Chris Dvorak

504-988-9836 cdvorak@tulane.edu

EDUCATION

Undergraduate:

May 1999 B.A., Molecular & Cell Biology, Northwestern University, Evanston IL

Graduate:

March 2001 M.S., Genetic Counseling, Northwestern University, Chicago IL

CERTIFICATION

American Board of Genetic Counseling, Effective November 2002

EMPLOYMENT

July 2005-present	Instructor, Department of Pediatrics Tulane University School of Medicine, New Orleans LA
Feb. 2002-Dec. 2021	Genetic Counselor Hayward Genetics Center, 1430 Tulane Avenue, New Orleans LA

Current duties include:

(1) instructing graduate and medical students in clinical genetics
(2) mentoring at the medical and pre-professional level
(3) collaborating in the administration of all aspects of the Master's Program in Medical Genetics and Genomics as Assistant Director

SOCIETIES AND POSITIONS

2006-2016 Louisiana State Representative, National Society of Genetic Counselors
2018-2021 Louisiana Genetic Counselor Advisory Committee Member

TEACHING RESPONSIBILITIES

Graduate courses taught:

2005-present Course Director and Developer of Curriculum, Clinical Aspects of Human Genetics I

2005-2017, 2022- Course Director and Developer of Curriculum, Clinical Aspects of Human Genetics II

2022- Course Director / Lecturer (2006-present), Advanced Topics in Genetics and Genomics

2022- Course Director, Grand Rounds in Human Genetics

2005-present Lecturer, Introduction to Clinical Genetics

Medical courses taught:

2004-present Lecturer, T1 Human Genetics "block", Tulane School of Medicine (Two lectures per year)
2006-present Lecturer, T2 Pathology block, Tulane School of Medicine (Two lectures per year)

Student Evaluations: Since 2004, consistently received high ratings in teaching quality by both medical students and graduate students.

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MENTORING

- Assistant Director / Thesis advisor (Direct mentorship of Master's students in Medical Genetics and Genomics
- Direct mentorship of undergraduates
- Direct mentorship of genetic counseling students

INVITED PRESENTATIONS

Tulane University Grand Rounds:

2011 "Carrier Screening for Prenatal and Preconception Patients", Department of Obstetrics and Gynecology Grand Rounds

2017 "Cancer Predisposition and Prophylactic Surgery", Department of Surgery Grand Rounds

Other Institutions:

2004-2020 "Genetic counseling of auditory disorders", Audiology Department, School of Allied Health Professions, LSU Health Sciences Center, New Orleans, LA

2004-2018 "Genetics of Chromosomal Disorders", Cytogenetics course, Genetics Department, LSU Health Sciences Center, New Orleans, LA

2004-2017 "Genetic Counseling", Population Genetics course, Genetics Department, LSU Health Sciences Center, New Orleans, LA

2006 "Genetic Counseling", Nichols State University, Thibodaux, LA

2006-2017 "Genetic Counseling", Louise S. McGehee School, New Orleans, LA

2009 "Genetic Counseling" (career talk), Southeastern LA University, Hammond, LA

2010-2013 "Cancer Genetics" and "Direct to Consumer Testing", Gates of Prayer Synagogue, Metairie, LA

2011 "Carrier screening", Jewish Genetics Disease Consortium, Central Conference of American Rabbis, New Orleans, LA

2015 "Genetic Counseling" (career talk), Xavier University BUILD Career Seminar, New Orleans, LA

2017-2019 "Genetic Counseling" (career talk), Tulane University Undergraduate Course, New Orleans, LA

2018 "Genetics Workshop Roundtable", American Academy of Family Physicians

JOURNAL ARTICLE REVIEWER

2019 *American Journal of Medical Genetics*

2019 *International Journal of Audiology*

RESEARCH PROJECTS

2002-2004 Study coordinator, Replagal study, Transkaryotic therapies, Inc. (Now Shire)

2005-2021 Study coordinator, Lysosomal Storage Disease Registry, Sanofi-Genzyme, Inc.

2009-2013 Study coordinator, MPS VI Clinical Surveillance Program, Biomarin, Inc.

2012-2014 Study coordinator, Morquio syndrome Expanded Access Program, Biomarin, Inc.

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PEER REVIEWED PUBLICATIONS

1. Maginot R, Vanchit J, **Dvorak CT**, Shin D. Manifestations of genetic disorders in periodontal care. *Decisions in Dentistry:* 6(5): 25-28, 2020.
2. Lamba AS, Parekh P, **Dvorak CT**, Karlitz JJ. Pedigree analysis supports a genotypic-phenotypic correlation between an AXIN2 variant of unknown significance and polyposis/colorectal cancer. *World J Med Genet:* 8(1): 1-4, 2018.
3. Gadomski TE, Bolton M, Alfadhel M, **Dvorak CT**, Ogunsakin O, Nelson SL, Morava E. ALG13-CDG in a male with seizures, normal cognitive development, and normal transferrin isoelectric focusing. *Am J Med Genet* Part A. 2017; 9999:1–4.
4. van Asbeck E, Ramalingam A, **Dvorak CT**, Chen TJ, Morava E., Duplication at Xq28 involving IKBKG is associated with progressive macrocephaly, recurrent infections, ectodermal dysplasia, benign tumors, and neuropathy. *Clin Dysmorphol*. Jul;23(3):77-82, 2014.
5. Techakittiroj C., Andersson HC., Jackson K., **Dvorak CT**., & Li M. A female infant with hypotonia, developmental delay, transitional hearing loss and 22q13.1 deletion. *World J Pediatr.* 2:245, 2006.

PRESENTATIONS AND POSTERS

1. **Dvorak CT**, Walano N, Morava E. Atypical phenotypic features in a molecularly ascertained Cohen syndrome patient. American College of Medical Genetics Meeting, April 2018 (Poster)
2. Mao L, Janssen A, Li Y, **Dvorak CT**, Andersson HC, Chen T. Partial uniparental disomy results in homozygous 2p21 deletion in a male newborn with hypotonia-cystinuria syndrome. American Society of Human Genetics Meeting, October 2016 (Poster)
3. Langston J, **Dvorak CT,** Hoffman J, Andersson HC. Risk of BRCA mutation in LA patients without access to genetic testing. American College of Medical Genetics Meeting, March 2015 (Poster)
4. Ramalingam A, Phelan K, **Dvorak CT,** Morava E, Chen TJ. A 2.1 Mb Deletion at 13q12.11 is a New Recurrent Microdeletion Syndrome. American College of Medical Genetics, March 2013 (Poster)
5. **Dvorak CT,** Hoffman J, Narumanchi T, Andersson HC. The predictive value of BRCAPRO risk estimates in patients at the Hayward Genetics Center. Southeastern Regional Genetics Group Meeting, July 2010 (Poster)
6. Dutta M, Cunningham A, **Dvorak CT**, Hoffman J, Smith J, Andersson HC, Yang SG, Singh D, Narumanchi TC. Proximal Urea Cycle Disorder and Severe Pulmonary Arterial Hypertension. Am. Coll. Med. Genetic annual meeting, March, 2010 (Poster)
7. **Dvorak CT,** Hoffman J, Cunningham A, Andersson HC, Narumanchi T. Patient with a novel homozygous VLCAD mutation. American College of Medical Genetics, March 2010 (Poster)
8. Narumanchi TC, Hu X, **Dvorak CT**, Mercer D, Andersson HC, MM Li. WILLIAMS Syndrome "PLUS": A 4 Mb Deletion Identified In A Patient With Williams Syndrome, Congenital Anomalies and Severe Developmental Delay. SERGG annual meeting, July, 2007, New Orleans (Poster)
9. Li M, Hu X, Narumanchi TC, **Dvorak CT**, Mercer D, Pridjian G, Andersson HC. Use of High Density Oligo Array CGH to Characterize Chromosomal Aberrations Associated with Unexplained Clinical Presentations. SERGG annual meeting, July, 2007, New Orleans (Platform)
10. Narumanchi TC, **Dvorak CT**, Cunningham A, Weissbecker K, Jenkins M, Smith J, Werling-Baye D, Myers C, Thoene J, Andersson H. The Effect of Gestational Age, Transfusions, and Dietary Supplementation with Medium Chain Triglycerides on MS/MS Profiles of Presumptive Positive Patients for Medium Chain Acyl CoA Dehydrogenase Deficiency. SERGG annual meeting, July, 2007, New Orleans (Platform)
11. **Dvorak CT,** Lien Y, Pridjian G. A novel FLCN gene mutation in a patient with bilateral renal tumors and no other clinical features of Birt Hogg Dube' syndrome. American Society of Human Genetics Meeting, October 2006 (Poster)

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12. Cunningham A, Techakittiroj C, Sharma R, **Dvorak CT**, Hooper P, Baye D, Andersson HC. Classical and Duarte Galactosemia: Newborn screening, biochemical phenotype, and clinical outcome. American Society of Human Genetics Meeting, October 2006 (Poster)
13. Mercer D, **Dvorak CT,** Wesley DT, Techakittiroj C, Andersson HC, Dise T, Li M. Molecular cytogenetic study of a 45,X male with cryptic Y/15 translocation and deletion of IGF1R gene. American Society of Human Genetics Meeting, October 2005 (Poster)
14. Narumanchi TC, Andersson HA, Cunningham A, **Dvorak CT**, Thoene J. The effect of gestational age, transfusion with Packed Red Blood Cells (PRBCs), and Medium Chain Triglyceride (MCT) oil on Newborn screen MS/MS dicarboxylic acid profiles in Louisiana. Southeastern Regional Genetics Group Meeting, September 2005 (Poster)
15. **Dvorak CT**, Techakittiroj C, Andersson HC, Pridjian G, Li MM. Counseling the families of two patients with atypical phenotypes following the prenatal diagnosis of Turner syndrome. American Society of Human Genetics Meeting, November 2004 (Poster)
16. **Dvorak CT**, Jackson KE, Andersson HC, Thoene JG. A comparison of teaching methods in conveying genetic information. American Society of Human Genetics Meeting, Nov. 2003 (Poster)
17. Li M, Kim KC, Jackson KE, **Dvorak CT,** Andersson HC. Prader-Willi syndrome caused by complex chromosomal rearrangements and uniparental disomy. American College of Medical Genetics Meeting, March 2003 (Poster)
18. **Dvorak CT,** Dobyns WB, Mills PL. Empiric recurrence risk estimates for polymicrogyria. *Master's Thesis Presentation*, March 2001.

SERVICE ACTIVITIES

Community Service:

2004-2010 Judge, Summer Internship Poster Symposium, Tulane School of Medicine and LSU Health Sciences Center, New Orleans, LA

2010-2020 Judge, Summer Internship Poster Symposium, LSU Health Sciences Center, New Orleans, LA

2011 Preconception carrier awareness, Hillel Center, Tulane University, New Orleans, LA

2017 PKU Day Camp for families of children with PKU, Audubon Zoo, New Orleans, LA

University/Institutional Service:

2005-present Hayward Genetics Center Curriculum Committee

2006-2021 Tulane Cancer Center Committee