

Curriculum vitae

Date prepared: November 3, 2016

Name: Jane Elizabeth Gross

Education:

8/89-5/93 BS *cum laude* University of North Carolina (Biology and Spanish)
Chapel Hill, NC

8/94-5/99 PhD *cum laude* University of North Carolina School of Dentistry
(Oral Biology)
Chapel Hill, NC

7/99-5/03 MD *cum laude* Wake Forest University School of Medicine
Winston-Salem, NC

Military Training:

2000 AMEDD Officer Basic Course
2003 Tropical Medicine Humanitarian Assistance Course
2004 Combat Casualty Care Course
2005 Medical Management of Chemical and Biological Casualties Course
2009 Captains Career Course
2016 Command and General Staff Officers' Course, Intermediate Level Course

Postdoctoral Training:

7/03-6/04	Intern	Pediatrics	Tripler Army Medical Center
7/04-6/06	Resident	Pediatrics	Tripler Army Medical Center
6/06-7/09	Fellow	Pediatric Pulmonary	Boston Children's Hospital

Faculty Appointments:

7/09-11/10	Staff	Pediatric Pulmonology	Tripler Army Medical Center
7/11-7/14	Chief	Pediatric Pulmonology	Tripler Army Medical Center
8/14-8/16	Staff	Pediatrics	Evans Army Community Hospital
8/16-Present	Chief	Pediatric Pulmonology	Madigan Army Medical Center

Appointments at Affiliated Institutions:

7/02-07/03	Chief Resident	Pediatrics	Tripler Army Medical Center
08/09-7/14	Assistant Professor	Pediatrics	John A Burns School of

08/08-Present	Instructor	Pediatrics	Medicine Uniformed Services University of the Health Sciences
11/10-7/11 8/14-8/16	Officer in Charge Brigade Surgeon	Detainee Health 4 th ID Sustain BDE	Camp Cropper, Iraq Ft. Carson, CO

Major Leadership Positions:

8/09-7/14	Leader	Cystic Fibrosis Infection Control Committee	Tripler Army Medical Center
7/11-7/14	Director	Affiliate Cystic Fibrosis Center	Tripler Army Medical Center
7/11-7/14	Co-director	Combined Airway Clinic	Tripler Army Medical Center
7/12-7/14	Pulmonary Liaison	Combined Metabolic Clinic	Tripler Army Medical Center
8/16-Present	Director	Affiliate Cystic Fibrosis Center	Madigan Army Medical Center

Committee Service:

7/11-7/14	Member	Operational Procedures and Invasive Reports Committee, Tripler Army Medical Center	
7/13-7/14	Member	Chief Resident Selection Committee, Tripler Army Medical Center	
8/14-7/16	Member	4 th Infantry Division Soldier Centered Medical Home Committee, Evans Army Community Hospital	
8/16-Present	Member	Pharmacy and Therapeutics Committee, Madigan Army Medical Center	

Consultant Experience:

1/13-7/14	Cystic Fibrosis Medical Consultant	Hawaii Department of Education
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Professional Societies:

2009-Present	Member	American Thoracic Society
2005-Present	Fellow	American Academy of Pediatrics

Professional Awards and Honors:

1992	College Scholars of America, University of North Carolina	
1993	Golden Key National Honor Society, University of North Carolina	
1993	Who's Who Among Students in American Colleges and Universities, University of North Carolina	
1999	Health Professions Scholarship Program, United States Army	
2003	Alpha Omega Alpha Honor Medical Society	

2003-2005 Class Leader, Pediatric Residency Program, Tripler Army Medical Center
 2005-2006 Chief Resident, Pediatric Residency Program, Tripler Army Medical Center
 2006 Pediatric Residency Representative, Section on Uniformed Services, American Academy of Pediatrics
 2006 Leo Geppert Award, Uniformed Services Pediatric Seminar, American Academy of Pediatrics
 2008 COL Ogden Bruton Award, Uniformed Services Pediatric Seminar, American Academy of Pediatrics
 2008 Young Investigator Award, Congress of International Pediatric Pulmonology
 2008 Travel Award Recipient, Respiratory Diseases Young Investigators' Forum
 2009 America's Top Pediatricians
 2009 Travel Award Recipient, American Thoracic Society
 2011 Award for Excellence, Department of Nursing, Tripler Army Medical Center
 2016 "A" Proficiency Designator to recognize the highest level of professional achievement within the AMEDD Corps' specialty

Military Awards:

Meritorious Service Medal (three Oak Leaf Clusters)
 Army Commendation Medal
 Army Achievement Medal (two Oak Leaf Clusters)
 Army Superior Unit Award
 National Defense Service Medal
 Iraqi Campaign Medal (Campaign Star)
 Global War on Terrorism Expeditionary Medal
 Global War on Terrorism Service Medal
 Overseas Ribbon (three)
 Army Service Ribbon

Research:

1992-1994 Cell biology of the neuromuscular junction and of dystrophin-associated proteins
 Undergraduate laboratory technician
 Research Mentor: Robert Sealock, PhD
 Department of Cell Biology and Physiology
 University of North Carolina School of Medicine
 Locally funded

1994-1999 Local and systemic host immune responses to *Porphyromonas gingivalis*
 PhD Thesis
 Research Advisor: Gerald Sonnenfeld, PhD
 Research Immunology, Department of General Surgery Research, Carolinas Medical Center
 Academic Advisor: Roland Arnold, PhD
 University of North Carolina School of Dentistry Oral Biology Program
 Locally funded

- 2007-2008 Human interleukin-17A potentiates antibody-dependent and antibody-independent killing of *Streptococcus pneumonia*
Fellowship Research
Research Advisor: Richard Malley, MD
Boston Children's Hospital, Harvard Medical School
Locally funded
- 2009-2012 Investigation of *Mycobacterium abscessus* outbreak among cystic fibrosis patients
Co-Project Investigator
Tripler Army Medical Center
Unfunded
- 2016-present Immunization rates among patients with cystic fibrosis
Co-Project Investigator
Madigan Army Medical Center
Unfunded

Clinical Supervisory and Training Responsibilities:

- 2016-Present Pulmonary Inpatient/Consult Services; Attending; 0-1 medical student, 3 residents/month; 6 months/year
- 2016-Present Pulmonary Outpatient Clinic; Attending; 5-6 sessions/week
- 2016-Present Pediatric Morning Report; 2.5 hours/week
- 2009-2014 Pulmonary Inpatient/Consult Services; Attending; 0-1 medical student, 2 residents/month; 6-8 months/year
- 2009-2014 Pulmonary Outpatient Clinic; Attending; 5-7 sessions/week
- 2009-2014 General Pediatrics Outpatient Teaching Clinic; Attending; 4 sessions/month, 0-1 medical student/month, 2-3 residents/month
- 2009-2014 Pediatric Morning Report; 2.5 hours/week
- 2010-2014 Pediatric Residency Program Faculty advisor (1 advisee/year)

Formally Supervised Trainees:

I have been involved in the training of approximately 50 residents. While I have mentored all of them through clinical teaching and formal education, I have been more specifically involved in mentoring the following trainees:

Training	Name	Current Position
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| 2012-2015 | <i>Sebastian Welsh</i> | <i>Pulmonary Fellow, Boston Children's Hospital</i>
I mentored Dr. Welsh clinically during his residency. As he developed interest in the multidisciplinary care of patients with cystic fibrosis, he enrolled several patients with CF in his general pediatrics panel. Through mentorship, I encouraged him to become active in CF education and research as well as pursue fellowship. These efforts resulted in one publication. Welsh, SK, Gross, JE, Larson, NS, Berg, JM, Roy, D and Pinsker, JE. False-negative sweat chloride testing in a child with cystic fibrosis and undiagnosed hypohidrotic ectodermal dysplasia. Clin Pediatr. 2014 Oct; 5(12):1203-5. |
| 2013-2016 | <i>Sarah Anisowicz</i> | <i>Pediatric Staff, Walter Reed National Military Medical Center</i>
I mentored Dr. Anisowicz during her pediatric residency as she was exploring career choices. The mentorship resulted in one publication which is currently in press and an award winning abstract.
Anisowicz, S and Gross, JE. Eradication of <i>Mycobacterium abscessus</i> pulmonary infection in a child with idiopathic bronchiectasis. Poster presentation. Uniformed Services Pediatric Seminar, American Academy of Pediatrics. Second Place Leo Geppert Award. |

Formal Teaching of Peers:

No presentations below were sponsored by outside entities

- 2009 Medicine Grand Rounds, Tripler Army Medical Center "Cystic fibrosis – what every internist needs to know"
- 2009 Infection Control Quarterly Update, Tripler Army Medical Center "Infection Control for Cystic Fibrosis"
- 2010 Pediatric Grand Rounds, Tripler Army Medical Center "Status asthmaticus"
- 2010 Combined Clinical Pathological Case Review, Tripler Army Medical Center "Lemierre's Syndrome"
- 2011 Combined Service Grand Rounds, Baghdad, Iraq "Ascending paralysis in a deployed soldier with diarrhea – Guillain-Barre Syndrome"
- 2011 Medicine Grand Rounds, Tripler Army Medical Center "Living longer with CF – transitioning care to the internist"
- 2012 Pediatric Grand Rounds, Tripler Army Medical Center "Cystic Fibrosis Emergencies"

- 2012 Combined Clinical Pathological Case Review, Tripler Army Medical Center “Lobectomy in a child with cystic fibrosis and multidrug resistant *Stenotrophomonas*”
- 2013 Pediatric Grand Rounds, Tripler Army Medical Center “Pulmonary Jeopardy”
- 2014 Pediatric Grand Rounds, Tripler Army Medical Center “Chest wall disorders”
- 2015 Pediatric Grand Rounds, Evans Army Medical Center “Cystic fibrosis – diagnosis and management”
- 2016 Medicine Grand Rounds, Evans Army Medical Center “Cystic fibrosis – what every internist needs to know”

Local Invited Presentations:

No presentations below were sponsored by outside entities

- 2010 Cystic Fibrosis Education Day, Tripler Army Medical Center. “May the wave heal us all – benefits of hypertonic saline” Honolulu, HI
- 2012 Cystic Fibrosis Education Day, Tripler Army Medical Center. “Impact of nontuberculous mycobacteria on patients with cystic fibrosis – our center experience” Honolulu, HI
- 2013 Cystic Fibrosis Education Day, Tripler Army Medical Center. “Curing CF – Kalydeco targeted mutation therapy” Honolulu, HI
- 2013 Hawaii Society for Respiratory Care Conference: “Cystic fibrosis for the RT: Beyond percussion” Honolulu, HI
- 2014 Cystic Fibrosis Education Day, Tripler Army Medical Center. “CF top 10 – what every patient should know” Honolulu, HI
- 2014 Hawaii Society for Respiratory Care Conference: “Cystic fibrosis: new inhaled therapies” Honolulu, HI
- 2014 James W. Bass Conference, Tripler Army Medical Center “Megace-induced cushing syndrome in a cystic fibrosis patient” Honolulu, HI

National and International Presentations:

No presentations below were sponsored by outside entities

National:

- 2006 Uniformed Services Pediatric Seminar, American Academy of Pediatrics: “Consideration of narcolepsy in a child with daytime hypersomnolence” Portsmouth, VA.
- 2008 Uniformed Services Pediatric Seminar, American Academy of Pediatrics: “Human interleukin-17A potentiation of *in-vitro* opsonophagocytic killing of *Streptococcus pneumoniae*” Honolulu, HI.

- 2008 Annual Respiratory Disease Young Investigators Forum: “Human interleukin-17A potentiates antibody-dependent and antibody-independent killing of *Streptococcus pneumoniae*” Chapel Hill, NC
- 2013 North American Cystic Fibrosis Conference: “*Mycobacterium abscessus* epidemic among cystic fibrosis patients” Phoenix, AZ.
- 2014 North American Cystic Fibrosis Conference: “Infection Control: A Practical Approach to the New Guideline” Atlanta, GA

International:

- 2008 Conference on International Pediatric Pulmonology: “Role of interleukin-17A in mediating immunity to *Streptococcus pneumoniae*” Nice, France.

Licensure and Certification:

Hawaii State Physician License (13369)
Massachusetts State Physician License (235515); Expired
Board Certification in General Pediatrics, American Board of Pediatrics 2006
Board Certification in Pediatric Pulmonology, American Board of Pediatrics 2011
NPI (1235259169)
DEA (AC1220007)

Bibliography:

Publications:

Gross, JE. Local and systemic host immune responses to *Porphyromonas gingivalis* A7436 infection in a subcutaneous tissue chamber in untreated and lipopolysaccharide-treated mice. ©1999.

Lu*, YJ, **Gross*, JE**, Bogaert, D, Finn, A, Bagrade, L, Zhang, Q, Kolls, JK, Srivastava, A, Lundgren, A, Forte, S, Thompson, CM, Harney, KF, Anderson, PW, Lipsitch, M and Malley, R. Interleukin-17A mediates acquired immunity to pneumococcal colonization. PLoS Pathog. 2008 Sep 19;4(9).

Lindley, L, Williams, S., **Gross, JE** and Greene, JP. An adolescent female with abdominal pain and chronic cough. Adolesc Med State Art Rev. 2012 Aug;23(2):326-31.

Welsh, SK, **Gross, JE**, Larson, NS, Berg, JM, Roy, D and Pinsker, JE. False-negative sweat chloride testing in a child with cystic fibrosis and undiagnosed hypohidrotic ectodermal dysplasia. Clin Pediatr. 2014 Oct; 5(12):1203-5.

Johnston, DL, Chisty, Z, **Gross, JE**, Park, SY. Investigation of *Mycobacterium abscessus* outbreak among cystic fibrosis patients, Hawaii 2012. J Hosp Infect. 2016 Oct 94(2).

Abstract, Poster Presentations and Exhibits presented as Professional Meetings:

Gross, JE, and Mulreany, LT. Consideration of narcolepsy in a child with daytime hypersomnolence. Uniformed Services Pediatric Seminar, 2006.

Gross, JE. Role of interleukin-17A in mediating immunity to *Streptococcus pneumoniae*. Conference on International Pediatric Pulmonology, 2008.

Gross, JE, Thompson, CM, Anderson, PW and Malley, R. Human interleukin-17A potentiation of *in-vitro* opsonophagocytic killing of *Streptococcus pneumoniae*. Uniformed Services Pediatric Seminar, 2008.

Gross, JE, Thompson, CM, Anderson, PW and Malley, R. Human interleukin-17A potentiates antibody-dependent and antibody-independent killing of *Streptococcus pneumoniae*. Annual Respiratory Disease Young Investigators Forum, 2008.

Gross, JE, Johnston, D and Park, S. *Mycobacterium abscessus* epidemic among cystic fibrosis patients. North American Cystic Fibrosis Conference, Infectious Disease Workshop, 2013.

Spriet, S, Ong, B, Vordtriede, C and **Gross, JE**. Megace-induced cushing syndrome in a cystic fibrosis patient. Bass Conference 2014.

Anisowicz, SK and **Gross, JE**. Eradication of *Mycobacterium abscessus* pulmonary infection in a child with idiopathic bronchiectasis. American Academy of Pediatrics. October 2014.

Creative Writing:

Gross, JE. "Thinking of you." Fullness of time. New York: National Library of Poetry, 1998. Print.

Community Service:

2009-2014	Medical Advisor, Hawaii Chapter, Great Strides, Hawaii
2009-2014	Co-Organizer, Great Strides, Hawaii
2013-2014	Co-Organizer, Hawaii Chapter, Dave and Busters St. Baldricks Shaving Event, St. Baldricks Foundation
2009-Present	Medical Advisor, Hawaii Chapter, Maui Ola Foundation