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Education

- 07.2010 - 05.2014* Doctor of Dental Surgery
University of Michigan School of Dentistry
Ann Arbor, Michigan
- 08.2006 - 05.2010* Bachelor of Arts, Biology
Albion College
Albion, Michigan

Licensure and certification

- 2018 - Present* Diplomate, American Board of Oral and Maxillofacial Pathology
- 2015 - Present* Licensed dentist, New York
- 2014 - 2015* Limited dental resident license, Ohio

Employment history

- 07.2018 - Present* Senior Scientist, PreciseMD
Mount Sinai St. Luke's
New York, New York
- 07.2015 - 06.2018* Resident, Oral and Maxillofacial Pathology
Mount Sinai Hospital
New York, New York
- 07.2014 - 06.2015* Resident, General Practice Residency
University of Toledo Medical Center
Toledo, Ohio
- 05.2014 - 06.2014* Graduate Assistant, Development of Oral Pathology Databases and Pedagogy
University of Michigan School of Dentistry
Ann Arbor, Michigan

Awards

- 2018* Outstanding Contributions in Pathology Education. Awarded by the Mount Sinai Hospital Department of Pathology Anatomic and Clinical Pathology residency program.

2014 Emerging Educator Award. Awarded by the University of Michigan School of Dentistry.

Outstanding Contribution to Teaching and Student Learning in Oral Pathology. Awarded by the University of Michigan School of Dentistry.

Ongoing research

2017 - Present Veremis B, Navale P, Jeyachandran D, Blakely M, Desman G. Leveraging educational technology and active learning techniques in pathology residency education. Currently awaiting long-term data collection.

Veremis B, Kalir T. The use of digital slides in pathology resident assessment and learning. Currently collecting data.

2016 - Present Veremis B, Glass S, Ramer N, Reich R. Metastasis of malignant mesothelioma to the oral cavity. Submitted for publication.

Veremis B, Huang R, Blakely M, Machado L, Guerrero D, Prajapati S, Madrigal E, Prastawa M, Fernandez G. Convolutional neural networks and mitotic figure detection. Currently awaiting data collection and network optimization.

Veremis B, Pacheco C, Ferradino R, Demicco E. Immunohistochemical classification of salivary gland carcinomas. Currently analyzing data.

Publications

2018 Nalliah R, Veremis B, Ramaswamy V. Making the Case for Pass-fail Grading in Dental Education. Currently in submission process.

2014 Veremis B, Murdoch-Kinch C, Ramaswamy V. A Survey of Graded and Pass/Fail Curricula in Relation to Post-Graduate Program Placement. 2014. Unpublished manuscript.

2013 Veremis B. The Way We Teach. *Incisal Edge* (University of Michigan School of Dentistry chapter of the American Student Dental Association). 2013.

Grants

05.2017 - Present de Peralta T, Lypson M, Danciu T, Fitzgerald M, Nalliah R, Ramaswamy V, Veremis B, Murdoch-Kinch CA. "Developing entrustable professional activities (EPAs) for dental education." University of Michigan, School of Dentistry. Grant from the American Dental Association (ADEA) Gies Foundation, \$24,900.

12.2016 - Present Ramaswamy V, Veremis B, Remington T, Danciu T. "Pilot implementation of team-based learning (TBL) in diagnostic sciences." University of Michigan, School of Dentistry. Grant from the Roy H. Roberts Awards for Excellence and Innovation in Teaching. The purpose is to implement an evidence-based system of teaching based on team-based learning principles in a D3 oral pathology course. \$10,000.

02.2013 - 06.2015 Danciu T, Veremis B, Polverini P. "Clinical oral pathology: Learning decision-making during dental school and beyond". Faculty Development Fund, from the University of Michigan Center for Research on Learning and Teaching. The purpose is to create an oral pathology database using the University of Michigan biopsy service cases and implement active learning changes in the University of Michigan School of Dentistry oral pathology curriculum. \$8,325.

Presentations

- 2018 Veremis B. "Team-Based Learning in Residency Education." Mount Sinai Health System Program Directors Meeting, New York, New York.
- Veremis B. "Active Learning in Oral Medicine and Oral Pathology." The University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2017 Veremis B, Hanna MG, Ramer N, Singh R. "Digital pathology: a review of the literature." American Association of Oral and Maxillofacial Pathology National Conference, Newport, RI. Poster presentation.
- 2016 Veremis B, Jeyachandran D, Hanna MG, Kalir T. "Creating a Digital Histopathology Repository: A Novel Educational Tool for Housestaff." Mount Sinai Graduate Medical Education Research Day, New York, NY. Poster presentation.
- 2016 Veremis B, Ramer N. "Subgingival neurogenous plaque: report of two cases and a review of the literature." American Association of Oral and Maxillofacial Pathology National Conference, Cincinnati OH. Poster presentation.
- 2015 Veremis B, Ramaswamy V, Danciu T. "The Use of Anki Software to Facilitate Oral and Maxillofacial Pathology Learning." American Dental Education Association Conference, Boston MA. Poster presentation.
- 2014 Veremis B, Ramaswamy V, Murdoch-Kinch C. "Implications for Pass/Fail Curricula at the University of Michigan School of Dentistry." University of Michigan School of Dentistry, Pathways Day, Ann Arbor MI. Small group discussion.
- Veremis B, Ismail R, Tomaka S, Bleed M, Van Beek M, Springfield E, Wright M, Johnson L, Gobetti J, Benavides E, Danciu T. "Development of an oral and maxillofacial pathology database." University of Michigan School of Dentistry, Research Day, Ann Arbor, MI. Poster presentation.
- 2013 Veremis B. "Critical Analysis of Pass/Fail Grading in Didactic Classes and Clinics." University of Michigan School of Dentistry, presentation for the Cariology, Restorative Sciences, and Endodontics faculty, Ann Arbor, MI.
- 2008, 2009 Veremis B, Saville K. "Repair of double-stranded DNA breaks in *D. melanogaster* using *hobo* transposable elements in the decapentaplegic gene." Albion College, presentation for the Foundation for Undergraduate Research, Scholarship and Creative Activity, Albion, MI.

Lectures and teaching

- 2017 - Present Laboratory teaching assistant. Pathologic basis of disease. Icahn School of Medicine.
- Oral and maxillofacial pathology residency curriculum, including creation of weekly tests, thematic unknowns study sets, and journal club articles.
- 2017 Veremis B. "Basics of effective computer use." Mount Sinai Hospital, prepared for AP/CP residents and faculty. October 4, 2017.
- Veremis B. Various cytogenomics case presentations. Mount Sinai Hospital, prepared for tumor cytogenomics faculty and technicians. July 2017.
- Veremis B. "Leveraging educational technology." Mount Sinai Hospital, prepared for AP/CP residents and faculty. April 7, 2017.
- Veremis B. "Microorganisms of periodontal disease." Mount Sinai Hospital, prepared for microbiology attendings and technicians. February 3, 2017.
- 2015 - Present Veremis B. Various oral pathology lectures. Mount Sinai Hospital, prepared for D.D.S./D.M.D. residents.
- 2014 Veremis B, Danciu T. "Small group discussions in oral pathology." University of Michigan Dental School, trial program for problem-based learning. March 12, 2014.

Consultation

- 2017 - Present Mount Sinai Hospital, Department of Pathology, Blackboard implementation and curriculum design.
- Blackboard design and organization, guidance on rotation expectations and learning objectives, developed procedures for implementing team-based learning, developed software for whole slide imaging for AP unknowns, developed software for high-yield case conferences, scheduled professional development conferences, and video recording setup.*

Software development

- 2017 - Present Mount Sinai Case Viewer (mountsinaicaseviewer.com). The Mount Sinai Hospital.
- Sole developer. Initial development consisted of gulp/Handlebars Javascript parsing a flat JSON database; after demonstration of proof of concept, completed full-stack Ruby on Rails application.*
- Mount Sinai Slide Bank. Internal server, The Mount Sinai Hospital.
- Sole developer, work in progress. Internal server storing unknowns slides for AP/CP residency education, initially using a Python SimpleHTTPServer; after proof of concept, continued work on a full-stack Ruby on Rails application with an optimized workflow.*

- 2017 WatchScope.
Sole developer. Tizen application for the display of whole slide images on Android smartwatches.
- 2016 - Present Cooperative of Open Oral Pathology (openoralpathology.org)
Sole developer. Anticipated to include a community-operated wiki relating to oral pathology, including whole slide and static images, and the ability to share educational materials and cases. Project currently in development.
- 2014 Oral Pathology Case Database. University of Michigan School of Dentistry.
Data management and organization.

Coding languages and tools

- Intermediate* HTML/CSS
JavaScript
OpenSlide
VIPS
Leaflet
jQuery
Ruby, Ruby on Rails
SQL
Git
Adobe Suite (e.g., InDesign, Illustrator, Lightroom, Photoshop)
- Novice* Gulp, Handlebars
Tizen applications (Android)
Microsoft Visual Basic for Applications (VBA)
Python
PowerPath (reporting template construction, cancer checklist worksheets)

Professional Affiliations

- 2018 - Present United States and Canadian Academy of Pathology
- 2017 - Present Digital Pathology Association
- 2015 - Present American Academy of Oral and Maxillofacial Pathology
2018 *Fellowship* status awarded
Member of the Education Committee
- 2013 - Present American Dental Education Association
- 2010 - 2014 American Student Dental Association
- 2011 - 2014 Scholars Program for Dental Leadership
- 2011 - 2014 American Association of Public Health Dentistry, UM Chapter
Vice President (2011-2012), President (2012-2013)

2013 - 2014 Student Professionalism and Ethics Association in Dentistry

2008 - 2010 Sigma Xi Research Society