**ANNA L. PELJTO**

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**ACADEMIC TRAINING**

**Dr.P.H.****BIOSTATISTICS** Oct 2010

**Columbia University, Mailman School of Public Health**

*Awarded with distinction*

#### M.S. BIOSTATISTICS May 2006

##### Columbia University, Mailman School of Public Health

**B.A.****MATHEMATICS and BIOLOGY** May 2003

##### St. Olaf College, Northfield MN

**ACADEMIC APPOINTMENTS**

2019-2021 ***Assistant Research Professor***

**University of Colorado Anschutz Medical Campus, Department of Medicine**

Determining the underlying influences of interstitial lung disease through the application of statistical and bioinformatics methods to clinical and genomics data in humans.

2013-2015 ***Research Associate***

**University of Colorado Anschutz Medical Campus, Department of Medicine**

2010-2013 ***Postdoctoral Research Fellow***

 **University of Colorado Denver, School of Public Health** Aurora, CO

2007-2008 ***Course Instructor***

**Columbia University, Mailman School of Public Health** New York, NY

Taught the graduate-level core course, “Introduction to Biostatistics”. Developed curriculum, designed course structure and requirements, lectured, supervised teaching assistants, and administered all grades.

2006, 2008 ***Teaching Assistant***

**Columbia University, Mailman School of Public Health** New York, NY

**RESEARCH POSITIONS**

 2004-2006 ***Data Quality Coordinator***

**Statistical Analysis Center, Columbia University**New York, NY

Maintained data integrity and flow to ensure the efficacy and safety of the WARCEF clinical trial by conducting interim analyses, developing new protocol, training investigators, querying clinical coordinators, and managing data.

2003-2004 ***Assistant Scientist***

**University of Minnesota** Minneapolis, MN

Assisted statisticians with data management and analysis of the Community Programs for Clinical Research on AIDS research projects using SAS and S-plus.

**ACADEMIC AWARDS**

Joseph L. Fleiss Memorial Prize in Biostatistics, Columbia University, 2011

Genetics of Complex Diseases Fellowship, Columbia University, 2006-2010

 Presidential Scholarship, St. Olaf College, 1999-2003

**PROFESSIONAL AFFILIATIONS**

Member of the American Thoracic Society (ATS)

Member of the American Statistical Association (ASA)

Member of the American Society of Human Genetics (ASHG)

**UNIVERSITY SERVICE**

UN HIV/AIDS in the Workplace Programme Facilitator, 2005

 MSPH Faculty Steering Committee Student Representative, 2004-2005

 Youth Learning Enrichment Activities Coordinator, 2003

**COMPUTER LANGUAGE SKILLS**

R/S-Plus, SAS, Perl, SPSS, STATA, UNIX

**PUBLICATIONS**

1. **Peljto AL**, Blumhagen RZ, Walts AD, Cardwell J, Powers J, Corte TJ, Dickinson JL, Glaspole I, Moodley YP, Vasakova M, Bendstrup E, Davidsen JR, Borie RM, Crestani B, Dieude P, Bonella F, Costabel U, Gudmundsson G, Donnelly SC, Egan J, … Schwartz, DA (*submitted*). Idiopathic pulmonary fibrosis is associated with common genetic variants and limited rare variants, *American journal of respiratory and critical care medicine.*
2. Steele MP, **Peljto AL**, Mathai SK, Humphries S, Bang TJ, Oh A, Teague S, Cicchetti G, Sigakis C, Kropski JA, Loyd JE, Blackwell TS, Brown KK, Schwarz MI, Warren RA, Powers J, Walts AD, Markin C, Fingerlin TE, Yang IV, … Schwartz, DA (*in press*). Incidence and Progression of Fibrotic Lung Disease in an At-Risk Cohort, *American journal of respiratory and critical care medicine.*
3. Jang SK, Evans L, Fialkowski A, Arnett DK, Ashley-Koch AE, Barnes KC, Becker DM, Bis JC, Blangero J, Bleecker ER, Boorgula MP, Bowden DW, Brody JA, Cade BE, Jenkins BWC, Carson AP, Chavan S, Cupples LA, Custer B, Damrauer SM, David SP, de Andrade M, Dinardo CL, Fingerlin TE, Fornage M, Freedman BI, Garrett ME, Gharib SA, Glahn DC, Haessler J, Heckbert SR, Hokanson JE, Hou L, Hwang SJ, Hyman MC, Judy R, Justice AE, Kaplan RC, Kardia SLR, Kelly S, Kim W, Kooperberg C, Levy D, Lloyd-Jones DM, Loos RJF, Manichaikul AW, Gladwin MT, Martin LW, Nouraie M, Melander O, Meyers DA, Montgomery CG, North KE, Oelsner EC, Palmer ND, Payton M, **Peljto AL**, Peyser PA, Preuss M, Psaty BM, Qiao D, Rader DJ, Rafaels N, Redline S, Reed RM, Reiner AP, Rich SS, Rotter JI, Schwartz DA, Shadyab AH, Silverman EK, Smith NL, Smith JG, Smith AV, Smith JA, Tang W, Taylor KD, Telen MJ, Vasan RS, Gordeuk VR, Wang Z, Wiggins KL, Yanek LR, Yang IV, Young KA, Young KL, Zhang Y, Liu DJ, Keller MC, Vrieze S. (*in press*). Rare genetic variants explain missing heritability in smoking. *Nature Human Behavior.*
4. Furusawa H, **Peljto AL**, Walts AD, Cardwell J, Molyneaux PL, Lee JS, Fernández Pérez ER, Wolters PJ, Yang IV, & Schwartz DA (2022). Common idiopathic pulmonary fibrosis risk variants are associated with hypersensitivity pneumonitis. *Thorax*, 77(5), 508–510.
5. Matson SM, Deane KD, **Peljto AL**, Bang TJ, Sachs PB, Walts AD, Collora C, Ye S, Demoruelle MK, Humphries SM, Schwartz DA, & Lee JS (2022). Prospective Identification of Subclinical Interstitial Lung Disease in a Rheumatoid Arthritis Cohort Is Associated with the MUC5B Promoter Variant. *American journal of respiratory and critical care medicine*, 205(4), 473–476.
6. Chung JH, **Peljto AL**, Chawla A, Talbert JL, McKean DF, Rho BH, Fingerlin TE, Schwarz MI, Schwartz DA, & Lynch DA (2016). CT Imaging Phenotypes of Pulmonary Fibrosis in the MUC5B Promoter Site Polymorphism. *Chest*, 149(5), 1215–1222.
7. Chung JH, Chawla A, **Peljto AL**, Cool CD, Groshong SD, Talbert JL, McKean DF, Brown KK, Fingerlin TE, Schwarz MI, Schwartz DA, & Lynch DA (2015). CT scan findings of probable usual interstitial pneumonitis have a high predictive value for histologic usual interstitial pneumonitis. *Chest*, 147(2), 450–459.
8. **Peljto AL**, Selman M, Kim DS, Murphy E, Tucker L, Pardo A, Lee JS, Ji W, Schwarz MI, Yang IV, Schwartz DA, & Fingerlin TE (2015). The MUC5B promoter polymorphism is associated with idiopathic pulmonary fibrosis in a Mexican cohort but is rare among Asian ancestries. *Chest*, 147(2), 460–464.
9. **Peljto AL**, Barker-Cummings C, Vasoli VM, Leibson CL, Hauser WA, Buchhalter JR, & Ottman R (2014). Familial risk of epilepsy: a population-based study. *Brain : a journal of neurology*, 137(Pt 3), 795–805.
10. **Peljto AL**, Zhang Y, Schwarz MI, Richards TJ, Silveira LJ, Fingerlin TE, Lindell KO, Steele MP, Loyd JE, Gibson KF, Seibold MA, Brown KK, Talbert JL, Markin C, Murphy E, Kaminski N, and Schwartz DA (2013). Association between the MUC5B promoter polymorphism and survival in patients with idiopathic pulmonary fibrosis, *JAMA* 309(21):2232-9.
11. Borie R, Crestani B, Dieude P, Nunes H, Allanore Y, Kannengiesser C, Airo P, Matucci-Cerinic M, Wallaert B, Israel-Biet D, Cadranel J, Cottin V, Gazal S, **Peljto AL**, Varga J, Schwartz DA, Valeyre D, Grandchamp B (2013). The MUC5B variant is associated with idiopathic pulmonary fibrosis but not with systemic sclerosis interstitial lung disease in the european caucasian population, *PLoS One* 8(8):e70621.
12. Fingerlin TE, Murphy E, Zhang W, **Peljto AL**, Brown KK, Steele MP, Loyd JE, Cosgrove GP, Lynch D, Groshong S, Collard HR, Wolters PJ, Bradford WZ, Kossen K, Seiwert SD, du Bois RM, Garcia CK, Devine MS, Gudmundsson G, Isaksson HJ, Kaminski M, Zhang Y, Gibson KF, Lancaster LH, Cogan JD, Mason WR, Maher TM, Molyneaux PL, Wells AU, Moffatt MF, Selman M, Pardo A, Kim DS, Crapo JD, Make BJ, Regan EA, Walek DS, Daniel JJ, Kamatani1 Y, Zelenika D, Smith K, McKean D, Pedersen B, Talbert J, Kidd RN, Markin CR, Beckman KB, Lathrop M, Schwarz MI, Schwartz DA (2013). Genome-wide association study identifies multiple susceptibility loci for pulmonary fibrosis. *Nature Genetics* 45(6):613-20.
13. **Peljto AL**, Steele MP, Fingerlin TE, Hinchcliff MC, Murphy E, Podlusky S, Carns M, Schwarz M, Varga J, Schwartz DA (2012). The pulmonary fibrosis-associated *MUC5B* promoter polymorphism does not influence the development of interstitial pneumonia in systemic sclerosis, *Chest* 142(6):1584-8.
14. Homma S, Thompson JL, Pullicino P, Freudenberger R, Graham S, Teerlink J, Ammon S, Mann D, Mohr JP, Sacco RL, Massie B, Anker S, Labovitz A, Moy C, Moy C, Gilbert P, Gutmann L, Marler J, Homma S, Mejia V, Gabriel A, Borden S, Peña E, Harris C, Khadouri R, Gohs D, Brown M, Berry G, Disantis D, Scullin M, Smith P, Kohsaka S, Watson W, Guillory L, Thompson J, Levin B, Buchsbaum R, Del Valle M, Sanford A, Levy G, Tea K, Grier J, Swydan L, O'Hare B, Prodhan R, Arbing R, Flanagan E, Duverger E, **Peljto A** …Loviska P (2012). Warfarin and aspirin in patients with heart failure and sinus rhythm, *New England Journal of Medicine* 366(20):1936-8.
15. Stewart WCL, **Peljto AL**, Greenberg DA (2010). Multiple Subsampling of Dense SNP Data Localizes Disease Genes with Increased Precision, *Human Heredity* 69: 152-159.
16. Crotti L, Monti MC, Insolia R, **Peljto AL**, Goosen A, Brink P, Greenberg DA, Schwartz P, George A (2009). NOS1AP is a Genetic Modifier of the Long-QT Syndrome, *Circulation* 120(17): 1657-63.

**ABSTRACTS AND PRESENTATIONS**

* *“Genetic Variants Associated With Pulmonary Fibrosis In Asian And Hispanic Populations”*

Poster Presentation: American Thoracic Society International Conference, May 21, 2014.

* *“MUC5B contributes to phenotypic heterogeneity in idiopathic pulmonary fibrosis”*

Invited Talk: University of Colorado Department of Medicine Research and Innovation Conference, December 5, 2013.

* *“Association between the MUC5B promoter polymorphism and survival in patients with Idiopathic pulmonary fibrosis”*

Invited Talk: American Thoracic Society International Conference, May 21, 2013.

* *“Risk variant for ILD does not influence systemic sclerosis (SSc) associated ILD”*

Poster Presentation: American Thoracic Society International Conference, May 23, 2012.

* *“Using allele sharing among relatives to increase power of case-control genetic association* *studies”*

Invited Talk: Wake Forest University Statistical Genetics/Genetics Epidemiology Journal Club, February 16, 2012.

* *“Integrating linkage and association data through a weighted test statistic increases power to detect association”*

Poster Presentation: International Congress of Human Genetics, October 14, 2011.

* *“Improved detection and localization of disease genes: Utilizing dense SNP linkage data”*

Invited Talk: University of Colorado Denver Biostatistics and Informatics Research Seminar, February 2, 2011.

* *“Familial aggregation of epilepsy”*

Invited Talk: Wake Forest University Statistical Genetics/Genetics Epidemiology Journal Club, January 11, 2011.

* *“Estimates of familial risk for genetic counseling in the epilepsies”*

Poster Presentation: American Epilepsy Society, December 5, 2010.

* *“Multiple subsampling of dense SNP data localizes disease genes with increased precision”*

Poster Presentation: American Society of Human Genetics, October 22, 2009.