



Vieira Lab Newsletter

Lab News

Drs. Ariadne Letra and Renato Menezes will assume new positions at the University of Texas Dental School at Houston August 1. They arrived at Pittsburgh in April 2006 to work in the Vieira Lab and their trajectory while here can be defined as very successful. They co-authored with Dr. Vieira 18 papers in 5 years and each received a K99/R00 career pathway award (the Vieira Lab is the only one in the country to have had two K99 trainees at the same time). Their departure, although spontaneous, is a landmark for the Vieira Lab since they were the first two post-doc in the lab and have successfully secured positions elsewhere. Below is a list of the paper in which they are co-authors with Dr. Vieira and other members of the lab.

[Women are more susceptible to caries but individuals born with clefts are not.](#) Jindal A, McMeans M, Narayanan S, Rose EK, Jain S, Marazita ML, **Menezes R, Letra A**, Carvalho FM, Brandon CA, Resick JM, Mereb JC, Poletta FA, Lopez-Camelo JS, Castilla EE, Orioli IM, **Vieira AR.** *Int J Dent.* 2011;2011:454532.

[Detection of Streptococcus mutans Genomic DNA in Human DNA Samples Extracted from Saliva and Blood.](#) **Vieira AR,** Deeley KB, Callahan NF, Noel JB, Anjomshoaa I, Carricato WM, Schulhof LP, Desensi RS, Gandhi P, Resick JM, Brandon CA, Rozhon C, Patir A, Yildirim M, Poletta FA, Mereb JC, **Letra A, Menezes R,** Wendell S, Lopez-Camelo JS, Castilla EE, Orioli IM, Seymen F, Weyant RJ, Crout R, McNeil DW, Modesto A, Marazita ML. *ISRN Dent.* 2011;2011. pii: 543561.

[Insights from studies with oral cleft genes suggest associations between WNT-pathway genes and risk of oral cancer.](#) Andrade Filho PA, **Letra A,** Cramer A, Prasad JL, Garlet GP, **Vieira AR,** Ferris RL, **Menezes R.** *J Dent Res.* 2011 Jun;90(6):740-6.

[MMP1 and MMP20 contribute to tooth agenesis in humans.](#) Kuchler EC, **Menezes R,** Callahan N, Costa MC, Modesto A, Meira R, Patir A, Seymen F, Paiva KB, Nunes FD, Granjeiro JM, **Vieira AR.** *Arch Oral Biol.* 2011 May;56(5):506-11.

[A genome-wide association study of cleft lip with and without cleft palate identifies risk variants near MAFB and ABCA4.](#) Beaty TH, Murray JC, Marazita ML, Munger RG, Ruczinski I, Hetmanski JB, Liang KY, Wu T, Murray T, Fallin MD, Redett RA, Raymond G, Schwender H, Jin SC, Cooper ME, Dunnwald M, Mansilla MA, Leslie E, Bullard S, Lidral AC, Moreno LM, **Menezes R, Vieira AR,** Petrin A, Wilcox AJ, Lie RT, Jabs EW, Wu-Chou YH, Chen PK, Wang H, Ye X, Huang S, Yeow V, Chong SS, Jee SH, Shi B, Christensen K, Melbye M, Doheny KF, Pugh EW, Ling H, Castilla EE, Czeizel AE, Ma L, Field LL, Brody L, Pangilinan F, Mills JL, Molloy AM, Kirke PN, Scott JM, Arcos-Burgos M, Scott AF. *Nat Genet.* 2010 Jun;42(6):525-9.

[Studies with Wnt genes and nonsyndromic cleft lip and palate.](#) **Menezes R, Letra A,** Kim AH, Kuchler EC, Day A, Tannure PN, Gomes da Motta L, Paiva KB, Granjeiro JM, **Vieira AR.** *Birth Defects Res A Clin Mol Teratol.* 2010 Nov;88(11):995-1000.

[FAM5C contributes to aggressive periodontitis.](#) Carvalho FM, Tinoco EM, Deeley K, Duarte PM, Faveri M, Marques MR, Mendonça AC, Wang X, Cuenco K, **Menezes R,** Garlet GP, **Vieira AR.** *PLoS One.* 2010 Apr 7;5(4):e1005

[CRISPLD2 variants including a c471t silent mutation may contribute to nonsyndromic cleft lip with or without cleft palate.](#) **Letra A, Menezes R,** cooper m, Fonseca R, Tropp S, Govil M, Granjeiro J, Imoehl S, Mansilla M, Murray J, Castilla E, Orioli I, Czeizel AE, Ma L, Chiquet B, Hecht J, **Vieira AR,** Marazita M. *Cleft Palate Craniofac J.* 2010 Jul 1. [Epub ahead of print]

[Follow-up association studies of chromosome region 9q and nonsyndromic cleft lip/palate.](#) **Letra A, Menezes R,** Govil M, Fonseca RF, McHenry T, Granjeiro JM, Castilla EE, Orioli IM, Marazita ML, **Vieira AR.** *Am J Med Genet A.* 2010 Jul;152A(7):1701-10.

[Novel cleft susceptibility genes in chromosome 6q.](#) **Letra A,** Menezes R, Fonseca RF, Govil M, McHenry T, Murphy MJ, Hennebold JD, Granjeiro JM, Castilla EE, Orioli IM, Martin R, Marazita ML, Bjork BC, **Vieira AR.** *J Dent Res.* 2010 Sep;89(9):927-32. Epub 2010 May 28.

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Lab Meeting Schedule 403 Salk Hall

- **August 9, 2011**
12pm-1pm

Upcoming Events

White Coat Ceremony

August 29, 2011

Scaife Hall, Auditorium 5 & 6

Recent Publications

Detection of Streptococcus mutans Genomic DNA in Human DNA Samples Extracted from Saliva and Blood. **Vieira AR,** Deeley KB, Callahan NF, Noel JB, Anjomshoaa I, Carricato WM, Schulhof LP, Desensi RS, Gandhi P, Resick JM, Brandon CA, Rozhon C, Patir A, Yildirim M, Poletta FA, Mereb JC, Letra A, Menezes R, Wendell S, Lopez-Camelo JS, Castilla EE, Orioli IM, Seymen F, Weyant RJ, Crout R, McNeil DW, Modesto A, Marazita ML. *ISRN Dent* 2011; 2011. pii: 543561.

Dental Anomalies in Children Born with Clefts: A Case Control Study. Pedro RL, Faria MD, Costa MC, Vieira AR. *Cleft Palate Craniofac J.* 2011 Jul 8.



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[AXIS inhibition protein 2, orofacial clefts and a family history of cancer.](#) Menezes R, Marazita ML, Goldstein McHenry T, Cooper ME, Bardi K, Brandon C, **Letra A**, Martin RA, **Vieira AR**. J Am Dent Assoc. 2009 Jan;140(1):80-4.

[The PDGF-C regulatory region SNP rs28999109 decreases promoter transcriptional activity and is associated with CL/P.](#) Choi SJ, Marazita ML, Hart PS, Sulima PP, Field LL, McHenry TG, Govil M, Cooper ME, **Letra A**, Menezes R, Narayanan S, Mansilla MA, Granjeiro JM, Vieira AR, Lidral AC, Murray JC, Hart TC. Eur J Hum Genet. 2009 Jun;17(6):774-84. Epub 2008 Dec 17.

[AXIN2 and CDH1 polymorphisms, tooth agenesis, and oral clefts.](#) **Letra A**, Menezes R, Granjeiro JM, **Vieira AR**. Birth Defects Res A Clin Mol Teratol. 2009 Feb;85(2):169-73.

[Dental anomalies as part of the cleft spectrum.](#) Menezes R, **Vieira AR**. Cleft Palate Craniofac J. 2008 Jul;45(4):414-9. Epub 2008 Feb 28.

[Studies of genes in the FGF signaling pathway and oral clefts with or without dental anomalies.](#) Menezes R, **Letra A**, Ruff J, Granjeiro JM, **Vieira AR**. Am J Med Genet A. 2008 Jun 15;146A(12):1614-7.

[Possible association of amelogenin to high caries experience in a Guatemalan-Mayan population.](#) Deeley K, **Letra A**, Rose EK, Brandon CA, Resick JM, Marazita ML, **Vieira AR**. Caries Res. 2008;42(1):8-13. Epub 2007 Nov 27.

[Evidence of linkage disequilibrium between polymorphisms at the IRF6 locus and isolate tooth agenesis, in a Turkish population.](#) **Vieira AR**, Seymen F, Patir A, Menezes R. Arch Oral Biol. 2008 Aug;53(8):780-4. Epub 2008 May 1.

[Defining subphenotypes for oral clefts based on dental development.](#) **Letra A**, Menezes R, Granjeiro JM, **Vieira AR**. J Dent Res. 2007 Oct;86(10):986-91.

Dr. Ariadne Letra

Dr. Renato Silva

Recruitment Summary

Subjects Recruited	2773
Subjects Declined	389
Compliance Rate	87%

DRDR Update

Recruitment Location

Module 1	620	Emergency Care	68	UDHS	8
Module 2	930	Oral Surgery	40	Orthodontics	147
Module 3	319	Pediatric Dentistry	179	Other	70
Module 4	157	Implant Center	15	AEGD	22
Dental Hygiene	166	Prosthodontics	15	Perio	7
Endo	10				