CURRICULUM VITAE

Dimitra Vangeli (Vageli), PhD

**Current Position:** Research Scientist, Department of Neurology; Center for Neuroscience and Regeneration Research, PI Stephen Waxman, MD, PhD.

**Institution** Yale School of Medicine

**Education**

Ph.D. University of Crete, School of Health Sciences, Faculty of Medicine, Heraklion, Greece (Molecular Oncology & Biotechnology) 1998

B.Sc. University of Patras, School of Natural Sciences, Patras, Greece (Biology Science) 1989

**Career/Academic Appointments:**

Oct. 2014-today Research Scientist Department of Neurology; Center for Neuroscience and Regeneration Research, Yale University School of Medicine, New Haven, CT

2013-Sept 2024 Research Scientist (Promotion) / Associate Research Scientist, Dept. of Surgery (Otolaryngology) (Clinical Cancer Research, Cancer Biology, Translational Cancer Biology), Yale University School of Medicine, New Haven, CT

2002-2013 Special Teaching & Research Staff in Molecular Oncology and Histopathology, Department of Pathology, Medical School, University of Thessaly, Greece

2010-2013 Assistant at Lecturer Level, School of Health Professions, Higher Technological Education Institution (Τ.Ε.Ι), Larissa, Greece

2007-2010 Scientific Associate at Lecturer Level, School of Health Professions, Higher Technological Education Institution (Τ.Ε.Ι), Larissa, Greece

2007 Teaching Assistant at Lecturer Level, School of Health Professions, Higher Technological Education Institution (Τ.Ε.Ι), Larissa, Greece

2005-2006 Scientific Associate at Lecturer Level, Department of Pathology, Medical School, University of Thessaly, Greece

2004-2005 Teaching Assistant at Lecturer Level, School of Health Professions, Higher Technological Education Institution (Τ.Ε.Ι), Larissa, Greece

1991 Intern, Clinical Microbiology & Biochemistry, Army Hospital-“NIMTS”, Athens, Greece

1990 Postgraduate Research Scholar, Institute of Radiation and Radio-predict Products (I.R.R.P), National Centre of Science Research “Demokritos”, Greece

**Professional Honors & Recognition**

2014-2015Ohse Research Award: Effect of laryngopharyngeal reflux induced NF-κB activation in pre-malignant transformation of *in vivo* hypopharyngeal mucosa, Yale School of Medicine, Department of Surgery

2013-2014 Ohse Research Award: Laryngopharyngeal reflux induced NF-κB activation and its role in Laryngopharyngeal carcinogenesis, Yale School of Medicine, Department of Surgery

2023-today Research Member of Yale Cancer Centre (Cancer Signaling Network) <https://www.yalecancercenter.org/>

2023-today Active member of American Association for Cancer Research (AACR) <https://www.aacr.org/>

2021-today Associate Scientific member of American Head and Neck Society (AHNS) <https://www.ahns.info/>

2019-today Associate Member of the World Academy of Sciences

*(*[*http://www.worldacademyofsciences.com/members.html*](http://www.worldacademyofsciences.com/members.html)*)*

2013 1st Honor for best scientific work Presentation-Hellenic thoracic society: Mismatch DNA repair expression profiles correlated with miR-422a, miR-21 and miR-155 levels in non-small cell lung carcinomas; Athens, Greece.

1990 Postgraduate Research Scholarship, Institute of Radiation and Radio-predict Products (I.R.R.P), National Centre of Science Research "Demokritos", Athens, Greece

1989-today PanHellenic Union of Bioscientists **(**[https://www.pev.gr](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=2ahUKEwjaqLXd5qzeAhVqQt8KHYTNBzIQFjAAegQIBBAD&url=https%3A%2F%2Fwww.pev.gr%2F&usg=AOvVaw2kzfR-aScukjVO4-pszKy2))

**Educational Activities Data**

***Teaching activities***

**Sept 2004-2007: Teaching Assistant at Lecture Level**, Department of Medical Laboratories, School of Health Professions, Higher Technological Education Institution (T.E.I)Larissa, Greece

1. Teaching of Histopathology Laboratory courses

2. Supervising 5 Diplomatic theses (2005-2012)

**Sept 2007-2010 & Sept 2010-2013: Teaching Assistant at Associate Level,** Department of Medical Laboratories, School of Health Professions, Higher Technological Education Institution (T.E.I)Larissa, Greece

1. Basic histopathology theoretical & practical courses

2. Specific histopathology theoretical & practical course4s

***Writing educational books***

**2004-2005:** “Diagnostic Molecular Histopathology Methods”

**2006-2007:** “Exercise in Immunochemistry”

**2009: Vageli D**., Basic Histopathology), 1st ed. Athens, Greece: Beta Medical Publishers Ltd, ISBN: 978-960-452-069-5; 2009. 111p. <https://betamedarts.gr/vivlia/iatrika/anatomikh-kyttarologia-istologia-pathologikh-anatomikh/genikh-istopathologia/>

**2010: Vageli D**., Specific Histopathology. 1st ed. Athens, Greece: Beta Medical Publishers Ltd., ISBN: 978-960-452-092-3; 2010. 324p. <https://betamedarts.gr/vivlia/iatrika/anatomikh-kyttarologia-istologia-pathologikh-anatomikh/eidikh-istopathologia/>

***Leadership- Mentorship***

**Sept 2013-Sept 2024: Leadership in “Neoplasia” group, Head and Neck Cancer Research Program,** Department of Surgery, Yale School of Medicine, New Haven, CT

* Mentorship of 9 Yale medical students/physician residentsin “Research Rotations in Surgery Otolaryngology” and 6 Postdoctoral/Postgraduate studentsin “Surgery Otolaryngology Research”, with publications in scientific journals and presentations in conferences/research meetings.

**Spet 2003-Sept 2013**: **Mentorship in “Histopathology**”, Pathology Laboratory, Medical School, University of Thessaly, Greece, and “School of Health Professions”, Higher Technological Education Institution (T.E.I), Larissa, Greece.

* Supervised 6 health professions students in their **diploma thesis** (Diagnostic molecular histopathology).
* Mentorship in **Students’ Scientific work**, with publications in scientific journals and presentations at conferences/research meetings.

# Symposium Chair - Invited Speaking Engagements, Presentations, Symposia & Workshops

2019 Chair, 24rd World Congress on Advances in Oncology and 24nd International Symposium on Molecular Medicine; 2019 October 10-12; Mystras Grand Palace Resort, Sparta, Greece.

2018 Chair, 23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine; 2018 September 22; Athens, Greece.

2016 Chair, 21st World Congress on Advances in Oncology and 19th International Symposium on Molecular Medicine; 2016 October 07; Athens, Greece.

**Peer-Reviewed Presentations & Symposia Given at Meetings**

2024: Vageli DP, Doukas GP, Judson BL Discovering novel and unique saliva and serum miRNA and mRNA signatures for oral cancer detection using whole transcriptome and small non-coding RNA sequencing: prediction of their association with PI3K/AKT pathway. 12th Annual Symposium on Global Cancer Research (May 6-9 2024).

2024: Vageli DP, Doukas GP, Judson BL. Saliva IL6 upregulation as a potential indicator of tobacco-smoke-associated OSCC and disease progression and the association of saliva RELA upregulation with OSCC local Invasion in non-smokers. 12th Annual Symposium on Global Cancer Research (May 6-9 2024).

2024: (poster presentation). Vageli D.P. – Mentor. “Identification of novel saliva and serum miRNA and mRNA signatures for oral cancer detection using whole transcriptome and small non-coding RNA sequencing: prediction of their association with the PI3K/AKT pathway.” Yale Surgery Research Day; April 2024.

2024: (poster presentation). Vageli D.P. – Mentor. “Oral Premalignant lesions-associated Saliva and Serum mRNA and miRNA Profiles by Next-generation Sequencing: A Pilot Study.” Yale Surgery Research Day; April 2024.

2023: Vageli DP, Doukas PG, Judson BL. A novel saliva miRNA panel of promising diagnostic biomarkers for oral cancer: the association of miR-21 with smoking history. AACR-AHNS conference July 7-8, 2023, Palais des congrès de Montréal, Monteal, GC, Canada.

2023: Ioannou M, Zacharouli K, Pouliou E, Tsangari V, Tzika S, Vageli DP, Doukas PG. (eP155) Extranodullar follicular lymphoma with marginal zone differentiation: a rare case report described by molecular analysis. 18th Panhellenic Pathology Congress 2023; June 21- 23; Domotel Xenia Volos, Volos, Greece.

2023: (poster presentation) Vageli D.P.- Mentor. “Saliva miRNAs levels as a novel screening method for tobacco smoke risk assessment oral cancer”. Yale Surgery Research Day; April 26, 2023. The Anlyan Center (TAC) auditorium, 300 Cedar St, New Haven CT 06520-8043, USA.

2023: (poster presentation) Vageli D.P. - Mentor. “The Effect of Tobacco Smoke N-Nitrosamines, NNK and NDEA, and Nicotine, on DNA Mismatch Repair Mechanism and miRNA Markers, in Hypopharyngeal Squamous Cell Carcinoma: An In Vivo Model and Clinical Evidence”. Yale Surgery Research Day; April 26, 2023.

2022: (poster presentation) Vageli DP. “Noxious combination of tobacco smoke nitrosamines with bile acids promotes hypopharyngeal squamous cell carcinoma, via NF-κB, in vivo.” Surgery Research Day Yale School of Medicine, Department of Surgery, April 20, 2022, Grand Rounds (Basic Science), New Haven CT, USA.

2022: (poster presentation) Vageli D.P.-Mentor “Targeting STAT3 prevents bile reflux-induced oncogenic molecular events linked to upper aerodigestive tract carcinogenesis” Surgery Research Day Yale School of Medicine, Department of Surgery, April 20, 2022, Grand Rounds (Basic Science), New Haven CT, USA.

2022: Hemophagocytic lymphohistiocytosis in trephine biopsy of a living post-COVID-19 patient. 34th ECP (European Congress of Pathology) 2022 (Basel, Switzerland).

2022: Laminin as a useful marker in the differentiation between actinic cheilitis and invasive squamous cell carcinoma in oral biopsies: new insights. 34th ECP (European Congress of Pathology) 2022 (Basel, Switzerland).

2021: (poster presentation) Vageli DP. “Bile refluxate at weakly acidic pH is a risk factor for supra-esophageal carcinogenesis: an in vivo model” Surgery Research Day Yale School of Medicine, Department of Surgery, April 7, 2021, Grand Rounds (Basic Science), New Haven CT, USA.

2021: (poster presentation) Vageli D.P.-Mentor “Curcumin prevents and suppresses bile-reflux related tumorigenesis of hypopharynx” Surgery Research Day Yale School of Medicine, Department of Surgery, April 7, 2021, Grand Rounds (Basic Science), New Haven CT, USA.

2020: (poster presentation) Vageli D.P.-Mentor “Bile at strongly acidic pH potentiates the NF-κB activation and its related anti-apoptotic pathway in human hypopharyngeal squamous cancer cells” Surgery Research Day Yale School of Medicine, Department of Surgery, April 24, 2020, Grand Rounds (Showcase), New Haven CT, USA

2020: (poster presentation) Vageli D.P.-Mentor In vivo temporal characteristics of NF-κB inhibition in bile-induced early oncogenic molecular events in murine hypopharyngeal mucosa” Surgery Research Day Yale School of Medicine, Department of Surgery, April 24, 2020, Grand Rounds (Showcase), New Haven CT, USA

2020: (poster presentation) Vageli DP. “Long-term exposure of laryngopharyngeal mucosa to acidic bile is carcinogenic” Surgery Research Day Yale School of Medicine, Department of Surgery, April 24, 2020, Grand Rounds (Showcase), New Haven CT, USA

2019: 24rd World Congress on Advances in Oncology and 24nd International Symposium on Molecular Medicine; 10-12 October 2019, Mystras Grand Palace Resort, Sparta, Greece “Biliary tumorigenic effect on hypopharyngeal cells is significantly enhanced by pH reduction”

2019: 24rd World Congress on Advances in Oncology and 24nd International Symposium on Molecular Medicine; 10-12 October 2019, Mystras Grand Palace Resort, Sparta, Greece “Temporal characteristics of NF-κB inhibition in blocking bile-induced oncogenic molecular events in hypopharyngeal cells’.

2019: (oral presentation) Vageli DP.- Mentor. Is duration of acidic bile exposure a critical factor for NF-𝛋B activation and its related mRNA oncogenic phenotype in hypopharyngeal cells? Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 21, 2019, 310 Cedar St (BML auditorium), New Haven CT, USA

2019: (oral presentation) Vageli DP.- Mentor. The effect of bile on accelerating NF-kB related mRNA phenotype in human hypopharyngeal cancer cells. Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 21, 2019, 310 Cedar St (BML auditorium), New Haven CT, USA

2019: (oral presentation) Vageli DP.- Mentor. Temporal characteristics of NF-kB inhibition in blocking acidic bile-induced oncogenic molecular events on murine hypopharyngeal mucosa. Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 21, 2019, 310 Cedar St (BML auditorium), New Haven CT, USA

2019: (poster presentation) Vageli DP. The effects of pre- or post-application of BAY 11-7082 in blocking bile-induced oncogenic molecular events in hypopharyngeal cells” Surgery Research Day Yale School of Medicine, Department of Surgery, April 17, 2019, The Anlyan Center (TAC) auditorium, 300 Cedar St, New Haven CT 06520-8043, USA

2018: 23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine; 2018 September 22; Athens, Greece. “In vivo topical application of BAY 11-7082 prevents the acidic bile-induced mRNA and miRNA oncogenic phenotypes, in exposed murine hypopharyngeal mucosa”.

2018: 23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine; 2018 September 22; Athens, Greece. Capability of curcumin in preventing the bile reflux-induced NF-κB-related mRNA oncogenic phenotype in human hypopharyngeal cells.

2018: (oral presentation) Vageli DP.- Mentor. “The effect of pH in acidic bile-induced NF-kB activation in human hypopharyngeal cells” Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 2018, 310 Cedar St (BML auditorium), New Haven CT, USA

2018: (oral presentation) Vageli DP.- Mentor. “The effect of pH on bile-induced transcriptional activation of mRNA oncogenic phenotype in human hypopharyngeal primary cells” Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 2018, 310 Cedar St (BML auditorium), New Haven CT, USA

2018: (poster presentation) Vageli DP.- Mentor. In vivo topical application of BAY 11-7082 prevents the acidic bile-induced mRNA and miRNA oncogenic phenotypes, in exposed murine hypopharyngeal mucosa” Surgery Research Day Yale School of Medicine, Department of Surgery, June 6, 2018, The Anlyan Center (TAC) auditorium, 300 Cedar St, New Haven CT 06520-8043, USA

2017: (oral presentation) Vageli DP.- Mentor. “Curcumin prevents the bile-induced NF-kB-related oncogenic phenotype in human hypopharyngeal primary cells” Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 2017, 310 Cedar St (BML auditorium), New Haven CT, USA

2017: (oral presentation) Vageli DP.- Mentor An in vivo model of acid as a dependent factor in bile-related effect in laryngopharyngeal mucosa. ” Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 2017, 310 Cedar St (BML auditorium), New Haven CT, USA

2016: 21st World Congress on Advances in Oncology and 19th International Symposium on Molecular Medicine; 2016 October 07; Athens, Greece. “In vitro and in vivo models for gastro-duodenal fluid induced nuclear kappaB activation and its role in laryngopharyngeal carcinogenesis”.

2016: 21st World Congress on Advances in Oncology and 19th International Symposium on Molecular Medicine; 2016 October 08; Athens, Greece. Spandidos. “Tumor necrosis factor-alpha blockers-induced transcriptional reduction of pro-inflammatory interleukin-33, Toll-like receptors 2 and 9 in psoriatic plaques”.

2015: (oral presentation) Vageli DP.- Mentor. “The effect of pepsin ion Nuclear Factor-κappaB activation and its related oncogenic pathways in human hypopharyngeal keratinocytes, in vitro” Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 19, 2015, 310 Cedar St (BML auditorium), New Haven CT, USA

2014: (Lecture) Vageli DP. “Laryngopharyngeal reflux-induced NF-κB activation and its role in laryngopharyngeal carcinogenesis” Yale Otolaryngology Resident Research Day, June 27, 2014, Yale School of Medicine 310 Cedar St Brady Memorial Laboratory (BML) auditorium, New Haven CT, 06519, USA

2014: (Lecture) Vageli D.P. “Laryngopharyngeal reflux-induced NF-κB activation and its role in laryngopharyngeal carcinogenesis” Seminars of Surgical Research, Yale University Medical School, October 15, 2014; 310 Cedar St Brady Memorial Laboratory (BML) auditorium, New Haven CT, 06519, USA

2013: ERS Annual Congress 2013, Barcelona. 7-11 September 2013. Session 441: Biology and molecular pathology of lung cancer. (4639) “Correlation of miR-422a, miR-21 and miR-155 analysis with hMSH2 and hMLH1 mRNA expression profiles in non-small cell lung carcinomas and their adjacent normal tissues”.

2013: 22nd Panhellenic Respiratory Congress 2013. 5-8 October, International Congress Centre of Megaro Mousikis Athenon, Athens, Greece. (ΕΑ022). “Determination of correlation between miR-422a, miR-21, miR-155 and Mismatch DNA repair genes in NSCLCs”.

2012: 21st Panhellenic Urologic Congress 2012, 11-14 October, Hilton Hotel, Athens, Greece. (ΑΑ-037) “Mismatch repair hMSH2, hMLH1, hMSH6 and hPMS2 mRNA expression in urothelial carcinomas”.

2009: The 14th World Congress on Advances in Oncology 12th International Symposium on Molecular Medicine, October, 2009, Loutraki, Athens, Greece. “Phenotypic Mismatch DNA repair hMSH2 and hMLH1 gene expression profile: a potential diagnostic histological staging & prognostic survival marker in lung carcinomas” International Journal of Molecular Medicine 24: S74-S74 380 Suppl. 1 2009

2009: The 14th World Congress on Advances in Oncology 12th International Symposium on Molecular Medicine, October, 2009, Loutraki, Athens, Greece. “MSH2 & MLH1 phenotypic profiles of two rare cams of synchronous histomorphologically distinct gastric adenocarcinomas with gastrointestinal stromal tumors of the proximal small bowel: Informative, "all purpose", practical tumor markers” International Journal of Molecular Medicine 24: S75-S75 381 Suppl. 1 2009

2008: The 13th World Congress on Advances in Oncology 11th International Symposium on Molecular Medicine, 9-11 October, 2008, Hersonissos, Crete, Greece. (437) “Determination of hypoxia effects to hMSH2 and hMLH1, DNA repair gene expression in non-small cell lung carcinomas”.

2008: The 13th World Congress on Advances in Oncology 11th International Symposium on Molecular Medicine, 9-11 October, 2008, Hersonissos, Crete, Greece. (411) “Human Papilloma Virus Vaccine In Childhood: The possible role of HPV geographic variations on the effectiveness of the vaccination program”.

2008: 1st International Lung Cancer Conference, Journal of Thoracic Oncology, Vol 3(7): Suppl 3, July 2008. (PP14). “DIRAS3 is hypermethylated in NSCLC”

2008: 17th Panhellenic Congress of Thoracic Deceases, 20-23th November 2008, Alexandroupolis, Thrace Palace Hotel. (AA 187) “mRNA phenotypic expression of hMSH2 & hMLH1 DNA repair genes in NSCLCs.”

2007: The 12th World Congress on Advances in Oncology 10th International Symposium on Molecular Medicine, 11-13 October, 2007, Hersonissos, Crete, Greece. (213) “Human Papilloma Virus (HPV) And Ras/Raf Pathway”.

2007: The 12th World Congress on Advances in Oncology 10th International Symposium on Molecular Medicine, 11-13 October, 2007, Hersonissos, Crete, Greece. (378) “hMSH2 and hMLH1 DNA repair genes detection of mRNA transcripts in NSCLCs”.

2006: The 11th World Congress on Advances in Oncology 9th International Symposium on Molecular Medicine, 12-14 October, 2006, Hersonissos, Crete, Greece. (307) “hTERT transcriptional activation is enhanced in HER2/neu overexpressing breast carcinomas”.

2006: The 11th World Congress on Advances in Oncology 9th International Symposium on Molecular Medicine, 12-14 October, 2006, Hersonissos, Crete, Greece. (329) “Human Papolloma Virus (HPV) infection of Salivary Glands Tumors”.

2006: 21ο Medical Congress 30th March-1st April 2006, Thessaloniki, Hotel HYATT REGENCY. “Detection of HER2/neu amplification in breast carcinomas with immunopositivity 2+/1+. Correlation with mRNA expression”.

2005: The 10th World Congress on Advances in Oncology 8th International Symposium on Molecular Medicine, 14-16 October, 2005, Hersonissos, Crete, Greece. (348) “Quantification of HER-2/neu transcripts with Real Time PCR in Breast carcinomas without gene amplification detectable with in situ hybridization”.

2005: The 10th World Congress on Advances in Oncology 8th International Symposium on Molecular Medicine, 14-16 October, 2005, Hersonissos, Crete, Greece. (349) “Genetic alterations of the MEN1 locus in pulmonary lung carcinoid tumors. A possible diagnostic approach using Real Time PCR with melting curve analysis in histopathologic material”.

2005: European Respiratory Society Annual Congress 2005, September 17-21, Copenhagen-Denmark. (666) “Local clustering of lung carcinoid tumors (LTCs) in a small area of central Greece: genetic abnormalities involving multiple endocrine neoplasia 1 (MEN1) gene on chromosome 11q”.

2004: Panhellenic Congress of Pathology, June 2004, Kavala, Greece. “Comparative study of detection methods of HER2/neu amplification of breast carcinomas”.

2004: Panhellenic Congress of Pathology, June 2004, Kavala, Greece. “Papillary carcinoma of Cervical Squamous Epithelial. Detection of HPV, p63 and Ki67”.

2004: Panhellenic Congress of Pathology, June 2004, Kavala, Greece. “Initiative Diffuse non-Hodgkin breast lymphoma from Large B-Cells”.

2004: Panhellenic Congress of Pathology, June 2004, Kavala, Greece. “Detection of HPV with in situ Hybridization in Cervical material”.

2004: 24th Panhellenic Congress of Surgery, 2004, 2-5 October, Thessaloniki-Greece. “Comparative study of detection methods of HER2/neu amplification of breast carcinomas”.

2004: 24th Panhellenic Congress of Surgery, 2004, 2-5 October, Thessaloniki-Greece. “Molecular Study of initiative non-Hodgkin Breast Lymphoma”.

**Lecture/Oral presentations/Posters – Mentor**

**(Representative samples from a total of 24)**

2014: (Lecture) **Vageli DP.** “Laryngopharyngeal reflux-induced NF-κB activation and its role in laryngopharyngeal carcinogenesis” Yale Otolaryngology Resident Research Day, June 27, 2014, Yale School of Medicine 310 Cedar St Brady Memorial Laboratory (BML) auditorium, New Haven CT, 06519, USA

2014: (Lecture) **Vageli D.P.** “Laryngopharyngeal reflux-induced NF-κB activation and its role in laryngopharyngeal carcinogenesis” Seminars of Surgical Research, Yale University Medical School, October 15, 2014; 310 Cedar St Brady Memorial Laboratory (BML) auditorium, New Haven CT, 06519, USA

2015: (Oral presentation) **Vageli DP.- Mentor.** “The effect of pepsin ion Nuclear Factor-κappaB activation and its related oncogenic pathways in human hypopharyngeal keratinocytes, in vitro” Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 19, 2015, 310 Cedar St (BML auditorium), New Haven CT, USA

2017: (Oral presentation) **Vageli DP.- Mentor** An in vivo model of acid as a dependent factor in bile-related effect in laryngopharyngeal mucosa. ” Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 2017, 310 Cedar St (BML auditorium), New Haven CT, USA

2018: (Oral presentation) **Vageli DP.- Mentor.** “The effect of pH on bile-induced transcriptional activation of mRNA oncogenic phenotype in human hypopharyngeal primary cells” Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 2018, 310 Cedar St (BML auditorium), New Haven CT, USA

2019: (Oral presentation) **Vageli DP.- Mentor**. Is the duration of acidic bile exposure a critical factor for NF-𝛋B activation and its related mRNA oncogenic phenotype in hypopharyngeal cells? Resident Research Day, Yale School of Medicine, Department of Surgery (Otolaryngology), June 21, 2019, 310 Cedar St (BML auditorium), New Haven CT, USA

2020: (poster presentation) **Vageli DP.** “Long-term exposure of laryngopharyngeal mucosa to acidic bile is carcinogenic” Surgery Research Day Yale School of Medicine, Department of Surgery, April 24, 2020, Grand Rounds (Showcase), New Haven CT, USA

2021: (poster presentation) **Vageli D.P.** “Bile refluxate at weakly acidic pH is a risk factor for supra-esophageal carcinogenesis: an in vivo model”. Yale Surgery Research Day; April 7, 2021.

2022: (poster presentation) **Vageli D.P.** “Noxious combination of tobacco smoke nitrosamines with bile acids promotes hypopharyngeal squamous cell carcinoma, via NF-κB, in vivo”. Yale Surgery Research Day; April 20, 2022.

2022: (poster presentation) **Vageli D.P.-Mentor**. “Targeting STAT3 prevents bile reflux-induced oncogenic events linked to upper aerodigestive tract carcinogenesis”. Yale Surgery Research Day; April 20, 2022.

2023: (poster presentation) **Vageli D.P.- Mentor**. “Saliva miRNAs levels as a novel screening method for tobacco smoke risk assessment oral cancer”. Yale Surgery Research Day; April 26, 2023. The Anlyan Center (TAC) auditorium, 300 Cedar St, New Haven CT 06520-8043, USA

2023: (poster presentation) **Vageli D.P.** “The Effect of Tobacco Smoke *N*-Nitrosamines, NNK and NDEA, and Nicotine, on DNA Mismatch Repair Mechanism and miRNA Markers, in Hypopharyngeal Squamous Cell Carcinoma: An In Vivo Model and Clinical Evidence”. Yale Surgery Research Day; April 26, 2023.

2024: (poster presentation). **Vageli D.P.** “Identification of novel saliva and serum miRNA and mRNA signatures for oral cancer detection using whole transcriptome and small non-coding RNA sequencing: prediction of their association with the PI3K/AKT pathway.” Yale Surgery Research Day; April 2024.

2024: (poster presentation). **Vageli D.P.** “Oral Premalignant lesions-associated Saliva and Serum mRNA and miRNA Profiles by Next-generation Sequencing: A Pilot Study.” Yale Surgery Research Day; April 2024.

**Contribution to the Yale Head and Neck Biorepository (SPORE)**

May-August 2023: Coordination of human specimen collection (tissue specimens, blood and saliva), archiving, analysis (submission to YCGA) and distribution (shipment to other institutions, such as UNC) as part of ongoing chemotherapeutic clinical trials. ·

**Journal Service:**

Editorial:

Associate Editor: Journal of Molecular Histology (Springer Nature).

Special Issue Editor in *Current Oncology* (MDPI) (ISSN 1718-7729) 2022

Section: Head and Neck Oncology

Specific issue: “Advances in Squamous Cell Carcinoma of Head and Neck” (viewed by 16716)

[**https://www.mdpi.com/journal/curroncol/special\_issues/advances\_hnscc**](https://www.mdpi.com/journal/curroncol/special_issues/advances_hnscc)

Reviewer

2015-present, reviewer of more than thirty manuscripts in more than fourteen journals such as:

Nature Communications Medicine (i.f.: 16.7)

Int. J. Mol. Sci. (MDPI) (i.f.: 5.6)

Int J Mol Med (i.f.: 5.4)

Journal of Cellular and Molecular Medicine (i.f.: 5.3)

Int J Oncol (i.f. 5.2)

Scientific Reports (i.f.: 5)

European Journal of Pharmacology (i.f.: 4.4)

Oncology Reports (i.f.: 4.2)

Frontiers in Bioscience-Landmark (FBL) (i.f.: 3.9)

Oncotarget (i.f.: 2.5-3.3)

OncoTargets and Therapy (i.f.: 3.1)

Medicina (MDPI) (i.f.: 2.9)

Oncology Letters (i.f.: 2.9)

Experimental and Therapeutic Medicine (i.f.: 2.7) etc.

**Composing and submitting funded grant proposals**:

2014-2015**:** Ohse Research Award: Effect of laryngopharyngeal reflux induced NF-κB activation in pre-malignant transformation of *in vivo* hypopharyngeal mucosa, Yale School of Medicine, Department of Surgery.

2013-2014: Ohse Research Award: Laryngopharyngeal reflux induced NF-κB activation and its role in Laryngopharyngeal carcinogenesis, Yale School of Medicine, Department of Surgery

January 2016 & 2017: Award Yale Cancer Center / Co-Investigator (PI: Sasaki CT) / Title: Gastroduodenal reflux induced neoplastic transformation of hypopharyngeal mucosa .

**Composing and submitting unfunded grant proposals**:

October 2020: R01 to NCI / NIDCR /Role Co-Investigator (PI: sasaki CT) / Title: “Establishing a “2-hit” convergence model of bile-induced squamous cell carcinogenesis in hypopharynx and esophagus”

January 2021: AHNS Pilot Grant / Role: PI (Mentor: Sasaki CT) / An in vivo model of pepsin-induced hypopharyngeal carcinogenesis and the role of NF-kB as a key mediator of pepsin-induced anti-apoptotic function.

May 2022: Yale SPORE in Head & Neck Cancer’s Development Research Program / Role: Co-Investigator (PI: Benjamin L. Judson) / Title: “Combined saliva and serum miRNA profiles as diagnostic biomarkers in HPV-negative HNSCC”

February 5th 2023: R01 /MCDC (Molecular Cancer Diagnosis and Classification Study Section)

Role: Co-PI (PI/Mentor: Dr. Benjamin L. Judson) Title: Non-invasive molecular biomarkers for detection of oral high-risk premalignant and early malignant lesion”

October 17, 2023 R03/NCI/DCP/Role PI (Co-PI/Mentor: Dr. Benjamin L. Judson) PAR23-058 **“**Discovering saliva microRNA profile for the detection of laryngeal cancer” (100,000/for 2 years)

February 27th 2024: resubmission R01 /NCI/DCP/Cancer Biomarkers Research Group. Role: PI (Co-PI/Mentor: Dr. Benjamin L. Judson) Title: “Non-invasive molecular biomarkers for detection and prognosis of oral premalignant and monitoring PML” (2,500,000/for 5 years)

**Bibliography:**

**Peer-Reviewed Original Research (>1118 citations; i10-index: 31 in Google Scholar)**

1. Kotsinas A, **Vageli D**, Varakliotou A, Anezinis P, Cranidis A, Spandidos D. Genomic instability and loh at 2 polymorphic sites in the h-ras1 gene. Int J Oncol. 1994 Dec;5(6):1249-53. DOI: [10.3892/ijo.5.6.1249](https://www.spandidos-publications.com/ijo/5/6/1249). PMID: [21559705](https://pubmed.ncbi.nlm.nih.gov/21559705/).
2. **Vageli D,** Kiaris H, Delakas D, Anezinis P, Cranidis A, Spandidos DA. Transcriptional activation of H-ras, K-ras and N-ras proto-oncogenes in human bladder tumors. Cancer Lett. 1996 Oct 22;107(2):241-7. DOI: [10.1016/0304-3835(96)04372-8](https://www.sciencedirect.com/science/article/pii/0304383596043728?via%3Dihub). PMID: [8947520](https://pubmed.ncbi.nlm.nih.gov/8947520/).
3. **Vageli D,** Daniil Z, Dahabreh J, Karagianni E, Liloglou T, Koukoulis G, Gourgoulianis K. Microsatellite instability and loss of heterozygosity at the MEN1 locus in lung carcinoid tumors: a novel approach using real-time PCR with melting curve analysis in histopathologic material. Oncol Rep. 2006 Mar;15(3):557-64. DOI: [10.3892/or.15.3.557](https://www.spandidos-publications.com/or/15/3/557). PMID: [16465412](https://pubmed.ncbi.nlm.nih.gov/16465412/).
4. Kostopoulou E, **Vageli D**, Kaisaridou D, Nakou M, Netsika M, Vladica N, Daponte A, Koukoulis G. Comparative evaluation of non-informative HER-2 immunoreactions (2+) in breast carcinomas with FISH, CISH and QRT-PCR. Breast. 2007 Dec;16(6):615-24. DOI: [10.1016/j.breast.2007.05.008](https://www.thebreastonline.com/article/S0960-9776(07)00108-7/fulltext). Epub 2007 Jul 2. PMID: [17606374](https://pubmed.ncbi.nlm.nih.gov/17606374/).
5. **Vageli D,** Sourvinos G, Ioannou M, Koukoulis GK, Spandidos DA. High-risk human papillomavirus (HPV) in parotid lesions. Int J Biol Markers. 2007 Oct-Dec;22(4):239-44. DOI: [10.1177/172460080702200401](https://journals.sagepub.com/doi/10.1177/172460080702200401). PMID: [18161653](https://pubmed.ncbi.nlm.nih.gov/18161653/).
6. Mammas IN, **Vageli D**, Spandidos DA. Geographic variations of human papilloma virus infection and their possible impact on the effectiveness of the vaccination program. Oncol Rep. 2008 Jul;20(1):141-5. DOI: [10.3892/or.20.1.141](https://www.spandidos-publications.com/or/20/1/141). PMID: [18575729](https://pubmed.ncbi.nlm.nih.gov/18575729/).
7. **Vageli D,** Ioannou MG, Koukoulis GK. Transcriptional activation of hTERT in breast carcinomas by the Her2-ER81-related pathway. Oncol Res. 2009;17(9):413-23. DOI: [10.3727/096504009788912507](https://www.ingentaconnect.com/content/tsp/or/2009/00000017/00000009/art00004;jsessionid=2l563hd9f5ai4.x-ic-live-03). PMID: [19718948](https://pubmed.ncbi.nlm.nih.gov/19718948/).
8. **Vageli D,** Daniil Z, Dahabreh J, Karagianni E, Vamvakopoulou DN, Ioannou MG, Scarpinato K, Vamvakopoulos NC, Gourgoulianis KI, Koukoulis GK. Phenotypic mismatch repair hMSH2 and hMLH1 gene expression profiles in primary non-small cell lung carcinomas. Lung Cancer. 2009 Jun;64(3):282-8. DOI: [10.1016/j.lungcan.2008.09.0](https://www.lungcancerjournal.info/article/S0169-5002(08)00513-8/fulltext)18. Epub 2008 Dec 3. Erratum in: Lung Cancer. 2010 Jan;67(1):126. PMID: [19056144](https://pubmed.ncbi.nlm.nih.gov/19056144/).
9. Ioannou M, Papamichali R, Kouvaras E, Mylonis I, **Vageli D**, Kerenidou T, Barbanis S, Daponte A, Simos G, Gourgoulianis K, Koukoulis GK. Hypoxia inducible factor-1 alpha and vascular endothelial growth factor in biopsies of small cell lung carcinoma. Lung. 2009 Sep-Oct;187(5):321-9. DOI: [10.1007/s00408-009-9169-z](https://link.springer.com/article/10.1007/s00408-009-9169-z). Epub 2009 Aug 26. PMID: [19707816](https://pubmed.ncbi.nlm.nih.gov/19707816/).
10. **Vageli DP,** Giannopoulos S, Doukas SG, Kalaitzis C, Giannakopoulos S, Giatromanolaki A, Koukoulis GK, Touloupidis S. Mismatch repair hMSH2, hMLH1, hMSH6 and hPMS2 mRNA expression profiles in precancerous and cancerous urothelium. Oncol Lett. 2013 Jan;5(1):283-294. DOI: [10.3892/ol.2012.979](https://www.spandidos-publications.com/10.3892/ol.2012.979). Epub 2012 Oct 19. PMID: [23255936](https://pubmed.ncbi.nlm.nih.gov/23255936/); PMCID: [PMC3525358](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc3525358/).
11. **Vageli DP,** Zaravinos A, Daniil Z, Dahabreh J, Doukas SG, Spandidos DA, Gourgoulianis KI, Koukoulis GK. hMSH2 and hMLH1 gene expression patterns differ between lung adenocarcinoma and squamous cell carcinoma: correlation with patient survival and response to adjuvant chemotherapy treatment. Int J Biol Markers. 2013 Jan 27;27(4):e400-4. DOI: [10.5301/JBM.2012.9420](https://journals.sagepub.com/doi/10.5301/JBM.2012.9420). PMID: [22865300](https://pubmed.ncbi.nlm.nih.gov/22865300/).
12. **Vageli DP,** Papamichali R, Kambosioras K, Papandreou CN, Koukoulis G. Mismatch DNA repair hMSH2, hMLH1, hMSH6 and hPMS2 mRNA expression profiles in colorectal carcinomas. J Genet Syndr Gene Ther 2013;4(10): 1-9. DOI*:*[10.4172/2157-7412.1000191](https://www.longdom.org/open-access/mismatch-dna-repair-hmsh-hmlh-hmsh-and-hpms-mrna-expression-profiles-in-colorectal-carcinomas-2157-7412.1000191.pdf)
13. **Vageli DP,** Exarchou A, Zafiriou E, Doukas PG, Doukas S, Roussaki-Schulze A. Effect of TNF-α inhibitors on transcriptional levels of pro-inflammatory interleukin-33 and Toll-like receptors-2 and -9 in psoriatic plaques. Exp Ther Med. 2015 Oct;10(4):1573-1577. DOI: [10.3892/etm.2015.2688](https://www.spandidos-publications.com/10.3892/etm.2015.2688). Epub 2015 Aug 18. PMID: [26622528](https://pubmed.ncbi.nlm.nih.gov/26622528/); PMCID: [PMC4577938](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc4577938/).
14. Sasaki CT, Issaeva N, **Vageli DP**. In vitro model for gastroduodenal reflux-induced nuclear factor-kappaB activation and its role in hypopharyngeal carcinogenesis. Head Neck. 2016 Apr;38 Suppl 1:E1381-91. DOI: [10.1002/hed.24231](https://onlinelibrary.wiley.com/doi/10.1002/hed.24231). Epub 2015 Nov 11. PMID: [26559497](https://pubmed.ncbi.nlm.nih.gov/26559497/).
15. **Vageli DP,** Prasad ML, Sasaki CT. Gastro-duodenal fluid induced nuclear factor-κappaB activation and early pre-malignant alterations in murine hypopharyngeal mucosa. Oncotarget. 2016 Feb 2;7(5):5892-908. DOI: [10.18632/oncotarget.6824](https://www.oncotarget.com/article/6824/text/). PMID: [26745676](https://pubmed.ncbi.nlm.nih.gov/26745676/); PMCID: [PMC4868729](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc4868729/).
16. Sasaki CT, **Vageli DP**. miR-21, miR-155, miR-192, and miR-375 Deregulations Related to NF-kappaB Activation in Gastroduodenal Fluid-Induced Early Preneoplastic Lesions of Laryngeal Mucosa In Vivo. Neoplasia. 2016 Jun;18(6):329-38. DOI: [10.1016/j.neo.2016.04.007](https://www.sciencedirect.com/science/article/pii/S147655861630032X?via%3Dihub). Epub 2016 May 25. PMID: [27292022](https://pubmed.ncbi.nlm.nih.gov/27292022/); PMCID: [PMC4909705](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc4909705/).
17. Sasaki CT, Toman J, **Vageli D**. The In Vitro Effect of Acidic-Pepsin on Nuclear Factor KappaB Activation and Its Related Oncogenic Effect on Normal Human Hypopharyngeal Cells. PLoS One. 2016 Dec 14;11(12):e0168269. DOI: [10.1371/journal.pone.0168269](https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0168269). PMID: [27973541](https://pubmed.ncbi.nlm.nih.gov/27973541/); PMCID: [PMC5156414](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc5156414/).
18. **Vageli DP,** Doukas SG, Sasaki CT. Inhibition of NF-*κ*B prevents the acidic bile-induced oncogenic mRNA phenotype, in human hypopharyngeal cells. Oncotarget. 2017 Dec 12;9(5):5876-5891. DOI: [10.18632/oncotarget.23143](https://www.oncotarget.com/article/23143/text/). PMID: [29464041](https://pubmed.ncbi.nlm.nih.gov/29464041/); PMCID: [PMC5814181](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc5814181/).
19. Doukas SG, **Vageli DP**, Sasaki CT. NF-κB inhibition reverses acidic bile-induced miR-21, miR-155, miR-192, miR-34a, miR-375 and miR-451a deregulations in human hypopharyngeal cells. J Cell Mol Med. 2018 May;22(5):2922-2934. DOI: [10.1111/jcmm.13591](https://doi.org/10.1111/jcmm.13591). Epub 2018 Mar 8. PMID: [29516639](https://pubmed.ncbi.nlm.nih.gov/29516639/); PMCID: [PMC5908126](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc5908126/).
20. Sasaki CT, Doukas SG, **Vageli DP**. In Vivo Short-Term Topical Application of BAY 11-7082 Prevents the Acidic Bile-Induced mRNA and miRNA Oncogenic Phenotypes in Exposed Murine Hypopharyngeal Mucosa. Neoplasia. 2018 Apr;20(4):374-386. DOI: [10.1016/j.neo.2018.02.001](https://doi.org/10.1016/j.neo.2018.02.001). Epub 2018 Mar 9. PMID: [29529473](https://pubmed.ncbi.nlm.nih.gov/29529473/); PMCID: [PMC5909679](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc5909679/).
21. **Vageli DP,** Doukas SG, Spock T, Sasaki CT. Curcumin prevents the bile reflux-induced NF-κB-related mRNA oncogenic phenotype, in human hypopharyngeal cells. J Cell Mol Med. 2018 Sep;22(9):4209-4220. DOI: [10.1111/jcmm.13701](https://doi.org/10.1111/jcmm.13701). Epub 2018 Jun 17. PMID: [29911313](https://pubmed.ncbi.nlm.nih.gov/29911313/); PMCID: [PMC6111812](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6111812/).
22. Doukas SG, Cardoso B, Tower JI, **Vageli DP**, Sasaki CT. Biliary tumorigenic effect on hypopharyngeal cells is significantly enhanced by pH reduction. Cancer Med. 2019 Aug;8(9):4417-4427. DOI: [10.1002/cam4.2194](https://doi.org/10.1002/cam4.2194). Epub 2019 Jun 7. PMID: [31173474](https://pubmed.ncbi.nlm.nih.gov/31173474/); PMCID: [PMC6675744](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6675744/).
23. Sasaki CT, Doukas SG, Costa J, **Vageli DP**. Biliary reflux as a causal factor in hypopharyngeal carcinoma: New clinical evidence and implications. Cancer. 2019 Oct 15;125(20):3554-3565. DOI: [10.1002/cncr.32369](https://doi.org/10.1002/cncr.32369). Epub 2019 Jul 16. PMID: [31310330](https://pubmed.ncbi.nlm.nih.gov/31310330/).
24. Doukas PG, **Vageli DP**, Doukas SG, Sasaki CT. Temporal characteristics of NF-κB inhibition in blocking bile-induced oncogenic molecular events in hypopharyngeal cells. Oncotarget. 2019 May 21;10(36):3339-3351. DOI: [10.18632/oncotarget.26917](https://doi.org/10.18632/oncotarget.26917). PMID: [31164956](https://pubmed.ncbi.nlm.nih.gov/31164956/); PMCID: [PMC6534360](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6534360/).
25. Sasaki CT, Hajek M, Doukas SG, **Vageli DP**. The role of bile reflux and its related NF-κB activated pathway in progression of hypopharyngeal squamous cell cancer. Oral Oncol. 2020 Jun;105:104668. DOI: [10.1016/j.oraloncology.2020.104668](https://doi.org/10.1016/j.oraloncology.2020.104668). Epub 2020 Apr 2. PMID: [32247988](https://pubmed.ncbi.nlm.nih.gov/32247988/).
26. Doukas SG, **Vageli DP**, Lazopoulos G, Spandidos DA, Sasaki CT, Tsatsakis A. The Effect of NNK, A Tobacco Smoke Carcinogen, on the miRNA and Mismatch DNA Repair Expression Profiles in Lung and Head and Neck Squamous Cancer Cells. Cells. 2020 Apr 21;9(4):1031. DOI: [10.3390/cells9041031](https://doi.org/10.3390/cells9041031). PMID: [32326378](https://pubmed.ncbi.nlm.nih.gov/32326378/); PMCID: [PMC7226174](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7226174/).
27. Sasaki CT, Doukas SG, Costa J, **Vageli DP**. The Progressive Mutagenic Effects of Acidic Bile Refluxate in Hypopharyngeal Squamous Cell Carcinogenesis: New Insights. Cancers (Basel). 2020 Apr 25;12(5):1064. DOI: [10.3390/cancers12051064](https://doi.org/10.3390/cancers12051064): PMID: [32344873](https://pubmed.ncbi.nlm.nih.gov/32344873/); PMCID: [PMC7281001](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7281001/).
28. Doukas SG, Doukas PG, Sasaki CT, **Vageli D**. The in vivo preventive and therapeutic properties of curcumin in bile reflux-related oncogenesis of the hypopharynx. J Cell Mol Med. 2020 Sep;24(18):10311-10321. DOI: [10.1111/jcmm.15640](https://doi.org/10.1111/jcmm.15640). Epub 2020 Jul 21. PMID: [32691972](https://pubmed.ncbi.nlm.nih.gov/32691972/); PMCID: [PMC7521262](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7521262/).
29. **Vageli DP,** Kasle D, Doukas SG, Doukas PG, Sasaki CT. The temporal effects of topical NF-*κB* inhibition, in the *in vivo* prevention of bile-related oncogenic mRNA and miRNA phenotypes in murine hypopharyngeal mucosa: a preclinical model. Oncotarget. 2020 Sep 1;11(35):3303-3314. DOI: [10.18632/oncotarget.27706](https://doi.org/10.18632/oncotarget.27706). PMID: [32934775](https://pubmed.ncbi.nlm.nih.gov/32934775/); PMCID: [PMC7476734](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7476734/).
30. Sasaki CT, Doukas SG, Doukas PG, **Vageli DP**. Weakly Acidic Bile Is a Risk Factor for Hypopharyngeal Carcinogenesis Evidenced by DNA Damage, Antiapoptotic Function, and Premalignant Dysplastic Lesions In Vivo. Cancers (Basel). 2021 Feb 18;13(4):852. DOI: [10.3390/cancers13040852](https://doi.org/10.3390/cancers13040852). PMID: [33670587](https://pubmed.ncbi.nlm.nih.gov/33670587/); PMCID: [PMC7923205](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7923205/).
31. Doukas PG, **Vageli DP**, Sasaki CT, Judson BL. Pepsin Promotes Activation of Epidermal Growth Factor Receptor and Downstream Oncogenic Pathways, at Slightly Acidic and Neutral pH, in Exposed Hypopharyngeal Cells. Int J Mol Sci. 2021 Apr 20;22(8):4275. DOI: [10.3390/ijms22084275](https://doi.org/10.3390/ijms22084275). PMID: [33924087](https://pubmed.ncbi.nlm.nih.gov/33924087/); PMCID: [PMC8074291](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8074291/).
32. **Vageli DP,** Doukas PG, Siametis A, Judson BL. Targeting STAT3 prevents bile reflux-induced oncogenic molecular events linked to hypopharyngeal carcinogenesis. J Cell Mol Med. 2022 Jan;26(1):75-87. DOI: [10.1111/jcmm.17011](https://doi.org/10.1111/jcmm.17011). Epub 2021 Dec 1. PMID: [34850540](https://pubmed.ncbi.nlm.nih.gov/34850540/); PMCID: [PMC8742186](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8742186/).
33. **Vageli DP,** Doukas PG, Doukas SG, Tsatsakis A, Judson BL. Noxious Combination of Tobacco Smoke Nitrosamines with Bile, Deoxycholic Acid, Promotes Hypopharyngeal Squamous Cell Carcinoma, via NFκB, In Vivo. Cancer Prev Res (Phila). 2022 May 3;15(5):297-308. DOI: [10.1158/1940-6207.CAPR-21-0529](https://doi.org/10.1158/1940-6207.capr-21-0529). PMID: [35502554](https://pubmed.ncbi.nlm.nih.gov/35502554/).
34. Doukas PG, **Vageli DP**, Judson BL. The Role of PARP-1 and NF-κB in Bile-Induced DNA Damage and Oncogenic Profile in Hypopharyngeal Cells. Laryngoscope. 2023 May;133(5):1146-1155. DOI: [10.1002/lary.30284](https://doi.org/10.1002/lary.30284). Epub 2022 Jul 6. PMID: [35791892](https://pubmed.ncbi.nlm.nih.gov/35791892/).
35. Doukas SG, **Vageli DP**, Doukas PG, Nikitovic D, Tsatsakis A, Judson BL. The Effect of Tobacco Smoke *N*-Nitrosamines, NNK and NDEA, and Nicotine, on DNA Mismatch Repair Mechanism and miRNA Markers, in Hypopharyngeal Squamous Cell Carcinoma: An In Vivo Model and Clinical Evidence. Curr Oncol. 2022 Aug 4;29(8):5531-5549. DOI: [10.3390/curroncol29080437](https://doi.org/10.3390/curroncol29080437). PMID: [36005175](https://pubmed.ncbi.nlm.nih.gov/36005175/); PMCID: [PMC9406897](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc9406897/).
36. **Vageli D,** Doukas PG, Zacharouli K, Kakanis V, Strataki M, Zioga A, Skoulakis C, Koukoulis G, Ioannou M. Laminin Immunostaining in Biopsies as a Useful Biomarker of Early Invasion in Actinic Cheilitis and Differential Diagnosis Between Actinic Cheilitis and Lip Cancer: New Insights. Head Neck Pathol. 2023 Jun;17(2):331-338. DOI: [10.1007/s12105-022-01504-y](https://doi.org/10.1007/s12105-022-01504-y). Epub 2022 Oct 27. PMID: [36303015](https://pubmed.ncbi.nlm.nih.gov/36303015/); PMCID: [PMC10293497](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc10293497/).
37. Cicek B, Hacimuftuoglu A, Kuzucu M, Cetin A, Yeni Y, Genc S, Yildirim S, Bolat I, Kantarci M, Gul M, Hayme S, Matthaios D, **Vageli DP**, Doukas SG, Tsatsakis A, Taghizadehghalehjoughi A. Sorafenib Alleviates Inflammatory Signaling of Tumor Microenvironment in Precancerous Lung Injuries. Pharmaceuticals (Basel). 2023 Feb 1;16(2):221. DOI: [10.3390/ph16020221](https://doi.org/10.3390/ph16020221). PMID: [37259369](https://pubmed.ncbi.nlm.nih.gov/37259369/); PMCID: [PMC9963576](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc9963576/).
38. Genc S, Yagci T, **Vageli DP**, Dundar R, Doukas PG, Doukas SG, Tolia M, Chatzakis N, Tsatsakis A, Taghizadehghalehjoughi A. Exosomal MicroRNA-223, MicroRNA-146, and MicroRNA-21 Profiles and Biochemical Changes in Laryngeal Cancer. ACS Pharmacol Transl Sci. 2023 Apr 24;6(5):820-828. DOI: [10.1021/acsptsci.3c00038](https://doi.org/10.1021/acsptsci.3c00038). PMID: [37200807](https://pubmed.ncbi.nlm.nih.gov/37200807/); PMCID: PMC10186621.
39. **Vageli DP**, Doukas PG, Shah R, Boyi T, Liu C, Judson BL. A Novel Saliva and Serum miRNA Panel as a potential useful index for Oral Cancer and the Association of miR-21 with smoking history: a pilot study. Cancer Prev Res (Phila). 2023 Sep 8. DOI: [10.1158/1940-6207.CAPR-23-0219](https://doi.org/10.1158/1940-6207.capr-23-0219). Epub ahead of print. PMID: [37683274](https://pubmed.ncbi.nlm.nih.gov/37683274/).
40. Shah R, Tyagi S, **Vageli** **DP**, Judson B. Cost-effectiveness of hypothetical miRNA biomarker testing for post-treatment surveillance of HPV-negative OPSCC. Oral Oncology Reports 2023;8: 100122. <https://doi.org/10.1016/j.oor.2023.100122>.
41. **Vageli DP**, Doukas PG, Townsend JP, Pickering C, Judson BL. Novel non-invasive molecular signatures for oral cavity cancer, by whole transcriptome and small non-coding RNA sequencing analyses: Predicted association with PI3K/AKT/mTOR pathway. Cancer Med. 2024 Jun;13(11):e7309. <https://doi.org/10.1002/cam4.7309> PMID: 38819439; PMCID: PMC11141334.

***Peer-Reviewed Case Reports***

1. **Vageli DP,** Doukas SG, Markou A. Mismatch DNA repair mRNA expression profiles in oral melanin pigmentation lesion and hamartomatous polyp of a child with Peutz-Jeghers syndrome. Pediatr Blood Cancer. 2013 Oct;60(10):E116-7. DOI: [10.1002/pbc.24579](https://doi.org/10.1002/pbc.24579). Epub 2013 May 15. PMID: [23677888](https://pubmed.ncbi.nlm.nih.gov/23677888/).
2. **Vageli DP,** Doukas SG, Markou Α. HPV6 Infection of an Infant’s Penile Condyloma at the Urethral Meatus. J Genet Syndr Gene Ther 2013;4(157):2. DOI: [10.4172/2157-7412.1000157](https://www.longdom.org/open-access-pdfs/hpv6-infection-of-an-infants-penile-condyloma-at-the-urethral-meatus-2157-7412.1000157.pdf).
3. Zacharouli K, **Vageli DP**, Koukoulis GK, Ioannou M. Patient with prostatic adenocarcinoma with plasmacytoid features and an aberrant immunohistochemical phenotype diagnosed by biopsy and a mini-review of plasmacytoid features in the genitourinary system: A case report. Mol Clin Oncol. 2022 Mar;16(3):67. DOI: [10.3892/mco.2022.2500](https://doi.org/10.3892/mco.2022.2500). Epub 2022 Jan 20. PMID: [35154707](https://pubmed.ncbi.nlm.nih.gov/35154707/); PMCID: [PMC8822602](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8822602/).

***Peer-Reviewed Reviews***

1. Doukas SG, **Vageli DP,** Nikolouzakis TK, Falzone L, Docea AO, Lazopoulos G, Kalbakis K, Tsatsakis A. Role of DNA mismatch repair genes in lung and head and neck cancer (Review). World Acad Sci J, 2019;1:184-191. DOI: [10.3892/wasj.2019.21](https://www.spandidos-publications.com/10.3892/wasj.2019.21/abstract)
2. Musat G, Evsei A, Calina D, Docea AO, Doukas SG, **Vageli DP**, Nepka C, Spandidos DA, Mitroi M. Rare amyloidoma of the tongue base: A case report and review of the literature. Mol Clin Oncol. 2020 Mar;12(3):258-262. DOI: [10.3892/mco.2020.1972](https://doi.org/10.3892/mco.2020.1972). Epub 2020 Jan 9. PMID: [32064103](https://pubmed.ncbi.nlm.nih.gov/32064103/); PMCID: [PMC7016517](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7016517/).
3. Tsatsakis A, Calina D, Falzone L, Petrakis D, Mitrut R, Siokas V, Pennisi M, Lanza G, Libra M, Doukas SG, Doukas PG, Kavali L, Bukhari A, Gadiparthi C, **Vageli DP**, Kofteridis DP, Spandidos DA, Paoliello MMB, Aschner M, Docea AO. SARS-CoV-2 pathophysiology and its clinical implications: An integrative overview of the pharmacotherapeutic management of COVID-19. Food Chem Toxicol. 2020 Dec;146:111769. DOI: [10.1016/j.fct.2020.111769](https://doi.org/10.1016/j.fct.2020.111769). Epub 2020 Sep 30. PMID: [32979398](https://pubmed.ncbi.nlm.nih.gov/32979398/); PMCID: [PMC7833750](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7833750/).
4. Doukas SG, Martinez B, Rosenthal ME, **Vageli DP**. Controlled ovarian stimulation therapy as a potential risk for the development and progression of renal cell carcinomas: A case report and literature review. Mol Clin Oncol. 2021 Jul;15(1):140. DOI: [10.3892/mco.2021.2302](https://doi.org/10.3892/mco.2021.2302). Epub 2021 May 23. PMID: [34094538](https://pubmed.ncbi.nlm.nih.gov/34094538/); PMCID: [PMC8165689](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8165689/).
5. **Vageli DP,** Doukas SG, Doukas PG, Judson BL. Bile reflux and hypopharyngeal cancer (Review). Oncol Rep. 2021 Nov;46(5):244. DOI: [10.3892/or.2021.8195](https://doi.org/10.3892/or.2021.8195). Epub 2021 Sep 24. PMID: [34558652](https://pubmed.ncbi.nlm.nih.gov/34558652/); PMCID: [PMC8485019](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8485019/).
6. Ioannou M, Zacharouli K, Doukas SG, Diamantidis MD, Tsangari V, Karakousis K, Koukoulis GK, **Vageli DP**. Hemophagocytic lymphohistiocytosis diagnosed by bone marrow trephine biopsy in living post-COVID-19 patients: case report and mini-review. J Mol Histol. 2022 Aug;53(4):753-762. DOI: [10.1007/s10735-022-10088-4](https://doi.org/10.1007/s10735-022-10088-4). Epub 2022 Jun 14. PMID: [35699822](https://pubmed.ncbi.nlm.nih.gov/35699822/); PMCID: [PMC9192937](http://www.ncbi.nlm.nih.gov/pmc/articles/pmc9192937/).
7. Doukas SG, Doukas PG, **Vageli DP**, Broder A. Gastric cancer after Bariatric Bypass Surgery. Do they relate? (A Systematic Review). Obes Surg. 2023 Jun;33(6):1876-1888. DOI: [10.1007/s11695-023-06567-6](https://doi.org/10.1007/s11695-023-06567-6). Epub 2023 Apr 11. PMID: [37041375](https://pubmed.ncbi.nlm.nih.gov/37041375/).
8. **Vageli DP,** Doukas PG, Batrakouli O, Tsangari V, Zacharouli K, Pouliou E, Tzika S, Ioannou M. Head and neck follicular lymphoma with marginal zone differentiation and BCL2 translocation t(14;18) in both nodular and extranodular sites: a case report with mini-review. Oral Surg Oral Med Oral Pathol Oral Radiol. 2023 Oct;136(4):e139-e148. DOI: [10.1016/j.oooo.2023.05.0005](https://www.oooojournal.net/article/S2212-4403(23)00452-2/fulltext). Epub 2023 May 14. PMID: [37516620](https://pubmed.ncbi.nlm.nih.gov/37516620/).
9. Doukas SG, Doukas PG, **Vageli DP**, Broder A. Reply to Letter to the Editor regarding "Gastric cancer after Bariatric Bypass Surgery. Do they relate? (A Systematic Review)". Obes Surg. 2023 Sep 23. DOI: [10.1007/s11695-023-06816-8](https://doi.org/10.1007/s11695-023-06816-8). Epub ahead of print. PMID: [37740099](https://pubmed.ncbi.nlm.nih.gov/37740099/).
10. **Vageli DP**, et al. Hypoxia-inducible factor 1alpha/vascular endothelial growth factor axis in Glioblastoma Multiforme: going beyond pathologic implications. Oncology Res. 2024: 32(8):1239-1256 <https://doi.org/10.32604/or.2024.052130>
11. **Vageli DP,** Doukas PG, Paraskeva AN, Zacharouli K, Judson BL, Ioannou M. Laryngeal rare benign non-epithelial tumors and sarcomas emphasizing on chondrosarcomas: A literature review and a case presentation. Pathol Res Pract. 2024 Sep;261:155512. doi: [10.1016/j.prp.2024.155512](https://doi.org/10.1016/j.prp.2024.155512). Epub 2024 Jul 30. PMID: [39116572](https://pubmed.ncbi.nlm.nih.gov/39116572/).
12. **Vageli DP**, et al. The Role of HIF-1α/VEGF as Biomarkers in the Prognosis and Evaluation of Treatment Efficacy of Atherosclerosis: A Review of the Literature. Frontiers in Bioscience - Landmark. 2025 Jan 8;30(1):27004. doi: [10.31083/FBL27004](https://doi.org/10.31083/fbl27004). PMID: [39862086](https://pubmed.ncbi.nlm.nih.gov/39862086/).

***Peer-Reviewed Educational Materials***

1. Book1: **Vageli D**., Basic Histopathology, 1st ed. Athens, Greece: Beta Medical Publishers Ltd, ISBN: 978-960-452-069-5; 2009. 111p. <https://betamedarts.gr/vivlia/iatrika/anatomikh-kyttarologia-istologia-pathologikh-anatomikh/genikh-istopathologia/>
2. Book2: **Vageli D**., Specific Histopathology. 1st ed. Athens, Greece: Beta Medical Publishers Ltd., ISBN: 978-960-452-092-3; 2010. 324p. <https://betamedarts.gr/vivlia/iatrika/anatomikh-kyttarologia-istologia-pathologikh-anatomikh/eidikh-istopathologia/>