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BIOGRAPHICAL SKETCH

LECTURES

1. Lecture at Hospital Universitario Cental de Asturias entitled “Basic molecular techniques in the genetic diagnosis”; November 2003.
2. Lecture at North Florida/South Georgia Restless Legs Syndrome Educational Support Group in Jacksonville, Florida entitled “RLS overview of causes and treatment: therapy with cabergoline”; Invited speaker; May 21, 2005.
3. Lectures at V Congreso LatinoAmericano de movimientos anormales (V convention of Latinoamerican society of movement disorders, SOLAMA) Lima, Peru, entitled “Genetics in Parkinson’s disease” and “alphasynucleopathies”; April, 2006
4. Lecture at III Reunion Asturiana sobre enfermedad de Parkinson in Oviedo, Spain entitled “Genetic of Parkinson’s Disease in Asturias”; September, 2006
5. Lecture at the III Jornadas Internacionales de Enfermedad de Parkinson y Movimientos Anormales: "Actualización en su manejo interdisciplinario." Mendoza, Argentina, entitled “Update on the advances in Genetic’s in Parkinson’s Disease”; November, 2006
6. Lecture at Universidad de Chile (invited by Dr. SeguraAguilar) Santiago de Chile, Chile entitled “Advances in Genetic’s of Parkinson’s Disease”; November, 2006
7. Lecture at the Neurogenetics Division Day Retreat, University of Washington, Seattle entitled “*LRRK2*, Just another gene in PD?”; March, 2007
8. Lectures at the I Curso Internacional de Genetica em Disturbios do Movimiento, Associação Médica Brasileira, Sao Paulo, Brasil, entitled “what is the importance of genetic studies in movement disorders” and “ Genetics in Parkinson’s disease”, September 2007
9. Lecture at the III Congreso Uruguayo de Neurologia, Montevideo, Uruguay, entitled “Genetics in Parkinson’s disease”, September 2007
10. Lecture at the Departamento de Neurología. Instituto de Neurociencias. Fundación Favaloro (invited by Dr. Anabel Chade) Buenos Aires, Argentina, entitled “Genetics in Parkinson’s disease”, September 2007
11. Lecture at the Facultad de Medicina, Universidad de Buenos Aires (invited by Dr. Ferderico Micheli), Buenos Aires, Argentina, entitled “how genetics can help in the study of Parkinson’s disease: will this help the patients?”, September 2007

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12. Lecture at the Annual meeting for experts in movement disorders in Latino America (SOLAMA), Colonia, Uruguay, entitled "Genetics of PD, what is new?", December 2008
13. Lectures at the 1st local meeting of the movement disorders and behavior neurology section of the Ribeirão Preto School of Medicine, Ribeirão Preto, Brazil, entitled "Importance of genetic studies", "LRRK2associated PD" and "Genetic risks for PD", December 2008
14. Lecture at the Pacific Northwest Basal Ganglia Club, entitled "*LRRK2*: An illustration of Genetic Complexity in PD", March 2009
15. Lecture at the IV Reunion Nacional sobre enfermedad de Parkinson y trastornos del movimiento " memorial Luis Menendez Guisasola" (Aviles, Spain) entitled: "Avances en el conocimiento de la genetica y la enfermedad de Parkinson", September 2009
16. Lecture at the XXI Congreso Peruano de Neurologia, Arequipa, Peru entitled: "Mutacion del gen LRRK2 y sus implicancias clinicas en la enfermedad de Parkinson", November 2009
17. Lecture at the Pacific Northwest Basal Ganglia Club, entitled "LARGEPD: what we can learn from our neighbors", March 2010
18. Lecture at the Universidad de Antioquia, Medellin, Colombia entitled: "Enfermedad de Parkinson: de la genetica a la clinica", June 2010
19. Lecture online at the Instituto Nacional de Ciencias Neurologicas, Lima, Peru, entitled: "Genetica de la enfermedad de Parkinson", June 2010 (as part of the XVI week of the clinical resident fellow)
20. Lecture at the Ribeirão Preto School of Medicine, Ribeirão Preto, Brazil, entitled: "Latin American Research Consortium on the Genetics of Parkinson's disease: present and future", June 2010
21. Lecture at the University of Washington, PERLA (Program in Education and Research in Latin America) Symposium, entitled: "LARGE-PD: A Latin American Research consortium on the GEnetics of Parkinson's disease", April 2011
22. Lecture at the Pacific Northwest Basal Ganglia Coterie, entitled: "Genetic Risk Factors for Developing Cognitive Impairment in PD", May 2011
23. Lecture at the Pacific Northwest Udall Center (PANUC) retreat, entitled: "Genetic Risk Factors for Developing Cognitive Impairment in PD", June 2011
24. Lecture at the XVII Curso Internacional de Neurociencias, entitled: "Neurogenetica del Parkinson", Sept 2011
25. Lecture at the II Curso IberoAmericano para el estudio multidisciplinar de los transtornos del movimiento: enfermedad de Parkinson y Ataxias espinocerebelosas (RIBERMOV),Viña del Mar, Chile, entitled "Experiencia del Consorcio LatinoAmericano para los estudios genéticos en la enfermedad de Parkinson (LARGE-PD): Avances en Latino America", September 2011

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26. Lecture at the XXIII Congreso Peruano de Neurologia, Lima, Peru entitled: “Avances en el conocimiento de la genética del Parkinson-aporte del LARGE PD”, October 2011
27. Lecture at the Universidad Nacional del Altiplano-Puno, Peru (as part of the conference “Genetica molecular e Investigacion Cientifica) entitled: “LARGE-PD: Un Consorcio Latino Americano para la Investigación de la Genética en la enfermedad de Parkinson”, October 2011
28. Lecture at the Instituto Nacional de Ciencias Neurologicas, Lima, Peru (as part of a PD support group meeting) entitled: “Genetica del Parkinson: resultados en Peru”, October 2011
29. Lecture at the Universidad Peruana Cayetano Heredia for the Programa Integrado con Certificacion progresiva de diplomados y Maestria en genetica humana entitled: “Introduccion a la genética aplicada en medicina. Estudios de Asociacion de genoma completo (GWAS): comienzo de la medicina personalizada”, October 2011
30. Lecture at the Movement Disorders Unit, Neurology Department, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Spain, entitled “Risk Factors for Developing Cognitive Impairment in PD”, June 2012

POSTERS

1. Mata IF, Alvarez V, Coto E, Ribacoba R, Guisasola L, Salvador C, Early onset Parkinson´s disease and the Parkin gene, Movement Disorders 2002, 17 (5) : Pag S 33 (Movement Disorders meeting, Miami, 2003)

2. Toft M, Pielsticker L, Mata IF, Stone J, Aasly J and Farrer MJ, PINK1 Mutations in earlyonset and recessive Parkinson’s Disease in Norway, Movement Disorders 2005, 20: S35S36 P121 Suppl. 10 (Movement Disorders meeting, New Orleans, 2005)

3. Toft M, Kachergus J, Mata IF, Hulihan M, Taylor JP, Lincoln S, Aasly J, Gibson M, Ross OA, Lynch T, Wiley J, Payami H, Nutt J, Maraganore DM, Czyzewski K, Styczynska M, Wszolek ZK, and Farrer MJ, A novel LRRK2 mutation is a commom cause of autosomal dominant parkinsonism in families from several European populations, Movement Disorders 2005, 20: S37S38 P127 Suppl. 10 (Movement Disorders meeting, New Orleans, 2005)

4. Mata IF, Wu RM, Lin CH, Lincoln S, Tai CH, Hope A and Farrer M, PINK1 Analysis in patients with earlyonset Parkinson’s disease (P1014.15, Neuroscience meeting, San Diego, 2004)

5. Mata IF, Kachergus JM, Taylor JP, Lincoln S, Aasly J, Lynch T, Hulihan M, Hauser RA, Wu RM, Lu CS, Lahoz C, Wszolek ZK and Farrer MJ, *LRRK2* mutation screening in 100 families with autosomal dominant Parkinson's disease (P02.038, AAN meeting, Miami, 2005)

6. Mata IF, Huerta C, Lahoz C, Menes, BB, Blazquez M, Guisasola LM, Salvador C, Ribacoba R, Martinez C, Suarez E, Farrer MJ, Alvarez V, Interaction or coincidence: mutations in *PARKIN* and *LRRK2* (ASHG, 2005)
7. Kachergus JM, Mata IF, Taylor JP, Lincoln S, Aalsy J, Lynch T, Hulihan MM, Hauser RA, Wu RM, Lahoz C, Wszolek ZK, Farrer MJ, *LRRK2* mutation screening in 100 families with autosomal dominant Parkinson's disease (ASHG, 2005)
8. Haugarvoll K, Toft M, Mata I.F, Ross O, Farrer M.J, Pathogenicity of Lrrk2 R1514Q variation in Parkinson's disease (ASHG, 2006)
9. Zabetian CP, Ujike H, Morino H, Yamamoto M, Oda M, Maruyama H, Izumi Y, Kaji R, Yearout D, Lopez AN, Mata IF, Schellenberg G, Larson EB, Kawakami H, Comprehensive analysis of the *LRRK2* gene in Japanese patients with Parkinson's disease (AAN, 2007)
10. MataIF, Schneer SH, Samii A, Roberts JW, Griffith A, Leis BC, Leverenz JB, Schellenberg GD, Sidransky E, Tsuang DW and Zabetian CP, Casecontrol analysis of Glucocerebrosidase gene mutations in Parkinson's disease and Dementia with Lewy bodies (Mov. Disorders 22:S128S129, 2007)
11. Mata IF, Hutter CM, Huerta C, Blazquez M, Ribacoba R, Guisasola LM, Salvador C, Infante J, GonzalezFernandez MC, Pancorbo MM, Lezcano E, Jankovic J, Deng H, Edwards KL, Alvarez V, Zabetian CP. *LRRK2* R1441G: evidence of a common founding event in the 9th century in northern Spain. (ASHG, 2007)
12. Mata IF, Cosentino C, Torres L, Malca V, Mazzeti P, Ortega O, Raggio V, Aljanati R, Ramos G, Avila A, Dieguez E, Zabetian CP. *LRRK2* mutations in patients with Parkinson's disease from Peru and Uruguay. (Movement Disorders, 2008)
13. Mata IF, Samii A, Factor SA, Higgins DS, Griffith A, Roberts JW, Hojoong Kim, Agarwal P, Yearout D, Hutter CM, Wan JY, Edwards KL, Kay DM, Payami H, Zabetian CP. Variation in the alphasynuclein gene, independent of REP1, modifies risk for Parkinson's disease. (AAN, 2009)
14. Mata IF, Checkoway H, Hutter CM, Samii A, Griffith A, Roberts JW, Hojoong Kim, Agarwal P , Yearout D1, Farin F, Edwards KL, Zabetian CP. Common variation in the *LRRK2* gene is a risk factor for Parkinson's disease. (AAN, 2009)
15. Mata IF, Samii A, Factor SA, Higgins DS, Griffith A, Roberts JW, Hojoong Kim, Agarwal P, Yearout D, Hutter CM, Edwards KL, Kay DM, Payami H, Zabetian CP. Finemapping MAPTH1 haplotype clade in Parkinson's disease. (ASHG, 2009)
16. Mata IF, Samii A, Factor SA, Higgins DS, Griffith A, Roberts JW, Hojoong Kim, Agarwal P, Yearout D, Hutter CM, Wan JY, Edwards KL, Kay DM, Payami H, Zabetian CP. Variation in the 3'region of the alphasynuclein gene modifies risk for Parkinson's disease. (Movement disorders, 2009)

17. Mata IF, Borges V, Buzo R, Cosentino C, de Carvalho Aguiar PM, Dieguez E, FerrazHB, Marques W, Mazzetti P, Micheli F, Raggio V, Rodrigues G, Salazar Z, Torres L, Tschopp L, Tumas V, Zabetian CP A Latin American Research Consortium on the Genetics of Parkinson's Disease: LARGEPD. (Movement disorders, 2010)
18. Mata IF, Shi M, Agarwal P, Chung KA, Edwards KL, Factor SA, Galasko DR, Ginghina C, Griffith A, Higgings DS, Kay DM, Kim H, Leverenz JB, Quinn JF, Roberts JW, Samii A, Snapinn KW, Tsuang DW, Yearout D, Zhang J, Payami H, Zabetian CP A Common *SNCA* Allele Modifies Risk for Parkinson's Disease, Independent of REP1, and is Associated with Increased Plasma αSynuclein (ASHG, 2010)
19. Mata IF, Yearout D, Alvarez V, Coto E, de Mena L, Ribacoba R, Lorenzo-Betancor O, Samaranch L, Pastor P, Cervantes S, Infante J, Garcia-Gorostiaga I, Sierra M, Combarros O, Snapinn KW, Edwards KL, Zabetian CP. Replication of MAPT and SNCA, but not PARK16-18, as Susceptibility Genes for Parkinson's Disease (Movement Disorders, 2011).
20. Mata IF, Leverenz J, Trojanowski J, Chen-Plotkin A, Ritz B, Rhodes S, Factor S, Wood-Siverio C, Quinn J, Chung K, Espay A, Revilla F , Edwards K, Montine T and Zabetian CP. GBA mutation carriers with Parkinson's disease are not at increased risk for cognitive impairment (Movement Disorders, 2012)(Choosen for the guided tour)
21. Mata IF, Leverenz J, Trojanowski J, Siderowf A, Ritz B, Rhodes S, Factor S, Wood-Siverio C, Quinn J, Chung K, Espay A, Revilla F , Edwards K, Montine T and Zabetian CP. APOE and SNCA Predict Cognitive Performance in Parkinson's disease. (Movement Disorders, 2012)

PUBLICATIONS

1. Alvarez V, Mata IF, Gonzalez P, Lahoz CH, Martinez C, Pena J, Guisasola LM and Coto E (2002) Association between the TNFalpha308 A/G polymorphism and the onsetage of Alzheimer disease. **Am J Med Genet** 114: 574-577.
2. Mata IF, Alvarez V, GarciaMoreira V, Guisasola LM, Ribacoba R, Salvador C, Blazquez M, Sarmiento RG, Lahoz CH, Menes BB and Garcia EC (2002) Singlenucleotide polymorphisms in the promoter region of the PARKIN gene and Parkinson's disease. **Neurosci Lett** 329: 149-152.
3. Mata IF, Lockhart PJ and Farrer MJ (2004) Parkin genetics: one model for Parkinson's disease. **Hum Mol Genet** 13 Spec No 1: R127133.
4. Huerta C, Alvarez V, Mata IF, Coto E, Ribacoba R, Martinez C, Blazquez M, Guisasola LM, Salvador C, Lahoz CH and Pena J (2004) Chemokines (RANTES and MCP1) and chemokinereceptors (CCR2 and CCR5) gene polymorphisms in Alzheimer's and Parkinson's disease, **Neurosci Lett** 370: 151-154.

5. Farrer M, Stone J, Mata IF, Lincoln S, Kachergus J, Hulihan M, Strain KJ and Maraganore DM (2005) LRRK2 mutations in Parkinson disease. **Neurology** 65: 738-40.

6. Aasly JO, Toft M, **FernandezMata I**[1], Kachergus J, Hulihan M, White LR and Farrer M (2005) Clinical features of LRRK2associated Parkinson's disease in central Norway. **Ann Neurol** 57: 762-765.

7. Kachergus J*, Mata IF*, Hulihan M, Taylor JP, Lincoln S, Aasly J, Gibson JM, Ross OA, Lynch T, Wiley J, Payami H, Nutt J, Maraganore DM, Czyzewski K, Styczynska M, Wszolek ZK, Farrer MJ and Toft M (2005) Identification of a Novel LRRK2 Mutation Linked to Autosomal Dominant Parkinsonism: Evidence of a Common Founder across European Populations. **Am J Hum Genet** 76.

8. Toft M, Mata IF, Kachergus JM, Ross OA and Farrer MJ (2005) LRRK2 mutations and Parkinsonism. **Lancet** 365: 1229-1230.

9. Mata IF, Alvarez V, Coto E, Blazquez M, Guisasola LM, Salvador C, Kachergus JM, Lincoln SJ and Farrer M (2005) Homozygous partial genomic triplication of the parkin gene in earlyonset parkinsonism. **Neurosci Lett** 380: 257-259.

10. Mata IF, Taylor JP, Kachergus J, Hulihan M, Huerta C, Lahoz C, Blazquez M, Guisasola LM, Salvador C, Ribacoba R, Martinez C, Farrer M and Alvarez V (2005) LRRK2 R1441G in Spanish patients with Parkinson's disease. **Neurosci Letters** 382: 309-311.

11. Gosal D, Ross OA, Wiley J, Irvine GB, Johnston JA, Toft M, Mata IF, Kachergus J, Hulihan M, Taylor JP, Lincoln SJ, Farrer MJ, Lynch T,Mark Gibson J (2005) Clinical traits of LRRK2associated Parkinson's disease in Ireland: A link between familial and idiopathic PD. **Parkinsonism Relat Disord** 11: 349-52.

12. Mata IF, Kachergus JM, Taylor JP, Lincoln S, Aasly J, Lynch T, Hulihan MM, Cobb SA, Wu RM, Lu CS, Lahoz C, Wszolek ZK,Farrer MJ (2005) Lrrk2 pathogenic substitutions in Parkinson's disease. **Neurogenetics**: 1-7.

13. Mata IF, Ross OA, Kachergus J, Huerta C, Ribacoba R, Moris G, Blazquez M, Guisasola LM, Salvador C, Martinez C, Farrer M,Alvarez V (2005) LRRK2 mutations are a common cause of Parkinson's disease in Spain. **European Journal of Neurology,**13:391-394.

14. Mata IF, Bodkin CL, Adler CH, Lin SC, Uitti RJ, Farrer MJ,Wszolek ZK (2005) Genetics of restless legs syndrome A review. **Parkinsonism & Related Disorders** 12: 1-7.

15. Taylor JP, Mata IF, Farrer MJ (2006) LRRK2: a common pathway for parkinsonism, pathogenesis and prevention?. **Trends Mol. Med.** 12: 76-82

16. Mata IF, Wedemeyer WJ, Farrer MJ, Taylor JP, Gallo KA (2006) LRRK2 in Parkinson's disease: protein domains and functional insights. **Trends. Neuroscience.** 29: 286-93

[1] Last name was spelled different than all the other manuscripts and was never corrected

17. Dachsel JC, Mata IF, Ross OA, Taylor JP, Lincoln SJ, Hinkle KM, Huerta C, Ribacoba R, Blazquez M, Alvarez V and Farrer MJ (2006) Digenic parkinsonism: Investigation of the synergistic effects of PRKN and LRRK2. **Neurosci Lett**, 410:80-4.

18. Mata IF (2007) Genética de la enfermedad de Parkinson en Asturias. **Revista Española de transtornos del movimiento**, 1:16-21.

19. Dachsel, JC, Ross, OA, Mata, IF, Kachergus, J, Toft, M, Cannon, A, Baker, M, Adamson, J, Hutton, M, Dickson, DW and Farrer, MJ (2007) Lrrk2 G2019S substitution in frontotemporal lobar degeneration with ubiquitinimmunoreactive neuronal inclusions. **Acta Neuropathol** (Berl), 113: 601-6.

20. Toft M, Mata IF, Ross OA, Kachergus J, Hulihan MM, Haugarvoll K, Stone JT, Blazquez M, Gibson JM, Aasly JO, White LR, Lynch T, Adler CH, GwinnHardy K, Farrer MJ (2007) Pathogenicity of the Lrrk2 R1514Q substitution in Parkinson's disease. **Mov Disord**, 22: 389-92.

21. GonzalezFernandez MC, Lezcano E, Ross OA, GomezEsteban JC, GomezBusto F, Velasco F, AlvarezAlvarez M, RodriguezMartinez MB, Ciordia R, Zarranz JJ, Farrer MJ, Mata IF, de Pancorbo MM (2007) Lrrk2associated parkinsonism is a major cause of disease in Northern Spain. **Parkinsonism Relat Disord** 13: 509-15.

22. Mata IF, Samii A, Schneer SH, Roberts JW, Griffith A, Leis BC, Schellenberg GD, Sidransky E, Bird TD, Leverenz JB, Tsuang D, Zabetian CP (2008) Glucocerebrosidase gene mutations: a risk factor for Lewy body disorders. **Arch Neurol**, 65: 379-82.

23. Ross OA, Wu YR, Lee MC, Funayama M, Chen ML, Soto AI, Mata IF, LeeChen GJ, Chen CM, Tang M, Zhao Y, Hattori N, Farrer MJ, Tan EK, Wu RM (2008) Analysis of Lrrk2 R1628P as a risk factor for Parkinson's disease. **Ann Neurol** 64: 88-92

24. Lee MJ, Mata IF, Lin CH, Tzen KY, Lincoln SJ, Bounds R, Lockhart PJ, Hulihan MM, Farrer MJ, Wu RM (2008) Genotypephenotype correlates in Taiwanese patients with earlyonset recessive parkinsonism. **Mov Disord** 24:104-108.

25. Healy DG, Falchi M, O'Sullivan SS, Bonifati V, Durr A, Bressman S, Brice A, Aasly A, Zabetian CP, Goldwurm S,. Ferreira JJ, Tolosa E, Kay DM, Klein C, Williams DR, Marras C, Lang AE, Wszolek ZK, Berciano J, Schapira AH, Lynch T, Bhatia KP, Gasser T, Lees AJ, Wood NW and **International *LRRK2* Consortium**[2] (2008) Phenotype, genotype, and worldwide genetic penetrance of LRRK2associated Parkinson's disease: a casecontrol study. *Lancet Neurol* 7:583-590.

26. Mata IF, Cosentino C, Marca V, Torres L, Mazzetti P, Ortega O, Raggio V, Aljanati R, Buzo R, Yearout D, Dieguez E, Zabetian CP (2008) LRRK2 mutations in patients with Parkinson's disease from Peru and Uruguay. **Parkinsonism Relat Disord** 15: 370-3

[2] As part of the International *LRRK2* research Consortium

27. Mata IF, Hutter CM, GonzalezFernandez MC, de Pancorbo MM, Lezcano E, Huerta C, Blazquez M, Ribacoba R, Guisasola LM, Salvador C, GomezEsteban JC, Zarranz JJ, Infante J, Jankovic J, Deng H, Edwards KL, Alvarez V, Zabetian CP (2009) Lrrk2 R1441Grelated Parkinson's disease: evidence of a common founding event in the seventh century in Northern Spain. **Neurogenetics** 10:347-53

28. Zabetian CP, Yamamoto M, Lopez AN, Ujike H, Mata IF, Izumi Y, Kaji R, Maruyama H, Morino H, Oda M, Hutter CM, Edwards KL, Schellenberg GD, Tsuang DW, Yearout D, Larson EB, Kawakami H (2009) LRRK2 mutations and risk variants in Japanese patients with Parkinson's disease. **Mov Disord** 24: 1034-41

29. Cobb SA, Wider C, Ross OA, Mata IF, Adler CH, Rajput A, Rajput AH, Wu RM, Hauser R, Josephs KA, Carr J, Gwinn K, Heckman MG, Aasly JO, Lynch T, Uitti RJ, Wszolek ZK, Kapatos G, Farrer MJ (2009) GCH1 in earlyonset Parkinson's disease. **Mov Disord** 24:2070-5

30. Sidransky E, Nalls MA, Aasly JO, AharonPeretz J, Annesi G, Barbosa ER, BarShira A, Berg D, Bras J, Brice A, Chen CM, Clark LN, Condroyer C, De Marco EV, Durr A, Eblan M. J., Fahn S, Farrer MJ, Fung HC, GanOr Z, Gasser T, GershoniBaruch R, Giladi N, Griffith A, Gurevich T, Januario C, Kropp P, Lang AE, LeeChen GJ, Lesage S, Marder K, Mata IF**,** Mirelman A, Mitsui J, Mizuta I, Nicoletti G, Oliveira C, Ottman R, OrrUrtreger A, Pereira LV, Quattrone A, Rogaeva E, Rolfs A, Rosenbaum H, Rozenberg R, Samii A, Samaddar T, Schulte C, Sharma M, Singleton A, Spitz M, Tan EK, Tayebi N, Toda T, Troiano AR, Tsuji S, Wittstock M, Wolfsberg TG, Wu YR, Zabetian CP, Zhao Y, Ziegler SG (2009) Multicenter analysis of glucocerebrosidase mutations in Parkinson's disease. **N Engl J Med** 361:1651-1661.

31. Mata IF, Shi M, Agarwal P, Chung KA, Edwards KL, Factor SA, Galasko DR, Ginghina C, Griffith A, Higgings DS, Kay DM, Kim H, Leverenz JB, Quinn JF, Roberts JW, Samii A, Snapinn KW, Tsuang DW, Yearout D, Zhang J, Payami H, Zabetian CP (2010) A *SNCA* Variant Associated with Parkinson's Disease and Plasma αSynuclein Level. **Archives of Neurology** 67: 1350-1356

32. Bekris L, Mata IF, Zabetian CP (2010) The genetics of Parkinson disease. **J. Geriatric Psychiatry and Neurology** 23: 228-242

33. Snappinn KW, Larson EB, Kawakami H, Ujike H, Borenstein AR, Izumi Y, Kaji R, Muruyama H, Mata IF, Morino H, Oda M, Tsuang DW, Yearout D, Edwards KL, Zabetian CP (2011) The UCHL1 S18Y polymorphism and Parkinson's disease in a Japanese population. **Parkinsonism Relat Disord** 26: 819-23

34. Mata IF, Yearout D, Alvarez V, Coto E, de Mena L, Ribacoba R, Lorenzo-Betancor O, Samaranch L, Pastor P, Cervantes S, Infante J, Garcia-Gorostiaga I, Sierra M, Combarros O, Snapinn KW, Edwards KL, Zabetian CP (2011) Replication of MAPT and SNCA, but not PARK16-18, as Susceptibility Genes for Parkinson's Disease. **Mov Dis** 26:819-823

35. Mata IF, Wilhoite GJ, Yearout D, Bacon JA, Cornejo M, Mazzetti P, Marca V, Ortega O, Acosta O, Cosentino C, Torres L, Medina AC, Perez-Pastene C, Díaz-Grez F, Vilariño-Güell C, Venegas P, Miranda M, Trujillo-Godoy O, Layson L, Avello R, Dieguez E, Raggio V, Micheli F, Perandones C, Alvarez V, Segura-Aguilar J, Farrer MJ, Zabetian CP, Ross OA (2011) Lrrk2 p.Q1111H substitution and Parkinson's disease in Latin America, **Parkinsonism Relat Disord** 17: 629-31
36. Cardo LF, Coto E, de Mena L, Ribacoba R, Lorenzo-Betancor O, Pastor P, Samaranch L, Mata IF, Diaz M, Moris G, Menendez M, Corao AI, Alvarez V (2011) A Search for SNCA 3' UTR Variants Identified SNP rs356165 as a Determinant of Disease Risk and Onset Age in Parkinson's Disease. **J Mol Neurosci**. 47:425-30
37. Tsuang D, Leverenz JB, Lopez OL, Hamilton RL., Bennett DA, Schneider JA, Buchman AS, Larson EB, Crane PK, Kaye JA, Kramer P, Woltjer R, Kukull W, Nelson PT, Jicha GA, Neltner JH, Galasko D, Masliah E, Trojanowski JQ, Schellenberg GD, Yearout D, Huston H, Fritts-Penniman A, Mata IF, Wan JY, Edwards KL, Montine,TJ, Zabetian CP (2012) GBA mutations increase risk for Lewy body disease with and without Alzheimer disease pathology.**Neurology**. 79:1944-50
38. Hall TO, Wan JY, Mata IF, Kerr KF, Snapinn KW, Samii A, Roberts JW, Agarwal P, Zabetian CP, Edwards KL. (2012) Risk prediction for complex diseases: application to Parkinson disease. **Genet Med** epub.
39. Mata IF, Checkoway H, Hutter CM, Samii A, Roberts JW, Kim HM, Agarwal P, Alvarez V, Ribacoba R, Pastor P, Lorenzo-Betancor O, Infante J, Sierra M, Gomez-Garre P, Mir P, Ritz B, Rhodes SL, Colcher A, Van Deerlin V, Chung KA, Quinn JF, Yearout D, Martinez E, Farin FM, Wan JY, Edwards KL, Zabetian CP. (2012) Common variation in the LRRK2 gene is a risk factor for Parkinson's disease. **Mov Disord**. 27:1823-6
40. de Mena L, Samaranch L, Coto E, Cardo LF, Ribacoba R, Lorenzo-Betancor O, Pastor P, Wang L, Irigoyen J, Mata IF, Díaz M, Moris G, Menéndez M, Corao AI, Lorenzo E, Alvarez V (2012) Mutational Screening of PARKIN Identified a 3' UTR Variant (rs62637702) Associated with Parkinson's Disease. **J Mol Neurosci**. Epub
41. Mata IF, Alvarez V, Ribacoba R, Infante J, Sierra M, Gomez-Garre P, Mir P, Waldherr S, Yearout D, Zabetian CP (2013). Novel Lrrk2-p.S1761R mutation is not a common cause of Parkinson's disease in Spain. **Mov Disord** 28: 248
42. Dombroski BA, Galasko DR, Mata IF, Zabetian CP, Craig UK, Garruto RM, Oyanagi K, Schellenberg GD (2013) C9orf72 Hexanucleotide Repeat Expansion and Guam Amyotrophic Lateral Sclerosis-Parkinsonism-Dementia Complex. **JAMA Neurol** 15: 1-4
43. Tsuang D, Leverenz JB, Lopez OL, Hamilton RL, Bennett DA, Schneider JA, Buchman AS, Larson EB, Crane PK, Kaye JA, Kramer P, Woltjer R, Trojanowski JQ, Weintraub D, Chen-Plotkin AS, Irwin DJ,

Rick J, Schellenberg GD, Watson GS, Kukull W, Nelson PT, Jicha GA, Neltner JH, Galasko, D, Masliah, E, Quinn, J F, Chung, K A, Yearout, D, Mata, IF, Wan, J Y, Edwards, K L, Montine TJ, Zabetian CP (2013). APOE epsilon4 increases risk for dementia in pure synucleinopathies. **JAMA Neurol** 70(2): 223-228

BOOKS

1. Mata IF and Ross OA. (2012). Genetica de los movimientos anormales. In Micheli F and Luquin-Piudo MR (Eds), Movimientos anormales: Clinica y terapéutica. Buenos Aires, Argentina: Editorial Medica Panamericana.

GRANTS/SCHOLARSHIPS

Principle Investigator:
Current:
None
Completed:

4/02-12/03	Espectro mutacional de los genes *SNCA, PRKN, PINK1* y *LRRK2* en la enfermedad de Parkinson Asociacion Parkinson Asturias, Research Fellowship, $20,000
7/07-6/08	Analysis of *MAPT* H1 subhaplotypes in Parkinson's disease Parkinson's Disease Foundation, International Research grant, $50,000
6/12	Cognitive Assessment for Parkinson's Disease in Multi-Cultural/Linguistic Populations Parkinson's Disease Foundation, Conference Award, $20,000

Co-Investigator:
Current:

3/10-2/12	Creating a South American Genetics Consortium on Parkinson's Disease Parkinson's Disease Foundation, International Research Program Grant, $75,000

REVIEWER Scientific journals

Frequently or regularly**:**

- Parkinsonism and related disorders
- Movement Disorders
- Neurology

Ocasionally:

- European Journal of Neurology

- Clinical Neurology and Neurosurgery
- Human Mutation
- Mechanisms of Aging and development
- Journal of Neural Transmission
- Pharmacogenetics and Genomics
- Canadian Journal of Neurological Sciences
- Journal of Neurological Sciences
- Neurodegenerative Diseases
- PLoS ONE
- BMC Neurology

WORKSHOPS

Advances in Neurobiology (September, 2000) at Universidad de Oviedo, Spain

Biomedical Research (2002) at Unidad de formación continuada del Hospital Universitario Central de Asturias, Spain

" from the cell to the clinic" (2002) at Unidad de formación continuada del Hospital Universitario Central de Asturias, Spain

II Curse of molecular biology applied to the clinic (2002) at Unidad de formación continuada del Hospital Universitario Central de Asturias, Spain

IV Practice course in transcriptional regulation and gene therapy (September, 2003) at CSICAUM, Madrid, Spain

Introduction to quantitative PCR (2003) at Aula Cientifica, Hospital Universitario Central de Asturias, Spain

Genomics in Biomedical Research (July, 2004) at Lawrence Berkeley national laboratory, California, USA

NIEHS SNPs Workshop (February, 2007) at University of Washington, Seattle, USA

MEMBERSHIPS

Member of the American Society of Human Genetics (ASHG) since 2005

Member of Sociedad LatinoAmericana de Movimientos Anormales (SOLAMA) since 2006

Member of the American Academy of Neurology (AAN) from 2009-2012

AWARDS

Premio extraordinario de Doctorado, University of Oviedo, Asturias, Spain (January 2007) (Best thesis at the Department of Functional Biology in 2006)

Advancing Parkinson's Therapies Conference Award (Parkinson's Disease Foundation) (June 2012)

OTHER

Judge for the American Society of Human Genetics Annual DNA day Essay Contest (2008-2012)

Chapter entitled: Genetics of torsion dystonia and other movement disorders (I Masters in Movement Disorders, Online, Viguera Editores, 2010)

Chapter entitled: Genetics of torsion dystonia and other movement disorders (II Masters in Movement Disorders, Online, Viguera Editores, 2011)