

Aaron C. Moberly, M.D.

3907 Tarrington Lane

Columbus, OH 43220

(317) 345-1662

Aaron.Moberly@osumc.edu

EDUCATION

- July 2011 - Fellowship, Neurotology
June 2013 The Ohio State University Medical Center
Columbus, OH
- July 2007 - Residency, Otolaryngology-Head and Neck Surgery
June 2011 Indiana University School of Medicine
Indianapolis, IN
- July 2006 - Internship, General Surgery
June 2007 Indiana University School of Medicine
Indianapolis, IN
- August 2002 - Medical School, M.D.
May 2006 Indiana University School of Medicine
Indianapolis, IN
Graduated first in medical school class
USMLE Step 1, May 2004: Score 273 (99)
USMLE Step 2 CK, December 2005: Score 258 (99)
USMLE Step 2 CS, October 2005: Pass
USMLE Step 3, April 2008: 229 (95)
- August 1998 - Undergraduate, B.S.
May 2002 Purdue University
West Lafayette, IN
Majors: Biochemistry, Molecular Biology
Minors: Chemistry, Spanish
GPA: 4.00/4.00

ACADEMIC APPOINTMENTS

- 2013-Present Assistant Professor of Otolaryngology – Head and Neck Surgery,
The Ohio State University

MEDICAL CERTIFICATION, TRAINING, AND LICENSURE

- 2014-Present Neurotology subspecialty certified, American Board of Otolaryngology
2013 Principles and Practice of Gamma Knife Radiosurgery training, University of Pittsburgh
2012-Present Board Certified, American Board of Otolaryngology
2003-2007 NBME: USMLE 1, 2, and 3

PROFESSIONAL SERVICES

- 2016-Present Case Reports in Otolaryngology, ad hoc reviewer
2016-Present Otolaryngology – Head & Neck Surgery, ad hoc reviewer
2015-Present Audiology and Neurotology, ad hoc reviewer
2015-Present Ear and Hearing, ad hoc reviewer
2015-Present Medicine, ad hoc reviewer
2014-Present Fellowship Director, Neurotology, The Ohio State University
2014-Present PLOS One, ad hoc reviewer

2013-Present Journal of Speech, Language, and Hearing Research, ad hoc reviewer
 2012-Present Otology & Neurotology, reviewer
 2012-Present Laryngoscope, reviewer
 2012-Present International Journal of Audiology, reviewer

EDUCATIONAL AND SERVICE ACTIVITIES

2015-Present Faculty judge, Denman Undergraduate Research Forum, The Ohio State University
 2015-Present Workplace of Choice Committee - Department of Otolaryngology, OSU
 2015 Invited Lecturer, "Cochlear Implants – a Surgeon's Perspective," Speech and Hearing 8931 - Cochlear Implants, Audiology graduate course, Spring Semester, The Ohio State University
 2015 Instructor, "Lesions of Petrous Apex," Otolaryngology department resident didactics, March, The Ohio State University
 2015 Instructor, "Cholesteatoma and Chronic Ear Disease," Otolaryngology department resident didactics, March, The Ohio State University
 2014 Invited Lecturer, "Optimizing Outcomes for Adults with Cochlear Implants," Cochlear Corporation Support Group, Hilliard Library, Hilliard, OH, June 11th.
 2014 Invited Lecturer, "Electrode Selection," Cochlear Corporation Hybrid Workshop, Hilton Hotel, Columbus, OH, May 22nd.
 2014 Invited Lecturer, "Listening with a Hearing Disorder," Psychology 3302 – Perception and Language undergraduate course, Spring Semester, The Ohio State University
 2014-Present Instructor, "Ear Diseases: Hearing Loss," for first year medical school students, The Ohio State University
 2013 Instructor, "The Department of Otolaryngology Temporal Bone Dissection Course," August, The Ohio State University
 2013-Present Instructor/Co-Director, Speech and Hearing Science 7806 – Adult Hearing Disorders for Audiology students, Autumn Semester (ten classes), The Ohio State University
 2013-Present Instructor, "Overview of Auditory System," for first year medical school students, The Ohio State University
 2013 University of Pittsburgh Principles and Practice of Gamma Knife Radiosurgery course Participant
 2013-Present Lecturer, "Temporal Bone Trauma," for Otolaryngology residents during Fundamentals of Trauma course, April, The Ohio State University
 2012 Surgical mission trip to Dominican Republic
 2009 Resident Representative for Otolaryngology for the Organization of Resident Representatives of the Association of American Medical Colleges
 2009 Anspach Approaches to the Skull Base Course, Palm Beach Gardens, FL
 2009 Stryker Advanced Resident Temporal Bone Dissection Course, Carolina Ear Research Institute, Raleigh, NC
 2009 Volunteer physician for head and neck cancer screening event during Brickyard 400 race, Indianapolis, IN
 2009 AO Maxillofacial Trauma Course, St. Louis, MO
 2003-2004 St. Thomas Clinic, Franklin, IN, providing primary medical care services in an underserved area of Johnson County, IN
 2003 NIH Summer Research Training Program in Hearing and Communication. "Rapid word learning by 18-month-olds: a study using the intermodal preferential looking paradigm." Mentor Derek Houston, Ph.D., and Richard T. Miyamoto, M.D. Indiana University Department of Otolaryngology, DeVault Otologic Research Lab
 2002-2006 Christian Medical and Dental Association, student member
 2002-2005 Spring House Calls community project and team leader
 2002-2004 Christian Medical Association Leadership Team and Small Group Leader
 2002 Six-month Spanish-immersion study abroad in Madrid, Spain
 2001 Nicaragua medical mission trip
 2000-2002 Student Intern, Purdue Christian Campus House
 2000 Caregiver Companion for terminally ill patient
 2000 Emergency Medical Technician Certification

1999-2000 Purdue Science Student Council Member and Committee Head

ACADEMIC HONORS AND AWARDS

2015 College of Medicine Faculty Achievement Award, The Ohio State University
2014 Dennis Klatt Memorial Award, American Speech-Language-Hearing Association and Acoustical Society of America
2014 Accepted after application into American Speech-Language-Hearing Association grantsmanship workshop, Lessons for Success, Rockville, Maryland.
2013 Accepted after application into NIH-sponsored mentoring program, "Mentoring for Junior Faculty in Otolaryngology and Communication Disorders."
2010 First Place, Resident Academic Bowl during 2010 Triological Combined Sections Meeting, Orlando, FL
2010 Highest National In-Training Exam Score Award
Indiana University School of Medicine, Department of Otolaryngology-Head and Neck Surgery
2010 Cummings Quiz Award for Top Score
Indiana University School of Medicine, Department of Otolaryngology-Head and Neck Surgery
2009 Induction into Gold Humanism Honor Society
Indiana University School of Medicine
2009 Highest National In-Training Exam Score Award
Indiana University School of Medicine, Department of Otolaryngology-Head and Neck Surgery
2009 Manion-Lingeman Resident Research Third Place Award for "A History of Mastoidectomy and Tympanoplasty"
Indiana University School of Medicine, Department of Otolaryngology- Head and Neck Surgery
2008 Cummings Quiz Award for Top Score
Indiana University School of Medicine, Department of Otolaryngology- Head and Neck Surgery
2008 Manion-Lingeman Resident Research Third Place Award for "Patient tolerance of the flexible CO₂ laser versus the 585-nm pulsed-dye laser for office-based laryngeal surgery"
Indiana University School of Medicine, Department of Otolaryngology- Head and Neck Surgery
2006 Dr. Marcus Ravdin Medal for the highest scholastic achievement in medical class
Indiana University School of Medicine
2005 Class of 1948 and 1973 Otis R. Bowen Scholarship
2004 Junior Alpha Omega Alpha
2004 John Van Nuys Memorial Scholarship
2003 B. T. Maxam Scholarship
2002-2006 George T. Lukemeyer, M.D., Scholarship, Indiana University School of Medicine
2001 Phi Beta Kappa Honor Society
2001 American Chemical Society Analytical Chemistry Award, Purdue University
2000 Golden Key National Honor Society
2000 Merck Index Award in Organic Chemistry, Purdue University
1999 Purdue University Freshman Chemistry Student of the Year
1998-2002 Dean's Honor List, Purdue University

PUBLICATIONS

Patel T, Shahin AJ, Bhat J, Welling DB, **Moberly AC**. Cortical auditory evoked potentials to evaluate cochlear implant candidacy in an ear with long-standing hearing loss: a case report. *Annals of Otolology, Rhinology & Laryngology*. In press.

- Beyea JA, McMullen KP, Harris MS, Houston DM, Martin JM, Bolster VA, Adunka OF, **Moberly AC**. Cochlear implants in adults: effects of age and duration of deafness on speech recognition. *Otology & Neurotology*. In press.
- Harris MS, Capretta NR, Henning SC, Feeney L, Pitt MA, **Moberly AC**. Postoperative Rehabilitation Strategies Used by Adults with Cochlear Implants: a Pilot Study. *Laryngoscope Investigative Otolaryngology*. In press.
- Moberly AC**, Lowenstein JH, Nittrouer S. Word recognition variability with cochlear implants: The degradation of phonemic sensitivity. *Otology & Neurotology*. In press.
- Nittrouer S, Lowenstein JH, Wucinich T, **Moberly AC**. Verbal working memory in older adults: The roles of phonological capacities and processing speed. *Journal of Speech, Language, & Hearing Research*. In press.
- Moberly AC**, Lowenstein JH, Nittrouer S. Word recognition variability with cochlear implants: “Perceptual attention” versus “auditory sensitivity”. *Ear and Hearing* 2016;37(1):14-26.
- Oblinger JL, Burns SS, Akhmametyeva EM, Huang J, Pan L, Ren Y, Shen R, Miles-Markley B, **Moberly AC**, Kinghorn AD, Welling DB. Components of the eIF4F complex are potential therapeutic targets for malignant peripheral nerve sheath tumors and vestibular schwannomas. *Neuro-oncology*. 2016 Mar 6;now032.
- Moberly AC**, Lowenstein JH, Nittrouer S. Early Bimodal Stimulation Benefits Language Acquisition for Children With Cochlear Implants. *Otology & Neurotology*. 2016 Jan 1;37(1):24-30.
- Capretta NR, **Moberly AC**. Does quality of life depend on speech recognition performance for adult cochlear implant users?. *The Laryngoscope*. 2015 Aug 1.
- Moberly AC**, Bhat J, Shahin AJ. Acoustic Cue Weighting by Adults with Cochlear Implants: A Mismatch Negativity Study. *Ear and hearing*. 2015 Dec.
- Patel TR, **Moberly AC**. Revision Stapedectomy in a Female Patient with Inner Ear Malformation. *Case Reports in Otolaryngology*. 2016 Apr 6;2016.
- Capretta NR, Pitt MA, **Moberly AC**. Postoperative rehabilitation strategies used by adults with cochlear implants. *Cochlear Implants International*, submitted for publication.
- Moberly AC**, Lowenstein JH, Nittrouer S. Early bimodal stimulation benefits language acquisition for children with cochlear implants. *Otology and Neurotology*, in press.
- Capretta NR, **Moberly AC**. Does Quality of Life Depend on Speech Recognition Performance for Adult Cochlear Implant Users? *Laryngoscope*, in press.
- Moberly AC**, Lowenstein JH, Nittrouer S. Word recognition variability with cochlear implants: “perceptual attention” versus “auditory sensitivity.” *Ear and Hearing*, in press.
- Moberly AC**, Bhat J, Shahin AJ. Acoustic cue weighting by adults with cochlear implants: a mismatch negativity study. *Ear and Hearing*, in press.
- Nittrouer S, Tarr E, Wucinich T, **Moberly AC**, Lowenstein JH. Measuring the effects of spectral smearing and enhancement on speech recognition in noise for adults and children. *Journal of the Acoustical Society of America*, 137:2004-14, 2015.
- Beyea JA, **Moberly AC**. Squamous cell carcinoma of the temporal bone. *Otolaryngologic Clinics of North America*, 48:281-292, 2015.
- Nittrouer S, Caldwell-Tarr A, **Moberly AC**, Lowenstein JH. Perceptual weighting strategies of children with cochlear implants and normal hearing. *J Commun Disord*, 52:111-133, 2014.
- Moberly AC**, Tweel B, Welling DB. Wound breakdown after middle cranial fossa craniotomy: An unusual complication after rhytidectomy. *Laryngoscope*, 124(2):270-84, 2014.
- Moberly AC**, Lowenstein JH, Tarr E, Caldwell A, Welling DB, Shahin AJ, Nittrouer S. Do adults with cochlear implants rely on different acoustic cues for phoneme perception than adults with normal hearing? *Journal of Speech, Language, and Hearing Research*, 57(2):566-82, 2014.
- Moberly AC**, Bhat J, Welling DB, Shahin AJ. Neurophysiology of spectrotemporal cue organization of spoken language in auditory memory. *Brain and Language*, 130:42-9, 2014.
- Nittrouer S, Tarr E, Bolster V, Caldwell-Tarr A, **Moberly AC**, Lowenstein JH. Low-frequency signals support perceptual organization of implant-simulated speech for adults and children. *International Journal of Audiology*, 53(4):270-84, 2014.
- Robinett ZN, Walz PC, Miles-Markley B, **Moberly AC**, Welling DB. Comparison of long-term quality-of-life outcomes in vestibular schwannoma patients. *Otolaryngology Head and Neck Surgery*, 2014.

- Nittrouer S, Caldwell-Tarr A, Tarr E, Lowenstein JH, Rice C, **Moberly AC**. Improving speech-in-noise recognition for children with hearing loss: Potential effects of language abilities, binaural summation, and head shadow. *International Journal of Audiology*, 52(8):513-25, 2013.
- Moberly AC**, Caldwell-Tarr A, Welling DB, Nittrouer S. Detecting soft failures in pediatric cochlear implants: Relating behavior to language outcomes. *Otology & Neurotology*, 34(9):1648-55, 2013.
- Houston DM, Stewart J, **Moberly A**, Hollich G, Miyamoto RT. Word Learning in Deaf Children with Cochlear Implants: Effects of Early Auditory Experience. *Developmental Science*, 15(3):448-61, 2012.
- Moberly AC**, Fritsch MH. Management of sword-swallower injuries. *Journal of Laryngology & Otology*. 125(2):217-9, 2011.
- Fritsch MH, **Moberly AC**. Tragal storage of autograft middle-ear ossicles. *Otolaryngology – Head & Neck Surgery*. 143(1):161-2, 2010.
- Moberly AC**, Vural E, Nahas B, Bergeson T, Kokoska MS. Ultrasound-guided needle aspiration: impact of immediate cytologic review. *Laryngoscope*. 120(10):1979-84, 2010 Oct.
- Moberly AC**, Naumann IL, Cordes SR. Cryptococcal meningitis with isolated otologic symptoms. *Am J Otolaryngol*. 31:49-53, 2010.
- Moberly AC**, Halum SL. Patient tolerance of the flexible CO2 laser versus the 585-nm pulsed-dye laser for office-based laryngeal surgery. *Journal of Voice*. 24(6):750-4, 2010 Nov.
- Moberly AC**, Fritsch MH. Chorda tympani and facial nerve neurofibroma presenting as chronic otomastoiditis. *Otolaryngology - Head & Neck Surgery*. 140(3):429-30, 2009.

BOOK CHAPTERS

- Moberly AC**, “Preauricular Repair of Ear Canal Fistula to the Temporomandibular Joint” in 1000 Interesting Cases in Otosurgery. Henryk Skarzynski, editor, 2015. Submitted for publication.
- Beyea JA, **Moberly AC**, “Otalgia and Temporomandibular Joint Disorders” in Otology, Neurotology, Skull Base Surgery: Clinical Reference Guide. Theodore McRackan and Derald Brackmann, editors. Submitted for publication.
- Moberly AC**, Welling DB, “Evaluation of the Cranial Nerves” (Chapter 11) in Clinical Otology. 4th edition. Gordon B. Hughes and Miles L. Pensak, editors. New York: Thieme Medical Publishers, 2013.

POSTERS AND PRESENTATIONS

NATIONAL

- 2016 Harris MS, Nittrouer S, **Moberly AC**. "Working memory deficits in adult cochlear implant users: identifying targets for intervention" podium presentation at the CI2016 Conference, Toronto, Canada
- 2016 McMullen K, **Moberly AC**. "Outcomes of cochlear implantation for patients with postlingual deafness: a retrospective analysis of contributing factors" podium presentation at the CI2016 Conference, Toronto, Canada
- 2016 **Moberly AC**. "Do cognitive measures explain outcome variability for adults with cochlear implants?" podium presentation at the 2016 Triological Society annual meeting at COSM, Chicago, IL
- 2015 **Moberly AC**. “Variability in word recognition by adults with cochlear implants: the role of language knowledge” podium presentation at the CI2015 American Cochlear Implant Alliance meeting, Washington, D.C.
- 2015 **Moberly AC**, Bhat J, Shahin AJ. “Acoustic cue weighting by adults with cochlear implants: a mismatch negativity study” poster presentation at the 2015 Conference on Implantable Auditory Prostheses meeting, Lake Tahoe, CA
- 2015 **Moberly AC**, Nittrouer S. “Variability in word recognition by adults with cochlear implants: the roles of perceptual attention versus auditory sensitivity” podium presentation at the 2015 Acoustical Society of American meeting, Pittsburgh, PA.
- 2015 **Moberly AC**, Nittrouer S. “Bimodal stimulation provides an advantage in language development for children with hearing loss” podium presentation at the 2015 Combined Otolaryngology Spring Meetings, American Neurotology Society, Boston, MA.

- 2015 **Moberly AC**, Capretta, NR, Nittrouer S. "Speech recognition and quality of life for adult cochlear implant users" poster presentation at the 2015 Combined Otolaryngology Spring Meetings, Triological Society, Boston, MA.
- 2015 **Moberly AC**, Nittrouer S. "Variability in word recognition by adults with cochlear implants: the role of phonemic awareness" poster presentation at the 2015 Combined Otolaryngology Spring Meetings, Triological Society, Boston, MA.
- 2015 **Moberly AC**, Capretta, NR, Pitt, MA. "Postoperative rehabilitation strategies used by adults with cochlear implants" poster presentation at the 2015 Combined Otolaryngology Spring Meetings, American Neurotology Society, Boston, MA.
- 2014 **Moberly AC**, Nittrouer S. "Bimodal stimulation in infants: Is there a benefit to language development?" podium presentation at the 2014 American Cochlear Implant Alliance meeting, Nashville, TN.
- 2014 **Moberly AC**, Tweel B, Knopp MV. "Computed tomography for assessment of electrode position using a hearing preservation electrode" poster presentation at the 2014 American Neurotology Society spring meeting in conjunction with COSM, Las Vegas, NV.
- 2013 **Moberly AC**, Lowenstein J, Tarr E, Caldwell-Tarr A, Welling DB, Shahin AJ, Nittrouer S. "Do cochlear implant users rely on different acoustic cues than normal-hearing adults? A study of cue weighting and salience" poster presentation at the 2013 Conference on Implantable Auditory Prostheses, Lake Tahoe, CA
- 2013 **Moberly AC**, Caldwell-Tarr A, Welling DB, Nittrouer S. "Detecting soft failures in pediatric cochlear implants: Relating behavior to language outcomes" poster presentation at the 2013 American Neurotology Society Spring meeting, Orlando, FL
- 2013 **Moberly AC**, Tweel B, Welling DB. "Wound breakdown after middle cranial fossa craniotomy: An unusual complication after rhytidectomy" poster presentation at the Triological Society 2013 Combined Sections meeting, Scottsdale, AZ
- 2012 **Moberly AC**, Nittrouer S, Shahin A, Welling DB. "Do cochlear implant users rely on different acoustic cues for phoneme perception than normal-hearing adults? A mismatch negativity study" podium presentation at the 2012 12th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, Baltimore, MD
- 2010 **Moberly AC**, Fritsch MH. "The evolution of mastoidectomy and tympanoplasty" poster presented at 2010 Triological Combined Sections Meeting, Orlando, FL
- 2010 **Moberly AC**, Vural E, Nahas B, Bergeson T, Kokoska MS. "Ultrasound-guided needle aspiration: impact of immediate cytologic review" podium presentation at 2010 Triological Combined Sections Meeting, Orlando, FL
- 2009 **Moberly AC**, Fritsch MH. "A history of mastoidectomy and tympanoplasty" presented at 2009 Otolaryngology Historical Society meeting during Academy, San Diego, CA
- 2008 **Moberly AC**, Halum SL. "Patient tolerance of the flexible CO2 laser versus the 585-nm pulsed-dye laser for office-based laryngeal surgery" podium presentation at 2008 Combined Otolaryngology Spring Meeting, Orlando, FL
- 2007 Houston DM, Stewart J, **Moberly AC**, Hollich G, Miyamoto RT. (April, 2007). "Very early cochlear implantation facilitates word learning." Poster presented by Dr. Houston at the 11th International Conference on Cochlear Implants in Children, Charlotte, NC, April 2007
- 2006 Houston DM, Stewart J, **Moberly AC**, Hollich G. (June, 2006). "Auditory word learning in deaf infants and toddlers: Effects of early cochlear implantation." Paper presented by Dr. Houston at the XVth Biennial International Conference on Infant Studies, Kyoto, Japan, June 2006
- 2005 Houston DM, Stewart J, **Moberly AC**, Hollich G. "Word learning in deaf toddlers one year after cochlear implantation." Poster presented by Dr. Houston at the Society for Research in Child Development Biennial Meeting, Atlanta, GA, April 2005
- 2004 Houston DM, Stewart J, **Moberly AC**, Hollich G. "Early word-learning skills in 2- to 3-year-olds eighteen months after cochlear implantation." Poster presented at the VIII International Cochlear Implant Conference, Indianapolis, IN, May 2004

LOCAL

- 2016 Senaras C, **Moberly AC**, Teknos T, Essig G, Elmaraghy C, Taj-Schaal N, Yu L, Gurcan M. "Automated Otoscopy to Diagnose Ear Pathology: Preliminary Studies" poster at the 2016 OSUMC Research Day.
- 2016 **Moberly AC**. "Variability in speech recognition by adults with cochlear implants: The roles of top-down processes" podium presentation, Department of Otolaryngology Grand Rounds, The Ohio State University
- 2015 **Moberly AC**. "Variability in outcomes for adults with cochlear implants" podium presentation at the 2015 Saunders Symposium, Department of Otolaryngology, The Ohio State University
- 2015 Boyce L, Holt RF, Nittrouer S, **Moberly AC**. "Optimizing frequency channels in cochlear implants" poster presentation at the 2015 Denman Undergraduate Research Forum, The Ohio State University
- 2015 **Moberly AC**. "Optimizing outcomes for adults with cochlear implants" podium presentation at the Ohio Academy of Audiology Annual Conference, Columbus, OH
- 2013 "Update on otologic dizziness." Presented at Blanchard Valley Hospital, Findlay, OH, November 2013
- 2013 "Inner ear dizziness." Presented at Wyandot Memorial Hospital, Upper Sandusky, OH, April 2013
- 2013 "Inner ear dizziness." Presented at Medcentral Hospital, Mansfield, OH, February 2013.
- 2013 "Temporal bone trauma." Presented at Facial Trauma Tactics Course. Columbus, OH, February 2013.
- 2012 "Update on pediatric sensorineural hearing loss and cochlear implantation." Presented at Central Ohio Combined Ophthalmology-Otolaryngology Society. Columbus, OH, December 2012.
- 2011 "Pediatric conductive hearing loss." Presented at The Ohio State University Department of Otolaryngology Community Grand Rounds. Columbus, OH, October 2011.

PRE-MEDICAL RESEARCH

- 2001 Eli Lilly and Company, Neuroscience Division
Research Topic: Development of battery of neuropsychological tests to evaluate cognitive impairment in schizophrenic patients
- 1999-2000 Purdue University, Department of Molecular Biology
Research Topic: Identification of tyrosine hydroxylase mRNA within chicken neuron axons
- 1999 Indiana University – Purdue University of Indianapolis, Department of Molecular Biology
Research Topic: Isolation of porcine pituitary gland transcription factors

RESEARCH FUNDING

- 2016 American Otological Society Clinician-Scientist Award, Principal Investigator, "Variability in Speech Recognition for Adults with Cochlear Implants," \$240,000 over three years
- 2015-Present Ohio State University CCTS L-Pilot Grant, "AutoScope software – Automated Otoscopy to Diagnose Ear Pathology," \$31,000, Co-investigator
- 2014-Present Triological Society Career Development Award, AAO-HNS CORE grant, Principal Investigator, "Personalizing Aural Rehabilitation for Adults with Cochlear Implants," \$40,000 over two years
- 2014 Research in Speech Science Grant, American Speech-Language-Hearing Foundation and Acoustical Society of America, Principal Investigator, "Personalizing Aural Rehabilitation for Adults with Cochlear Implants," \$5,000

LANGUAGES

Spanish (proficient written and spoken)