

List of publications: Esteban J. Parra graduate students.

Melissa Edwards (M.Sc. 2010, Ph.D. 2016)

Edwards M, Cha D, Krithika S, Johnson M, Parra EJ. 2016. Analysis of iris surface features in populations of diverse ancestry. *R. Soc. Open Sci.* 3:150470.

Edwards M, Cha D, Krithika S, Johnson M, Cook G, Parra EJ. 2016. Iris pigmentation as a quantitative trait: variation in populations of European, East Asian and South Asian ancestry and association with candidate gene polymorphisms. *Pigment Cell Melanoma Res* 29:141-162.

Valenta K, **Edwards M**, Rafaliarison R, Johnson S, Holmes S, Brown K, Dominy N, Lehman S, Parra E, Melin A. 2016. Visual ecology of Eulemur suggests a cathemeral origin for the primate cone opsin polymorphism. *Funct. Ecol.* (In press).

Norton HL, **Edwards M**, Krithika S, Johnson M, Werren EA, Parra EJ. 2016. Quantitative assessment of skin, hair, and iris variation in a diverse sample of individuals and associated genetic variation. *Am. J. Phys. Anthropol.*(in press).

Eaton K, **Edwards M**, Krithika S, Cook G, Norton H, Parra EJ. 2015. Association study confirms the role of two *OCA2* polymorphisms in normal skin pigmentation variation in East Asian populations. *Am. J. Hum. Biol.* 27:520-525.

Cook GR, Krithika S, **Edwards M**, Kavanagh P, Parra EJ. 2014. Quantitative measures of odor detection thresholds using an air dilution olfactometer, and association with genetic variants in a sample of diverse ancestry. *PeerJ* 2:e643.

Hider JL, Gittelman RM, Shah T, **Edwards M**, Rosenbloom A, Akey JM, Parra EJ. 2013. Exploring signatures of positive selection in pigmentation candidate genes in populations of East Asian ancestry. *BMC Evol Biol* 13:150

Edwards M, Gozdzik A, Ross K, Miles J, Parra EJ. 2012. Quantitative measures of iris color using high resolution photographs. *Am. J. Phys. Anthropol.* 147:141-149

Ross KA, Bigham AW, **Edwards M**, Gozdzik A, Suarez-Kurtz G, Parra EJ. 2010. Worldwide allele frequency distribution of four polymorphisms associated with warfarin dose requirements. *J. Hum. Genet.* 55:582-589.

Cruz M, Valladares-Salgado A, Garcia-Mena J, Ross K, **Edwards M**, Angeles-Martinez J, Ortega-Camarillo C, Escobedo de la Peña J, Burguete-Garcia AI, Wachter-Rodarte N, Ambriz R, Rivera R, D'artote AL, Peralta J, Parra EJ, Kumate J. 2010. Candidate gene association study conditioning on individual ancestry in type 2 diabetes and metabolic syndrome patients from Mexico City. *Diabetes Metab. Res. Rev.* 26: 261-270.

Edwards M, Bigham A, Tan J, Li S, Gozdzik A, Ross K, Jin L, Parra EJ. 2010. Association of the OCA2 polymorphism His615Arg with melanin content in East Asian populations: Further evidence of convergent evolution of skin pigmentation. *PLoS Genetics* 6:e1000867.

Agnes Gozdzik, (Ph.D. 2010)

Sham L, Yeh EA, Magalhaes S, Parra E, **Gozdzik A**, Banwell B, Hanwell HE. 2015. Evaluation of Fall Sun Exposure Score in Predicting Vitamin D Status in Young Canadian Adults, and the Influence of Ancestry. *Journal of Photochemistry and Photobiology B: Biology* 145:25-29.

Ginter JK, Krithika S, **Gozdzik A**, Hanwell H, Whiting S, Parra EJ. 2013. Vitamin D status of older adults of diverse ancestry living in the Greater Toronto Area. *BMC Geriatr* 13:66.

Edwards M, **Gozdzik A**, Ross K, Miles J, Parra EJ. 2012. Quantitative measures of iris color using high resolution photographs. *Am. J. Phys. Anthropol.* 147:141-149.

Gozdzik A, Zhu J, Wong B Y-L, Fu L, Cole DEC, Parra EJ. 2011. Association of vitamin D binding protein (VDBP) polymorphisms and serum 25(OH)D concentrations in a sample of young Canadian adults of different ancestry. *J. Steroid Biochem. Mol. Biol.* 127:405-412.

Gozdzik A, Barta JL, Weir A, Cole DEC, Vieth R, Whiting SJ, Parra EJ. 2010. Serum 25-hydroxyvitamin D concentrations fluctuate seasonally in young adults of diverse ancestry living in Toronto. *J. Nutr.* 140:2213-2220.

Ross KA, Bigham AW, Edwards M, **Gozdzik A**, Suarez-Kurtz G, Parra EJ. 2010. Worldwide allele frequency distribution of four polymorphisms associated with warfarin dose requirements. *J. Hum. Genet.* 55:582-589.

Edwards M, Bigham A, Tan J, Li S, **Gozdzik A**, Ross K, Jin L, Parra EJ. 2010. Association of the OCA2 polymorphism His615Arg with melanin content in East Asian populations: Further evidence of convergent evolution of skin pigmentation. *PLoS Genetics* 6:e1000867.

Wu H, **Gozdzik A**, Barta JL, Wagner D, Cole DE, Vieth R, Parra EJ, Whiting SJ. 2009. The development and evaluation of a food frequency questionnaire used in assessing vitamin D intake in a sample of healthy young Canadian adults of diverse ancestry. *Nutr. Res.* 29:255-261.

Gozdzik A, Barta JL, Wu H, Wagner D, Cole DE, Vieth R, Whiting S, **Parra EJ**. 2008. Low wintertime vitamin D levels in a sample of healthy young adults of diverse ancestry living in the Toronto area: Associations with vitamin D intake and skin pigmentation. *BMC Public Health* 8: 336.

Gillian Cook (M.Sc. 2015)

Eaton K, Edwards M, Krithika S, **Cook G**, Norton H, Parra EJ. 2015. Association study confirms the role of two *OCA2* polymorphisms in normal skin pigmentation variation in East Asian populations. *Am. J. Hum. Biol.* 27:520-525.

Cook GR, Krithika S, Edwards M, Kavanagh P, Parra EJ. 2014. Quantitative measures of odor detection thresholds using an air dilution olfactometer, and association with genetic variants in a sample of diverse ancestry. *PeerJ* 2:e643.

Edwards M, Cha D, Krithika S, Johnson M, **Cook G**, Parra EJ. 2016. Iris pigmentation as a quantitative trait: variation in populations of European, East Asian and South Asian ancestry and association with candidate gene polymorphisms. *Pigment Cell Melanoma Res* 29:141-162.

Jessica Hider (M.Sc. 2013)

Hider JL, Gittelman RM, Shah T, Edwards M, Rosenbloom A, Akey JM, Parra EJ. 2013. Exploring signatures of positive selection in pigmentation candidate genes in populations of East Asian ancestry. *BMC Evol Biol* 13:150

Kendra Ross (M.Sc. 2010)

Edwards M, Gozdzik A, **Ross K**, Miles J, Parra EJ. 2012. Quantitative measures of iris color using high resolution photographs. *Am. J. Phys. Anthropol.* 147:141-149

Ross KA, Bigham AW, Edwards M, Gozdzik A, Suarez-Kurtz G, Parra EJ. 2010. Worldwide allele frequency distribution of four polymorphisms associated with warfarin dose requirements. *J. Hum. Genet.* 55:582-589.

Cruz M, Valladares-Salgado A, Garcia-Mena J, **Ross K**, Edwards M, Angeles-Martinez J, Ortega-Camarillo C, Escobedo de la Peña J, Burguete-Garcia AI, Wachter-Rodarte N, Ambriz R, Rivera R, D'artote AL, Peralta J, Parra EJ, Kumate J. 2010. Candidate gene association study conditioning on individual ancestry in type 2 diabetes and metabolic syndrome patients from Mexico City. *Diabetes Metab. Res. Rev.* 26: 261-270.

Edwards M, Bigham A, Tan J, Li S, Gozdzik A, **Ross K**, Jin L, Parra EJ. 2010. Association of the *OCA2* polymorphism His615Arg with melanin content in East Asian populations: Further evidence of convergent evolution of skin pigmentation. *PLoS Genetics* 6:e1000867.

Emily Cameron M.Sc. (2009)

Beleza S, Dos Santos AM, McEvoy B, Alves I, Martinho C, **Cameron E**, Shriver MD, Parra EJ,

Rocha J. 2013. The timing of pigmentation lightening in Europeans. *Mol. Biol. Evol.* 30:24-35.

Cameron EA, Martinez-Marignac VL, Chan A, Valladares A, Simmonds LV, Wachter N, Kumate J, McKeigue P, Shriver MD, Kittles R, Cruz M, Parra EJ. 2007. MGEA5-14 polymorphism and type 2 diabetes in Mexico City. *Am. J. Hum. Biol.* 19:593-596.

Parra EJ, **Cameron E**, Simmonds L, Valladares A, McKeigue P, Shriver M, Wachter N, Kumate J, Kittles R, Cruz M. 2007. Association of TCF7L2 polymorphisms with type 2 diabetes in Mexico City. *Clin. Genet.* 71:359-366.

Martinez-Marignac VL, Valladares A, **Cameron E**, Chan A, Perera A, Globus-Goldberg R, Wachter N, Kumate J, McKeigue P, O'Donnell D, Shriver MD, Cruz M, Parra EJ. 2007. Admixture in Mexico City: implications for admixture mapping of type 2 diabetes genetic risk factors. *Hum. Genet.* 120:807-819.