez ED. Blunt Mechanism Facial Fracture Patterns Associated with Death. Poster presentation . 57th Annual Meeting of the Plastic Surgery Research Council, June 15th, 2012, Ann Arbor, MI. Abstract #1169
44. Hung BP, Salter EK, Temple J, **Mundinger GS**, Brown EN, Rodriguez ED, Grayson WL. Reamer Irrigator Aspirate (RIA) Putty for Engineering Craniofacial Bone Grafts. Oral presentation, Tissue Engineering & Regenerative Medicine International Society (TERMIS) World Congress, September 5th-8th, 2012, Vienna, Austria.
45. Mohan R, Hui-Chou HG, Wang H, Nam AJ, Magarakis M, **Mundinger GS**, Brown EN, Kelamis JA, Jones LS, Drachenberg CB, Price LA, Christy MR, Rodriguez ED. Physiologic changes with abdominal wall reconstruction in a porcine abdominal compartment syndrome model. Poster presentation, 92nd Annual Meeting of the American Association of Plastic Surgeons, April 20-23, 2013, New Orleans, LA. Poster #P74
46. Mohan R, **Mundinger GS**, Brown EN, Kelamis JA, Bojovic B, Christy MR, Dorafshar AH, Rodriguez ED. Comparison of free fibular flaps to reamer-irrigator-aspirator (RIA) putty for reconstruction of critical sized porcine mandibular defects. Poster presentation, 92nd Annual Meeting of the American Association of Plastic Surgeons, April 20-23, 2013, New Orleans, LA. Poster #P44
47. **Mundinger GS**, Christy MR, Borsuk DE, Okhah Z, Bojovic B, Dorafshar AH, Rodriguez ED. Antibiotics and Facial Fractures: Evidence-Based Recommendations Compared to Experience-Based Practice. Poster presentation, 92nd Annual Meeting of the American Association of Plastic Surgeons, April 21st, 2013, New Orleans, LA. Abstract #P34
48. Bellamy JL, Molendijk J, Reddy SK, **Mundinger GS**, Flores JM, Manson PN, Rodriguez ED, Dorafshar AH. Severe infectious complications following frontal sinus fracture: the impact of operative delay and perioperative antibiotic use. Podium presentation, 58th Annual Meeting of the Plastic Surgery Research Council, May 2nd, 2013, Santa Monica, CA Abstract #1605

49. Mohan R, Brown EN, **Mundinger GS**, Kelamis JA, Bojovic B, Christy MR, Dorafshar AH, Rodriguez ED. Comparison of free fibular flaps to reamer-irrigator-aspirator (RIA) system for reconstruction of critical sized porcine mandibular defects. Podium presentation, 58th Annual Meeting of the Plastic Surgery Research Council, May 3rd, 2013, Santa Monica, CA. Abstract #1633
50. Wang HD, Chou HH, Mohan R, Nam AJ, Magarakis M, **Mundinger GS**, Brown EN, Kelamis JA, Jones LS, Drachenberg CB, Price LA, Christy MR, Rodriguez ED. Physiologic changes with abdominal wall reconstruction in a porcine abdominal compartment syndrome model. Podium presentation, 58th Annual Meeting of the Plastic Surgery Research Council, May 3rd, 2013, Santa Monica, CA. Abstract #1603
51. Utria AF, **Mundinger GS**, Zhou J, Ghasemzadeh A, Yang R, Dorafshar AH. What is the optimal age for cranial vault remodeling in syndromic craniosynostosis? Insights from the Johns Hopkins experience. Podium presentation, Plastic Surgery Research Council 59th Annual Meeting, March 8th, 2014, New York, NY. Abstract # 2014-A-235-PSRC
52. Vranis NM, **Mundinger GS**, Bellamy JL, Banda A, Yang R, Dorafshar AH, Rodriguez ED. Fractures of the mandibular condylar base are associated with severe blunt internal carotid artery injuries. Podium presentation, Plastic Surgery Research Council 59th Annual Meeting, March 8th, 2014, New York, NY. Abstract # 2014-A-430-PSRC
53. Ghasemzadeh A, **Mundinger GS**, Utria A, Dorafshar AH. Management of pediatric condylar and subcondylar fractures: the algorithmal impact of concomitant mandibular arch fractures. Plastic Surgery Research Council 59th Annual Meeting, March 8th, 2014, New York, NY. Abstract #2014-A-235-PSRC
54. Utria AF, **Mundinger GS**, Justin Bellamy J, Zhou J, Ghasemzadeh A, Rachwalski M, Yang R, Dorafshar AH. What is the optimal age for cranial vault remodeling in syndromic craniosynostosis? Insights from the Johns Hopkins experience. 71st Annual Meeting of the American Cleft Palate-Craniofacial Association, March 26th, 2014, Indianapolis, IN. Abstract #626
55. Ghasemzadeh A, **Mundinger GS**, Utria AF, Dorafshar AH. Management of pediatric condylar and subcondylar fractures: the algorithmal impact of concomitant mandibular arch fractures. 71st Annual Meeting of the American Cleft Palate-Craniofacial Association, March 24-29, 2014, Indianapolis, IN. Abstract #534
56. Sosin M, De La Cruz C, **Mundinger GS**, Bojovic B, Christy MR, Rodriguez ED. Traumatic optic neuropathy: an 8-year experience of management and outcomes. American Society of Plastic Surgery, National Meeting, Chicago IL. Published in *Plast Reconstr Surg*. 2014. 134(4S-1): 17
57. **Mundinger GS**, Bellamy JL, Flores JM, Wimmers E, Yalanis GC, Rodriguez ED, Sacks JM. Do adjunctive flap monitoring technologies impact clinical decision making? An analysis of microsurgeon preferences and behavior by body region. American Society for Reconstructive Microsurgery Annual Meeting, January 25th, 2015, Atlantis Paradise Island, Bahamas.
58. Sosin M, **Mundinger GS**, Dorafshar AH, Fisher M, Bojovic B, Christy MR, Iliff NT, Rodriguez ED. Eyelid transplantation: Lessons from a total face transplant and the importance of blink. American Society for Reconstructive Microsurgery Annual Meeting, January 26th, 2015, Atlantis Paradise Island, Bahamas.
59. Sosin M, **Mundinger GS**, Iliff NT, Christensen JM, Dorafshar AH, Christy MR, Bojovic B, Rodriguez ED. Optimizing reconstruction with periorbital transplantation: Clinical indications and anatomic considerations. American Society for Reconstructive Microsurgery Annual Meeting, January 26th, 2015, Atlantis Paradise Island, Bahamas.
60. Sosin M, **Mundinger GS**, Drachenberg CB, Rodriguez ED. Evidence of lymphatic neovascularization and early reconstitution of lymphatics following face transplantation. Short oral presentation, Innovations and Libations session, American Association of Plastic Surgeons 94th Annual Meeting, April 13th, 2015, Scottsdale, AZ. Abstract #29. Published in *Plast Reconstr Surg*. 2015. 135(4S): 1192
61. Coon D, Kosztowski M, **Mundinger GS**, Grant MP, Redett RJ. Surgical indications and ophthalmologic considerations for repair of isolated pediatric orbital fractures: Multidisciplinary experience

in 150 children. American Association of Plastic Surgeons 94th Annual Meeting, April 13th, 2015, Scottsdale, AZ. Abstract #P5. Published in *Plast Reconstr Surg.* 2015. 135(4S): 1212

62. **Munding GS**, Kapadia H, Dorafshar AH, Lopez J, Roberts S, Medina MA, Soni A, Hopper RA. Segmental midface surgery for severe sleep apnea in achondroplasia. International Society of Craniofacial Surgeons 16th International Congress, September 14th-18th, 2015, Tokyo, Japan.

63. Brown JJY, **Munding GS**, Birgfeld C, Guo Y, Lee A, Hopper RA. Timing of closure of anterior skullbase in syndromic infants: implications for early monobloc. International Society of Craniofacial Surgeons 16th International Congress, September 14th-18th, 2015, Tokyo, Japan.

JOURNAL AFFILIATIONS

6/15- present	Aesthetic Surgery Journal	<i>Ad Hoc</i> Reviewer
2/14 -present	Clinical Transplantation	<i>Ad Hoc</i> Reviewer
5/09- present	Eplasty	<i>Ad Hoc</i> Reviewer

EDITORIAL ACTIVITIES

2014 Abstract reviewer, 2014 World Transplant Congress, Sections 148 and 149, Vascularized Composite Allograft sections (sections 148 and 149)

PROFESSIONAL MEMBERSHIPS

The Transplantation Society: Trainee Member ID 16708
Plastic Surgery Research Council: ID 2426
American Society of Maxillofacial Surgeons: Resident Affiliate ID 140740
American Society of Plastic Surgeons: ID 102633
American Society for Reconstructive Microsurgery, Candidate Member: ID 160273, inducted 2/2009
American College of Surgeons: ID 03098209
American Association for Cancer Research: ID 133782
AO North America: ID 53335
AO CMF: ID 71822
European Plastic Surgery Research Council
The Johns Hopkins Medical and Surgical Association: ID 1346212

COMMITTEE MEMBERSHIP

Johns Hopkins Hospital Housestaff Patient Safety and Quality Committee: 7/12-6-13
Johns Hopkins House Staff Council Hospital Services, Environment of Care, and Education Committee: 7/08-6/09
Hampden Community Council: Member 2007-2008

CONTINUING MEDICAL EDUCATION: (not listed elsewhere)

32nd Annual Dallas Rhinoplasty Symposium, March 6-8th, 2015, Dallas, TX.

American Society of Maxillofacial Surgeons Pre-Conference Symposium. October 9th, 2014, Chicago, IL.

American Society of Plastic Surgery: The Meeting. October 10-14th, 2014. Chicago, IL.

American Society for Aesthetic Plastic Surgery 2014 Annual Meeting. April 24th-29th, 2014, San Francisco, CA.

Optimizing Outcomes in Breast Reconstruction: Tips, Products, Techniques, and Discussion. February 28th - March 1st, 2014, Las Vegas, NV.

15th International Course on Perforator Flaps. November 21st-24th, 2013, New York, NY.

American Society for Reconstructive Transplantation Cadaver Workshop. July 20th-21st, 2013, University of Pennsylvania School of Medicine, Philadelphia, PA.,

CME Outfitters Advanced Orbital Surgery Symposium: A Tribute to the Orbital Surgery of Paul Tessier May 3-5th, 2012, Baltimore, MD. 25.5 AMA PRA Category 1 Credits.

American Society of Maxillofacial Surgeons Basic Course. University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania August 19-21st, 2011

AO Challenges and Advances in the Management of CMF Surgery. Focus: Microsurgery. May 12th-14th, 2011, Baltimore, MD. 23 AMA PRA Category 1 Credits.

Inaugural Technology Innovation in Plastic Surgery (TIPS) Meeting, San Francisco, CA, May 22-23rd, 2010.

Pfiedler Enterprises/Advanced Cranio-Maxillofacial Forum Advanced Orbital Symposium. Baltimore, MD. May 13th-15th, 2010. 24.5 AMA PRA Category 1 Credits.

American Society for Aesthetic Plastic Surgery (ASAPS) Annual Meeting, Washington, D.C., April 22-27th, 2010.

American Association of Plastic Surgeons 89th Annual Meeting Aesthetic Symposium, San Antonio, TX, March 20th-21st, 2010.

American Society for Reconstructive Microsurgery/American Association for Hand Surgery/American Society for Peripheral Nerve Annual Meeting, Boca Raton, FL, January 9-12, 2010. 31.75 AMA PRA Category 1 Credits.

Aesthetic Advancements Combined Use of BTX-A and Dermal Filler for Facial Enhancement: Fundamental Techniques Course, Baltimore, MD, September 25th, 2009. 8.5 AMA PRA Category 1 credits.

AO State of the Art Craniofacial Microsurgery Reconstruction Course, Baltimore, MD. March 12th-14th, 2009. 25 AMA PRA Category 1 Credits.

AO Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction Course. St. Louis, MO. November 8th-9th, 2008. 12AMA PRA Category 1 Credits.

Optimizing Aesthetic Outcomes in Breast Reconstruction Postmastectomy: Inferior Pole Support with LifeCell Tissue Matrices. New York, NY. October 24th-26th, 2008.

AO ASIF Challenges and Advances in the Management of Craniomaxillofacial Surgery: Focus: A State-of-the-Art Analysis of Surgical Challenges of the Orbit. Baltimore, MD. April 2-3, 2005. 13 AMA PRA Category 1 Credits.

MENTORING:

2013-present Alan Utria, medical student, Johns Hopkins University School of Medicine, Baltimore, MD.

2013- present Neil Vranis, medical student, University of Maryland Medical School, Baltimore, MD.

2012- present Justin Bellamy, B.S., medical student, Johns Hopkins University School of Medicine, Baltimore, MD; accepted to integrated plastic surgery residency position, New York University, New York, NY.

2013 Zach Okhah, M.D., rotating medical student, Johns Hopkins Hospital, Baltimore, MD;

current integrated resident in plastic surgery, Brown University, Providence, RI.

2011-13 Elbert Vaca, M.D., medical student, Johns Hopkins Medical School; current resident in plastic surgery, Northwestern University, Chicago, IL.

INTERNATIONAL ROTATIONS:

4-5/07 **Allgemeines Krankenhaus** Vienna, Austria
Department of Reconstructive and Plastic Surgery,
Mentors: Dr. Manfred Frey and Dr. Oscar Aszman

5-6/07 **Tokyo University Hospital** Tokyo, Japan
Department of Plastic and Reconstructive Surgery
Mentor: Dr. Isao Koshima

WORK EXPERIENCE

9/09-7/11 **Associate Staff** Baltimore, MD
Mercy Medical Center Department of Surgery

8/09-7/11 **Surgical Assistant** Baltimore, MD
Northwest Hospital Department of Surgery

7/09-8/09 **Staff Physician** Baltimore, MD
Johns Hopkins Bayview Medical Center Burn Intensive Care Unit

7/09-7/11 **Staff Physician** Baltimore, MD
Johns Hopkins Hospital Cardiac Surgery Intensive Care Unit

5/09-7/11 **Staff Physician** Chevy Chase, MD
Hela Spa

1/09-7/11 **Support Associate** Baltimore, MD
Provider Order Entry System, Johns Hopkins Hospital

1-8/01, 8/05-6/06 **MCAT Instructor** Ann Arbor, MI & Washington DC
The Princeton Review

8/01-6/02 **Middle School Science and Math Instructor** Gainesville, GA
Lakeview Academy
Taught 6th and 7th grade Mathematics, 7th grade Life Sciences, and 8th grade Algebra I

1/99-8/01 **Fossil Preparator** Ann Arbor, MI
University of Michigan Paleontology Preparatory Lab

VOLUNTEER EXPERIENCE

11/29-12/7/2014 **Surgical Volunteer** San Juan, Puerto Rico
San Jorge Children's Hospital / San Jorge Children's Foundation
Pediatric surgical mission trip. Site leader: Robert L. Walton, MD

1/2013 **Surgical Volunteer** Udon Thani, Thailand
Changing Children's Lives
Cleft mission trip to Prajaksinlapakhom Army

8/03-07/07 **Big Buddy/Little Buddy Program** Baltimore, MD
Johns Hopkins Hospital Moore Clinic
Big Buddy to HIV positive teen

7/00,7/02,7/03 **Medical Volunteer -Habitat for Humanity/Salt and Light** Los Caminos, Honduras
Gerhard S. Munding, M.D.

- 7/05 Assisted physicians in rural field clinic; laid foundations for several community houses; aided in construction of permanent clinic
- 12/02-12/03 **HIV/AIDS Counselor- *The Men's Center*** Baltimore, MD
Performed HIV testing, HIV/AIDS counseling and referrals as a state-certified HIV counselor.
- 9/00-3/01 **Site Leader -*Alternative Spring Break*** Eagle Butte, SD
Orchestrated group fundraisers; compiled and presented educational materials on Lakota Sioux culture; led student group to Cheyenne River Reservation; oversaw after-school care program for disadvantaged reservation youth.
- 1/00-3/00 **Volunteer- *Alternative Spring Break*** Hialeah, FL
Developed daily activities for inner-city high school students; served meals at city-wide homeless shelter.

FIELD EXPERIENCE

- 7-8/99 **University of Michigan Biological Station-** Pellston, MI
Collected entomological data; completed and presented an original project on interspecific fly larval relationships within the pitcher plant *Sarracenia purpurea*.
- 7-8/98 **University of Michigan Camp David-** Jackson Hole, WY
Performed geologic sampling and fluvial monitoring

LANGUAGES

- German (intermediate): Four semesters as undergraduate, completed intensive immersion course at Goethe Institute language school, Prien, Germany, 6-7/98
- Spanish (beginner): Completed intensive immersion course at Excel Language School, Cusco, Peru, 7-8/02
- Japanese (beginner): Two semesters introductory graduate coursework at National Institutes of Health Foundation for Advanced Education in the Sciences 9/05-6/06

PHOTOGRAPHY

- 1/11/11-3/31/11 **3rd Annual Exhibit and Awards of the National Arts Program for Johns Hopkins Medicine-** Baltimore, MD
Johns Hopkins Hospital
- 12/15/09-2/11/10 **2nd Annual Exhibit and Awards of the National Arts Program for Johns Hopkins Medicine-** Baltimore, MD
Johns Hopkins Hospital
- 2-5/07 **Images of Global Health Photography Exhibit-** Baltimore, MD
Enoch Pratt Free Library
Winner: "Best Photograph" award
- 2/07 **Published Photography- *The Dome* magazine** Baltimore, MD
Johns Hopkins Hospital monthly news magazine
- 2004, 2005 **Published Photography- *MEME* magazine** Baltimore, MD
Johns Hopkins graduate student literary magazine
- 9/03-4/04 **Photography Exhibit- *Student Lounge*** Baltimore, MD
The Johns Hopkins University School of Medicine