

CURRICULUM VITAE

Date: December 6, 2008

Name: Marcella Roper Bothwell, MD, FAAP

Business Address: Medical Office Building Suite 402
3030 Children's Way
San Diego, CA 92123

Education:

<u>Graduation</u>	<u>Dates</u>	<u>Degree</u>	
Washington University Department of Otolaryngology	1998 - 2000	Fellow	June 2000
University of Missouri Division of Otolaryngology	1994 - 1998	NA	June 1998
University of Missouri Department of Surgery	1993 - 1994	NA	June 1994
University of Missouri School of Medicine	1988 - 1993	MD	May 1993
University of Missouri Post Sophomore Fellow Pathology Departments of University of Missouri And Yale University	1990 - 1991	NA	NA
University of Glasgow Scotland	June 1992	Exchange	NA
Drury College	1984 - 1988	BA	May 1988
Southwest Missouri State University	Summer 1986	N/A	N/A

Licensure and Certification:

American Board of Otolaryngology
April 24, 2000.

State of California License– January 15, 2009
State of Missouri License MD – January 31, 2009

DEA – July 31, 2009

Previous Employment:

Assistant Professor, University of Missouri Health Care
Department of Otolaryngology – Head and Neck Surgery
One Hospital Drive MA 314C
Columbia, Missouri 65212
(573) 882-8175 (w)

Assistant Professor, Department of Pediatrics
University of Missouri Health Care

Medical Director, ENT office at Boone Clinic
2003 to Present
Columbia, MO

Clinical Instructor, Department of Otolaryngology –
Pediatric Otolaryngology 2000 - 2001
Washington University / St Louis Children's Hospital
One Children's Place
St Louis, MO

University Service:***Academic University of Missouri School of Medicine:***

- Admissions Committee University of Missouri School of Medicine (August 2004 – 2007)
- Campus Health Oversight Committee (2003 – 2007)
- Campus Lecturer Committee (2005- 2007)
- Otolaryngology Research Committee (2000 – 2007)
Co-chair (2004-present)

Rady Children's Hospital and University of Missouri Health Science Center:

- Pediatric Airway and Aerodigestive Team, Chair, (2007 – present)
- Physicians Medical Group Board of Advisors (2007 – present)
- Continuous Quality Improvement committee – Institute for Outpatient Surgery (2002 – Present)
- Ethics Committee - Columbia Regional Hospital (2001 – Present)
- Quality Assurance Committee - Columbia Regional Hospital (2000 – 2002)
- Pharmacy Committee – University of Missouri Health Care (2000 – 2001)
- House Staff Organization at the University of Missouri – Treasurer (1994 – 1995)

Memberships:

- American Academy of Otolaryngology / Head and Neck Surgery
- American Society of Pediatric Otolaryngology
- American Academy of Pediatrics, Fellow
- ENTPAC

- ENTPAC Board of Directors (1998 – 2006; 2008 - current)
- Society for the Advances in Ear, Nose, and Throat Advances in Children
- Alpha Omega Alpha (1992- Present)
President, University of Missouri Chapter (1992-1993)

Honors and Awards:

- Kiplinger's Who's Who 2008
- Consumer's Research Council, 'America's Top Physicians 2007'; 'America's Top Physicians 2008
- The Global Who's Who 2006 – to present
- ENT Delegate to Russia (by invitation only), People to People Ambassador program, April 2006
- First Place, Annual Research Day poster contest, November 2003
- Service Quality Hero of the Month, October 2003
- ENT Delegate to China (by invitation only), People to People Ambassador program, December 2002
- *American Academy of Otolaryngology Head and Neck Surgery*, Finalist for Big on Goals Award from Board of Governors September 2005.
- Who's Who of American Women September 2005.
- 1999 Outcomes Research Small Project Award – \$10,000 ; fellowship grant
- Southern Medical Society Annual meeting/ Otolaryngology division-
second place for paper presentation - GER and Pediatric Sinusitis
- Resident Travel Award- American Academy of Otolaryngic Allergy-
September 1995
- Division of Otolaryngology Award in Excellence - 1993
- Holt Leadership Award Graduation Ceremony - 1993
- Janet M. Glasgow Memorial Achievement Citation - 1993
- Academic All American (Tennis) - 1987
- Varsity Tennis Letter
- Outstanding Senior Woman Nominee- Drury College (1988)
- Pi Delta Phi (French Honor Society)

Contracts and Grants and Clinical Research (as applicable):

Completed:

- **2006 - University of Missouri Research Board beginning 2005 with Dr Michael Misfeldt**
- Viral Toll-Like Receptors in Human Adenoid Tissue
- **2005 - Medtronic Corporation, MN - Safe passage of Bravo pH capsule in piglet model,**
approximately \$4500
- **2001 - Children's Miracle Network Grant - Reflux in ENT, \$8,000**
- **1999 - American Academy of Otolaryngology / Head and Neck Surgery - 1999 Outcomes Research Small Project Award, \$10,000**

External Professional Activities:

NATIONAL

- American Academy of Otolaryngology – Board of Governors Public Relations Committee Chair (2008 - present)
- American Academy of Otolaryngology – Board of Governors Executive Committee (2008 - present)
- American Academy of Otolaryngology – Board of Governors Public Relations Committee Vice Chair (2006 –2008)
- American Academy of Otolaryngology - Pediatric Otolaryngology Committee (2002 – Present)
- American Academy of Otolaryngology - Extra esophageal reflux subcommittee (2004 – present)
- Society for the Advances in Ear, Nose, and Throat Advances in Children - Credentials Committee (2001 – 2004)
- Society for the Advances in Ear, Nose, and Throat Advances in Children – Research Presentation Committee (2007)
- American Society of Pediatric Otolaryngology - Ad Hoc Committee of Socioeconomics (2006) Co-chair 2006
- Society of University Otolaryngology – Young Physicians Committee (2004-2007)
- American Academy of Otolaryngology - Board of Governors subcommittee on Otolaryngology Risk Retention Groups (2005 – 2007)
- American Academy of Otolaryngology - Outcomes Research Committee (2002 – 2005)
- Committee on Residents and Fellows in Training (CRFT) - American Academy of Otolaryngology (1996 - 2000)
Board of Directors liaison (CRFT), American Academy of Otolaryngology (1996 - 1998)
Chair, CRFT (1996- 1997)
Governor, Board of Governors AAO-HNS (1996- 1997)

STATE

- San Diego Academy of Otolaryngology / Head and Neck Surgery, Secretary / Treasurer (2007 – to present) (President elect 2008- present)
- San Diego Academy of Otolaryngology / Head and Neck Surgery, Public Relations Representative (2007 – to present)
- Missouri Head and Neck Society
Governor for Society – Governor to the American Academy Board of Governors.
(2003 – 2007)

Other Activities:

Public Relations activities

Radio

- Chicago WCEV-AM, Fall 2007, ‘Would you share a cigarette with your child: the dangers of second hand smoke’

Television

- San Diego Fox News, March 2008, Down Syndrome Clinic Opening
- San Diego News 7, December, 2008 Colds vs Sinusitis- pending
- San Diego News 7, December 2008 Ear tubes and colds - pending

Newsprint or Magazine articles

- Washington Post, March 18, 2008 'Coming Around to Ear Tubes – Surgery and other Treatments'
- Scholastic magazine, 2008, 'Why do we close our eyes when we sneeze?'
- Parents magazine, November 2006, 'Check Those Tonsils'

Internet

- Marci-kids.com - Midwest Acid Reflux Children's Institute where parents get up to date information on pediatric extra esophageal reflux.

Editorial Reviewer

- Otolaryngology Head and Neck Surgery
- The Laryngoscope

Student Instructional Activity:

University of Missouri School of Medicine:

- Otolaryngology Medical Student coordinator 2000-2007
 - M3 and M4 Medical student 2 week and 4 week block
- Resident conference curriculum 2000-2007
- 4 - 6 core lectures on pediatric otolaryngology.
- 4 - 6 core lectures regarding outcomes research.

BIBLIOGRAPHY

Published Journal Articles- Peer Reviewed:

- Bothwell, MR, Parsons, DS, Talbot, A, Barbero, G, Wilder, B. **Outcome of reflux therapy on pediatric chronic sinusitis.** Otolaryngology Head & Neck Surg. Vol 121 No 3, 255-262, 1999. *SELECTED and REPRINTED in American Academy of Otolaryngology Home Study Course
- Zitsch RP and Bothwell MR. **Actinomycosis: A potential complication of head and neck surgery.** Am J. Otolaryngol. Vol 20, No 4 (July-August) 260-262, 1999.
- Parsons DS and Bothwell MR. **Powered Instrument Papilloma Excision: An alternative to laser therapy for recurrent respiratory papilloma.** Laryngoscope. Vol 111. 1494-1496, 2001.
- Parsons DS and Bothwell MR. **Pediatric Chronic Rhinosinusitis: A step-wise approach to medical and surgical management.** Operative Techniques in Otolaryngology. Vol 12, No 1, 34-39, 2001.
- Early EK and Bothwell MR. **Congenital tracheal stenosis.** Otolaryngology- Head Neck Surg, July, 2002.
- Bothwell MR, Piccirillo J, Lusk RP, Ridenour B. **Long-term outcome of facial growth after pediatric FESS.** Otolaryngol Head Neck Surg, 126(6):628-34, June 2002. *SELECTED and REPRINTED in American Academy of Otolaryngology Home Study Course
- Katcher K, Bothwell MR, and Tobias JD. **Anesthetic implications of Costello syndrome.** Pediatric Anesthesia. Vol 13, 257-262, 2003.

- Roodeman S, Bothwell MR, Tobias J. **Bradycardia with Sevoflurane Induction in Patients with Trisomy 21.** Pediatric Anesthesia. 2003 Jul;13(6):538-40.
- Bothwell MR, Smith A, Phillips T. **Recalcitrant Otorrhea Due to Pseudomonas Biofilm.** Otolaryngology Head Neck Surg. Vol 129 (5), 599 -601, 2003.
- Bothwell MR, Phillips J, Bauer S. **How I Do It: Upper Esophageal pH Monitoring of Children with the Bravo pH Capsule.** Laryngoscope Vol 114, April 2004.
- Wheeler Adam, Bothwell Marcella, Tobias Joseph D. **Preliminary Findings of Medications Withdrawal Following Laryngototracheoplasty.** American Journal of Pain Management, January 2005.
- Upmeyer S, Bothwell M, Tobias JD. **Perioperative Care of a Patient with Beare-Stevenson Syndrome – A Case Report.** Pediatric Anesthesia, 15:1131-1136, 2005.
- Bothwell MR. **Human Papilloma Virus Masquerading as Adenoid Hypertrophy – A Case Report.** Otolaryngology Head Neck Surg. Vol 133 (2), 308-309, 2005.
- Daines D, Bothwell MR, Furrer J, Unrath W, Nelson K, Jarisch J, Melrose N, Greiner L, Apicella M, Smith A L. **Haemophilus influenzae luxS mutants form a biofilm and have increased virulence.** Microbial Pathogenesis, Vol 39, 87-96, June 2005.
- Patenaude B, Chase S, Bothwell M. **Pediatric foreign body and an unusual Xray finding,** Ear, Nose Throat J. 2006 Feb; 85 (2) 78.
- Bhombal, Shazia, Bothwell, Marcella, Bauer, Susan. **Prevalence of Elevated Total IgE and Food Allergies in a Consecutive Series of ENT Pediatric Patients.** Otolaryngology Head and Neck Surgery April 2006 134(4) 578-8.
- Lesmeister MJ, Bothwell M, Misfeldt ML. **Toll-like receptor expression in the human nasopharyngeal tonsil (adenoid) and platine tonsils: A preliminary report,** 2006 June 70 (6) 987-92.
- Bothwell, Marcella, Deshmukh, Sanaa. **Clinical Situations...Long Lasting Pressure Equalization Tubes.** Archives of Otolaryngology – Head and Neck Surgery.
- Lusk RP, Bothwell MR, Piccirillo J. **Long-term outcomes of pediatric FESS,** Laryngoscope 2006

Publications in Press:

Little J, Rutter M, Bauman N, **Bothwell MR**, McMurray S, Yellon R, McGuirt W, Thompson D, Survey of Diagnostic Testing for Pediatric Extraesophageal Reflux

Non Peer Reviewed Articles:

- Bothwell, MR and Chase, S. **The Gene for Nasal Polyps.** Cystic Fibrosis on the Trail. 13 (2) 14-15. June, 2003.
- Bothwell, MR. **Dr. Bothwell goes to China.** The Bulletin of the American Academy of Otolaryngology, 2001
- Cystic Fibrosis on the Trail. 13 (1) 10. March, 2003.
- Bothwell, M. **From Red to Vibrant,** The Bulletin of the American Academy of Otolaryngology, 2006

Book Chapters:

- Bothwell MR, Phillips J, Turpin, S. **ENT complications of Extra Esophageal Reflux,** March 2006.
- Parsons DS and Bothwell MR, **The Minimally Invasive Approach in Pediatric Functional**

Endoscopic Sinus Surgery. Pediatric Nasal and Sinus Disorders. Eds: Tania Sih and Peter Clement, Pub: Marcel Dekker, New York, New York.

- Parsons DS and Bothwell MR, **Pediatric Chronic Rhinosinusitis: a medical or surgical disease**, Pediatric Nasal and Sinus Disorders. Eds: Tania Sih and Peter Clement, Pub: Marcel Dekker, New York, New York.
- Parsons, DS and Bothwell, MR, **Choanal Atresia**, In: Gellis and Kagan's Current Pediatric Therapy, 16th edition.

PRESENTATIONS

INTERNATIONAL

- **CT guided Functional Endoscopic Sinus Surgery**
December 2002
Beijing, People's Republic of China
- **Middle Ear Malformations and Tumors**
December 2002
Beijing, People's Republic of China
- **Pediatric Rhinosinusitis: Indications and Techniques**
May, 2006
Moscow, Russia
- **Prolonged Proton pump inhibitor therapy for Extra Esophageal Reflux and Anemia**
ESPO June, 2006
Paris, France
- **Chronic Sinusitis and Immunodeficiency**
August 2007
Buenos Aires, Argentina

NATIONAL

Instructional courses and seminars:

- Pediatric Airway for the General Otolaryngologist, American Academy of Otolaryngology Foundation Meeting, Chicago, 2008
- Endoscopic tour of the pediatric airway, Common Childhood Problems Conference, For the practitioner who cares about children, June 7 and 8, 2002
- Deep tissue infections of the neck, Common Childhood Problems Conference, For the practitioner who cares about children, June 7 and 8, 2002

Other presentations:

- Bothwell, Marcella, MD, Parsons, David, MD, Talbot, Andrew, MD Barbero, Giulio, MD, Wilder, Barbara, MSN. **Outcome of GER treatment on Pediatric Rhinosinusitis**, American Academy of Otolaryngology- Head and Neck Surgery - Annual Meeting Scientific Session, Washington, DC
September 1996.
- Bothwell, Marcella, MD, Parsons, David, MD, Talbot, Andrew, MD Barbero, Giulio, MD, Wilder, Barbara, MSN, **GER and Pediatric Sinusitis**
Southern Medical Association Annual Meeting,
Kansas City, MO, 1995.

- Bothwell, Marcella, MD, Parsons, DS, MD, Renner, G, MD, **LeFort I Osteotomy Approach in Juvenile Nasopharyngeal Angiofibroma**, 24th Annual Convention for the Society for Ear, Nose, and Throat Advances in Children- Chicago, IL, December 1996.
- Jones, TA and Bothwell, MR, **Electrophysiological responses to pulsed linear acceleration: specifically in the rat**, American Academy of Otolaryngology- Head and Neck Surgery Annual Meeting Research Forum San Francisco, CA. September 1997.
- Parsons, DS and Bothwell, MR. **Pipe (Powered Instrument Papilloma Excision): an alternative to laser therapy for recurrent respiratory papilloma**. 25th Annual Convention for the Society for Ear, Nose, and Throat Advances in Children Florida, December 1997.
- Bothwell MR, Muntz HR. **Repair of choanal atresia in the pediatric patient with the transeptal approach**. Presented at the American Pediatric Otolaryngology Society Meeting, Palm Desert, CA., April 1999.
- Bothwell MR, Muntz HR, Prater D. **Physician Survey on the care of children with tracheostomy – 2000**.
Poster presentation
Presented at the American Pediatric Otolaryngology Society Meeting, Orlando, FL, May 2000.
- Early EK and Bothwell MR. **Congenital tracheal stenosis**.
Poster presentation
Presented at the American Academy of Otolaryngology- Head and Neck Surgery, Annual Scientific Meeting, Denver, CO, September 2001.
- Bothwell MR, Piccirillo J, Lusk RP, Ridenour B. **Long-term outcome of facial growth after pediatric FESS**.
Presented at the Academy of Otolaryngology- Head and Neck Surgery Annual Research Meeting, September 2001
- Bothwell MR and Smith AL. **Recalcitrant Otorrhea due to Pseudomonas Biofilm**.
American Academy of Otolaryngology- Head and Neck Surgery Annual Scientific Meeting San Diego, CA, September 2002.
- Smith AL and Bothwell MR. H. **Influenza Otitis Media**. American Society for Microbiology, General Meeting, May, 2003.
- Bothwell MR Bravo **pH probe in the neonatal porcine model**, American Society of Pediatric Otolaryngology, April 2005 Las Vegas, NV.

STATE - MO

15 Minutes of Terror: the Pediatric Airway. Missouri State Head and Neck Society, Jefferson City, MO, 2002

Discussion of the Recurrent Respiratory Papilloma in Humans. Missouri State Medical Society, St. Louis, MO, 2001.

Reflux and Sinus of disease. Ogura Day - Washington University, Research Day 2004.

LOCAL – CA

Endoscopic Tour of the Pediatric Airway. 2007 Grand Rounds Sharp Memorial Hospital, Fall 2007

LOCAL - MO

Examination of the Ear, Nose, and Throat. School Nurses Annual Missouri State Meeting, July 1996.

Pediatric neck mass. . Pediatric Grand Rounds at Washington University, 1999.

Peritonsillar abscess. Pediatric Grand Rounds at the University of Missouri, Fall, 1997.

Subperiosteal orbital abscess. Pediatric Grand Rounds at the University of Missouri, Fall, 1999.

Pediatric airway obstruction. Pediatric Grand Rounds at the University of Missouri, Fall, 2000.

Pediatric neck mass. Pediatric Grand Rounds at the University of Missouri, Spring, 2001.

Functional endoscopic sinus surgery and cystic fibrosis, Cystic Fibrosis State Presentation, 2001.

Establishment of an animal model for acute otitis media, Presented at School of Medicine Research Day Poster session, Hempel, C.R., Bothwell, M., Smith, A. 2001.

Endoscopic Tour of the Pediatric Airway. 2002 Common Childhood Problems Conference, Columbia, MO 2002.

Deep Tissue Infections of the Neck. 2002 Common Childhood Problems Conference, Columbia, MO 2002.**Reflux and ENT,** Pediatric Grand Rounds at the University of Missouri. Fall, 2003.

Prevalence of elevated IgE and food allergies in a consecutive series of pediatric ENT patients. University of Missouri School of Medicine Research Day. Fall, 2003.

*First place poster contest