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Education

Ph.D in Biostatistics, University of Michigan, Ann Arbor, 2006.
Thesis title: Advances in fMRI data analysis.
Advisor: Thomas E Nichols.

M.S. in Biostatistics, University of Michigan, Ann Arbor, 2002.

M.S. in Mathematics, Western Illinois University, 2000.

B.S. in Mathematics (minor Physics), Western Illinois University, 1998.

Employment

Associate Scientist. Center for Investigating Healthy Minds work unit at the Waisman Center, University of Wisconsin-Madison. 2014-present

Research Assistant Professor. Department of Psychology, University of Texas at Austin. 2009-2014

Assistant Research Professor. Poldrack Lab, Department of Psychology, University of California, Los Angeles. 2008-2009

Postdoctoral Scholar. Poldrack Lab, Department of Psychology, University of California, Los Angeles. 2006-2008

Consultant. Adviser on statistical methodology for fMRI working under Dr. Luis Hernandez-Garcia of the biomedical engineering and MRI research facility at the University of Michigan, Ann Arbor. 2004-2006

Consultant. Adviser on statistical methodology for analyses involving pulmonary disease for Dr. Fernando Martinez of pulmonary and critical care medicine, in the department of internal medicine at the University of Michigan hospital. 2001-2005

Teaching Experience

Co-Instructor. BMI/CS 567 Medical Image Analysis Winter 2015/2016

Creator. Mumford Brain Stats. Free, online imaging analysis tutorials (mumfordbrainstats.tumblr.com/, www.youtube.com/c/mumfordbrainstats)

Instructor. PSY 394U/ SSC 385 Methods for fMRI: From design to data analysis, University of Texas at Austin. Fall 2010-2013

Instructor. PSY184R Data analysis with R, University of Texas at Austin. Fall 2013

Teaching Assistant. Introduction to fMRI, Biostatistics, University of Michigan, Ann Arbor. 2004, 2005

Teaching Assistant. Applied Biostatistics, Department of Biostatistics at the University of Michigan, Ann Arbor. 2000

Instructor. Intermediate algebra and college algebra, Department of Mathematics, Western Illinois University. 1998-2000

Teaching Assistant. Sets and Logic, Department of Mathematics, Western Illinois University. 1999-2000

Invited Talks

Images of the mind: new frontiers in brain imaging. Advanced fMRI statistical methods and their applications, 2015. Power analysis in neuroimaging.

The Science of Large Data Sets: Spikes, Fields, and Voxels, JSM Educational Course, 2013. The analysis of BOLD fMRI data, from mean activation differences to pattern analyses.

Single-Subject Neuroimaging, ISMRM Educational Course, 2013. From Group Analysis to Individual Studies: Statistical Considerations.

Two day educational course, Beijing Normal University, Beijing, China, 2012. Lectures on Modeling and inference, single subject and group fMRI data analysis, multiple comparisons in fMRI, percent change calculation in fMRI, and power calculation in group fMRI.

Lecturer at Conference on Inference and Imaging at the Institute for Mathematical Behavioral Sciences, UC Irvine, 2009. Power analysis for Group fMRI.

Semel Institute for Neuroscience and Human Behavior, NeuroImaging Training Program, University of California, Los Angeles, 2007-2010 Lectures on Modeling and inference, single subject and group fMRI data analysis, multiple comparisons in fMRI, percent change calculation in fMRI, and power calculation in group fMRI.

Educational Course, Organization for Human Brain Mapping, Chicago, IL, 2007. Classical Statistical Inference and Mixed Effects Models.

International Committee Membership

Treasurer Elect for the Organization for Human Brain Mapping, 2013. Three year position as treasurer.

Chair Elect of Communications Committee for the Organization for Human Brain Mapping, 2017. Three year position.

Editorial Duties

Handling Editor for NeuroImage. 2015-present

Editorial Board for Neuroimage. 2014-2105

Associate Editorial Board for Frontiers in Neuroscience. 2014-present

Reviewing

Ad hoc reviewer. NeuroImage, American Statistician, Human Brain Mapping, IEEE Journal of selected topics in signal processing, PLOS one, Computer Methods and Programs in Biomedicine, MIS Quarterly.

Abstract reviewer. Organization of Human Brain Mapping.

Awards

Human Brain Mapping Travel Fellow 2007

Human Brain Mapping Travel Fellow 2006

Human Brain Mapping Travel Fellow 2005

Human Brain Mapping Travel Fellow 2004

Grants**Active****Completed**

Consultant, NIH, R21, Sugar Sweetened Beverages: Impact on reward, satiety, and metabolism in children (PI, Jaimie Davis). 2014-2016

Consultant, NIH, R01, Texas Center for Learning Disabilities (PI, JM Fletcher). 12/2011-11/2016

Co-Investigator, NIH, R01, Overcoming the persistence of first-learned habits to maintain behavior change (PI, Russell Poldrack). 09/2011-06/2015

Co-Investigator, NIH, R01, Neural consequences of metabolic syndrome (PI, Andreeana Haley). 09/2011-06/2014

Principal Investigator, NIH, R03, Extending and enhancing an fMRI power analysis tool. 4/2009-3/2011

Principal Investigator, Consortium for Neuropsychiatric Phenomics proof of concept pilot project funding. 12/2008-3/2009

Research Statistician, NIMH, R01, The Cognitive Atlas: Developing an interdisciplinary knowledge base through social collaboration. (PI, Russell A. Poldrack) 09/2008-06/2009

Research Statistician, NIMH, R01, Center for Neuropsychiatric Phenomics: Human Translational Applications Core. (PI, Robert Bilder) 09/2007-06/2012

Books and Book Chapters

Poldrack RA, **Mumford JA**, Nichols TE, 2011. Handbook of Functional MRI Data Analysis. Cambridge University Press.

Poldrack RA & **Mumford JA**, 2010. "On the proper role of nonindependent ROI analysis: A commentary on Vul and Kanwisher", Chapter 7 in Foundational Issues in Human Brain Mapping, Eds. Hanson SJ & Bunzl M. MIT Press.

Mumford JA and Poline JB, 2015. Contrasts and Inference. *Brain mapping: An encyclopedic reference*; section 318: Elsevier.

Software

fMRIpower: A Matlab based power analysis tool for fMRI data. fmripower.org

Publications

Poldrack RA, Laumann TO, Koyejo O, Gregory B, Hover A, Chen MY, Gorgolewski KJ, Luci J, Joo SJ, Boyd RL, Hunicke-Smith S, Simpson ZB, Caven T, Sochat V, Shine JM, Gordon E, Snyder AZ, Adeyemo B, Petersen SE, Glahn DC, Reese McKay D, Curran JE, Gring HH, Carless MA, Blangero J, Dougherty R, Leemans A, Handwerker DA, Frick L, Marcotte EM, **Mumford JA**, 2015. Long-term neural and physiological phenotyping of a single human. *Nature Communications*; in press.

Worthy DA, Davis T, Gorlick MA, Cooper JA, Bakkour A, **Mumford JA**, Poldrack RA, Todd Maddox W, 2015. Neural Correlates of State-Based Decision-Making in Younger and Older Adults. *NeuroImage*; in press.

Schlichting ML, **Mumford JA**, Preston AR, 2015. Learning-related representational changes reveal dissociable integration and separation signatures in the hippocampus and prefrontal cortex. *Nature Communications*; 6:8151.

Laumann TO, Gordon EM, Adeyemo B, Snyder AZ, Joo SJ, Chen MY, Gilmore AW, McDermott KB, Nelson SM, Dosenbach NU, Schlaggar BL, **Mumford JA**, Poldrack RA, Petersen SE, 2015. Functional System and Areal Organization of a Highly Sampled Individual Human Brain. *Neuron*;87(3):657-70.

Sherman SM, **Mumford JA**, Schnyer DM, 2015. Hippocampal activity mediates the relationship between circadian activity rhythms and memory in older adults. *Neuropsychologia*; 75: 617-25.

Mumford JA, Poline JB, Poldrack RA, 2015. Orthogonalization of regressors in fMRI models. *PLoS One*; 10(4): e0126255.

Mumford JA, Davis T, Poldrack RA, 2014. The impact of study design on pattern estimation for single-trial multivariate pattern analysis. *NeuroImage*; 103:130-8.

Yi HG, Maddox WT, **Mumford JA**, Chandrasekaran B, 2014. The role of corticostriatal systems in speech category learning. *Cerebral Cortex*; epub.

Davis T, LaRocque KF, **Mumford JA**, Norman KA, Wagner AD, Poldrack RA, 2014. What do differences between multi-voxel and univariate analysis mean? How subject-, voxel- and trial-level variance impact fMRI analysis. *NeuroImage*; 97: 271-83.

Schonberg T, Bakkour A, Hover AM, **Mumford JA**, Nagar L, Perez J, Poldrack RA, 2014. Changing value through cued approach: An automatic mechanism of behavior change. *Nature Neuroscience*; 17(4): 625-630.

Congdon E, Altshuler LL, **Mumford JA**, Karlsgodt KH, Sabb FW, Ventura J, McGough JJ, London ED, Cannon TD, Bilder RM, Poldrack RA., 2014. Neural activation during response inhibition in adult attention-deficit/hyperactivity disorder: preliminary findings on the effects of medication and symptom severity. *Psychiatry Research: Neuroimaging*; 222(1-2):17-28.

White CN, Congdon E, **Mumford JA**, Karsgodt KH, Sabb FW, Freimer NB, London ED, Cannon TD, Bilder RM, Poldrack RA, 2014. Decomposing decision components in the stop-signal task: A model-based approach to individual differences in inhibitory control. *Journal of Cognitive Neuroscience*; 26(8):1601-14.

Helfinstein SM, Schonberg T, Congdon E, Karlsgodt KH, **Mumford JA**, Sabb FW, Cannon T, London ED, Bilder T, Poldrack, 2014. Predicting risky choices from brain activity patterns. *Proceedings of the National Academy of Sciences*; 111(7):2470-5.

Gonzales M, Tarumi T, **Mumford JA**, Ellis RC, Hungate JR, Pyron M, Tanaka H, Haley AP, 2014. Greater BOLD Response to Working Memory in Endurance-Trained Adults Revealed By Breath-Hold Calibration. *Human Brain Mapping*; 35(7):2898-910.

Mumford JA and Ramsey JD, 2014. Bayesian Networks for fMRI: A Primer. *NeuroImage*; 86: 573-82.

Clasen PC, Beevers CG, **Mumford JA** and Schnyer DM, 2014. Cognitive control network connectivity in adolescent women with and without a parental history of de-

pression. *Developmental Cognitive Neuroscience*; 7: 13-22.

Schonberg T, Bakkour A, Hover AM, **Mumford JA**, Poldrack RA, 2014. Influencing food choices by training: evidence for modulation of frontoparietal control signals. *Journal of Cognitive Neuroscience*; 26(2): 247-68.

Congdon E, Bato AA, Schonberg T, **Mumford JA**, Karlsgodt KH, Sabb FW, London ED, Cannon TD, Bilder RM, Poldrack RA, 2013. Differences in Neural Activation as a Function of Risk-taking Task Parameters. *Frontiers in Decision Neuroscience*; 7:173.

Galvan A, Schonberg T, **Mumford JA**, Kohno M, Poldrack RA, London ED, 2013. Greater risk sensitivity of dorsolateral prefrontal cortex in young smokers than in non-smokers. *Psychopharmacology*; 229(2) 345-55.

Xue G, Dong Q, Chen C, Lu Z, **Mumford JA**, Poldrack RA, 2013. Complementary role of frontoparietal activity and cortical pattern similarity in successful episodic memory encoding. *Cerebral Cortex*; 23(7):1562-71.

White CN, **Mumford JA**, Poldrack RA, 2012. Perceptual criteria in the human brain. *Journal of Neuroscience*; 32(47):16716-24.

Schonberg T, Fox C, **Mumford JA**, Congdon E, Trepel C, Poldrack RA, 2012. Decreasing ventromedial prefrontal cortex activity during sequential risk-taking: An fMRI investigation of the Balloon Analogue Risk Task. *Frontiers in Decision Neuroscience*; Jun 4; 6:80.

Turner B, **Mumford JA**, Poldrack RA, Ashby FG, 2012. Spatiotemporal activity estimation for multivoxel pattern analysis with rapid event-related designs. *NeuroImage*; 62(3):1429-38.

Mumford JA, 2012. A power calculation guide for fMRI studies. *Social, Cognitive, and Affective Neuroscience*; 7(6):738-42.

Poldrack RA, **Mumford JA**, Schonberg T, Kalar D, Barman B, Yarkoni T, 2012. Discovering relations between mind, brain, and mental disorders using topic mapping. *PLoS Computational Biology*, 8(10):e1002707.

Satpute AB, **Mumford JA**, Naliboff BD, Poldrack RA, 2012. Human anterior and posterior hippocampus respond distinctly to state and trait anxiety. *Emotion*; 12(1):56-68.

Congdon E, **Mumford JA**, Cohen JR, Galvan A, Canli T, Poldrack RA, 2012. Measurement and reliability of response inhibition. *Frontiers in Quantitative Psychology and Measurement*; 3:37.

Mumford JA, Turner BO, Asby FG, Poldrack RA, 2012. Deconvolving BOLD activation in event-related designs for multivoxel pattern classification analyses. *NeuroImage*; 59(3):2636-43.

Stern JM, Caporro M, Haneef Z, Hsiang J, Yeh BS, Buttinelli C, Lenartowicz A, **Mumford JA**, Parvizi J, Poldrack RA, 2011. Functional imaging of sleep vertex sharp transients. *Journal of clinical neurophysiology*; 122: 1382-1386.

Scott-Van Zeeland AA, Abrahams BS, Alvarez-Retuerto AI, Sonnenblick LI, Rudie JD, Ghahremani D, **Mumford JA**, Poldrack RA, Dapretto M, Geschwind DH, Bookheimer

SY, 2010. Altered functional connectivity associated with variation in CNTNAP2. *Science Translational Medicine*; 2: 56ra80.

Xue G, Dong Q, Chen C, Lu Z, **Mumford JA**, Poldrack RA, 2010. Greater neural pattern similarity across repetitions is associated with better memory. *Science*; 330: 97-101.

Congdon E, **Mumford JA**, Cohen JR, Galvan A, Aron AR, Xue G, Miller E, Poldrack RA, 2010. Engagement of large-scale networks is related to individual differences in inhibitory control. *NeuroImage*; 53: 653-663.

Mumford JA, Horvath S, Oldham MC, Langfelder P, Geschwind DH, Poldrack RA, 2010. Detecting network modules in fMRI time series: A weighted network analysis approach. *NeuroImage*; 52:1465-1476.

Kenner NK, **Mumford JA**, Hommer RE, Skup M, Leibenluft E, Poldrack RA, 2010. Inhibitory motor control in response stopping and response switching. *Journal of Neuroscience*; 85:12-8.

Han MK, Martinez FJ, **Mumford JA**, Sciruba F, Criner GJ, Curtis JL, Murray SK, Sternberg A, Weinman G, Kazerooni E, Fishman AP, Make B, Hoffman EA, Mosenifar Z, Wise R. Prevalence and Clinical Correlates of Bronchoreversibility in Severe Emphysema, 2010. *European Respiratory Journal*; 35:1048-56.

Cho, S, Moody T, Fernandino, L, **Mumford JA**, Poldrack RA, Cannon T, Knowlton B, Holyoak K, 2010. Common and Dissociable Prefrontal Loci Associated With Component Mechanisms of Analogical Reasoning. *Cerebral Cortex*; 20(3): 524-33.

Lee B, London E, Poldrack R, Farahi J, Nacca A, Monterosso J, **Mumford JA**, Bokari A, Dahlbom M, Mukherjee J, Bilder R, Brody A, and Mandelkern M, 2009. Striatal Dopamine D2/D3 Receptor Availability is Reduced in Methamphetamine Dependence and is Linked to Impulsivity. *Journal of Neuroscience*; 29:14734-40.

Harley EM, Pope WB, Villablanca, JP, **Mumford JA**, Suh R, Mazziotta JC, Enzmann D, Engel SA, 2009. Engagement of Fusiform Cortex and Disengagement of Lateral Occipital Cortex in the Acquisition of Radiological Expertise. *Cerebral Cortex*; 19(11): 2746-54.

Mumford JA & Nichols TE, 2009. Simple Group fMRI Modeling and Inference. *NeuroImage*; 47(4):1469-1475.

Poldrack RA & **Mumford JA**, 2009. Independence in ROI Analysis: Where is the Voodoo. *Social, Cognitive, and Affective Neuroscience*; 4(2):208-213.

Mumford JA and Nichols TE, 2008. Power Calculation for Group fMRI Studies Accounting for Arbitrary Design and Temporal Autocorrelation. *NeuroImage*; 39:261-268.

Martinez FJ, Curtis JL, Sciruba F, **Mumford JA**, Giardino ND, Weinmann G, Kazerooni E, Murray S, Criner GJ, Sin DD, Hogg J, Ries AL, Han M, Fishman AP, Make B, Hoffman EA, Mosenifar Z, Wise R and for the National Emphysema Treatment Trial Research Group, 2007. Sex Differences in Severe Pulmonary Emphysema. *American Journal of Respiratory and Critical Care Medicine*; 176(3):243-252.

Mumford JA and Poldrack RA, 2007. Modeling Group fMRI Data. *Social Cognitive*

and *Affective Neuroscience*; 2: 251-257.

Mumford JA, Hernandez-Garcia L, Lee GR, Nichols TE, 2006. Estimation Efficiency and Statistical Power in Arterial Spin Labeling fMRI. *NeuroImage*; 33: 103-114.

Mumford JA and Nichols TE, 2005. Modeling and Inference of Multisubject fMRI Data: Using Mixed-Effects Analysis for Joint Analysis. *IEEE Engineering in Medicine and Biology Magazine*; 25(2):42-51.

Lama VN, Murray SK, **Mumford JA**, Flaherty KR, Chang A, Toews GB, Peters-Golden M, Martinez FJ, 2005. Prognostic Value of Bronchiolitis Obliterans Syndrome Stage 0-p in Single Lung Transplant Recipients. *American Journal of Respiratory and Critical Care Medicine*; 172: 379-383.

Flaherty KR, Thwaite EL, Kazerooni EA, Gross BH, Toews GB, Colby TV, Travis WD, **Mumford JA**, Murray S, Flint A, Lynch JP, Martinez FJ, 2003. Radiological Versus Histological Diagnosis in UIP and NSIP: Survival Implications. *Thorax*; 58:143-148.

Flaherty KR, **Mumford JA**, Murray S, Kazerooni EA, Gross BH, Colby TV, Travis WD, Flint A, Toews GB, Lynch III JP, Martinez FJ, 2003. Prognostic Implications of Physiologic and Radiographic Changes in Idiopathic Interstitial Pneumonia. *American Journal of Respiratory and Critical Care Medicine*; 168:543-548.

Flaherty KR, Colby TV, Travis WD, Toews GB, **Mumford JA**, Murray S, Thannickal VJ, Kazerooni EA, Gross BH, Lynch III JP, Martinez FJ, 2003. Fibroblastic Foci in Usual Interstitial Pneumonia: Idiopathic Versus Collagen Vascular Disease. *American Journal of Respiratory and Critical Care Medicine*; 167:1410-1415.

Presentations & Abstracts

Mumford JA and Davis T, 2013. Biases when using single trial activation estimates in representational similarity analyses. 19th annual meeting for the Organization for Human Brain Mapping (poster presentation).

Schonberg, T, Bakkour A, Hover A, Nagar L, Mumford J, Poldrack R, 2013. A novel go-signal task induces preference change between food items and modulates vmPFC activity. 19th annual meeting for the Organization for Human Brain Mapping (poster presentation).

Bakkour A, Schonberg T, Hover A, Mumford J, Poldrack R, 2013. Self-control circuitry engagement decreases during overtraining to induce behavioral change. 19th annual meeting for the Organization for Human Brain Mapping (poster presentation).

White C, Congdon E, Mumford J, Karlsgodt K, Sabb F, Freimer N, London E, Cannon T, Bilder R, Bato A, Poldrack R, 2013. Individual differences in the stop-signal task: relating decision processes with inhibitory control. 19th annual meeting for the Organization for Human Brain Mapping (poster presentation).

Poldrack R, Mumford J, Schonberg T, Barman B, Kalar D, Yarkoni T, 2012. Discovering the relations between mind, brain, and mental disorders using topic mapping. 18th annual meeting for the Organization for Human Brain Mapping (poster presentation).

Mumford JA, Ashby FG, Turner BO, Poldrack RA, 2011. Comparison of methods for trial-specific activation estimation. 17th annual meeting of the Organization for Human Brain Mapping (poster presentation).

Congdon E, Cohen J, Galvan A, Bakkour A, Mumford J, London E, Poldrack R, 2011. The relationship between structural brain features and train impulsivity in healthy individuals. 17th annual meeting of the Organization for Human Brain Mapping (poster presentation).

Kenner N, Mumford J, Poldrack R, 2011. Associative learning in striatal subregions using high resolution fMRI. 17th annual meeting of the Organization for Human Brain Mapping (poster presentation).

Mumford JA, Oldham MC, Geschwind DH, Langfelder P, Horvath S, Poldrack RA, 2010. Weighted voxel coactivation network analysis: Reliability and comparison with ICA. 16th annual meeting of the Organization for Human Brain Mapping (poster presentation).

Mumford JA, Oldham MC, Geschwind DH, Langfelder P, Horvath S, Poldrack RA, 2009. Functional Connectivity Using Weighted Voxel Coexpression Network Analysis. *NeuroImage*, 47(S1), S169.

Kenner NM, Mumford JA, Lenartowicz A, Hommer RE, Skup M, Leibenluft E, Poldrack RA, 2009. Comparing networks involved in stopping and changing motor responses. *NeuroImage*, 47(S1), S190.

Barkley-Levenson EE, Tom SM, Mumford JA, Fox CR, Poldrack RA, 2009. An fMRI Study of Decision and Experienced Utility in Risky Decision-Making. *NeuroImage*, 47(S1), S95.

Rizk-Jackson AM, Aron AR, Mumford JA, Poldrack RA, 2008. How powerful are fMRI biomarkers for detecting change over time? *Society for Neuroscience Abstracts*, 497.7.

Poldrack RA, Mumford JA, Oldham MC, Geschwind DH, 2008. Detecting voxel coactivation networks in fMRI data using topological overlap measures. *Society for Neuroscience Abstracts*, 497.11.

Kenner NM, Mumford JA, Hoommer RE, Skup M, Liebenluft E, Poldrack RA, 2008. Stopping and changing motor responses engages partially overlapping networks. *Society for Neuroscience Abstracts*, 871.4 .

Mumford JA, 2008. Type I error rate with simple group fMRI models. *Joint Statistical Meeting*, Denver, CO.

Mumford JA, 2008. Sample Size Recalculation Using Internal Pilot Studies For Group fMRI. *Human Brain Mapping Abstracts*, #532.

Rizk-Jackson A, Mumford JA, Poldrack RA, 2008. Classification analysis of rapid event-related fMRI studies. *Human Brain Mapping Abstracts*, #484.

Mumford JA, Poldrack, RA, Nichols TE, 2007. FMRIpower: A Power Calculation Tool for 2-Stage fMRI models. *Human Brain Mapping Abstracts*, #328.

Mumford JA, Nichols TE, 2006. Power Calculation for Group fMRI Studies Accounting for Arbitrary Design and Temporal Autocorrelation. *Joint Statistical Meeting*, Seattle, WA.

Mumford JA, Nichols TE, 2006. Power Calculations for Group fMRI Studies Account-

ing for Arbitrary Design and Temporal Autocorrelation. Human Brain Mapping Abstracts, #150.

Mumford JA, Hernandez-Garcia L, Lee GR, Nichols TE, 2006. Estimation Efficiency and Statistical Power in Arterial Spin Labeling fMRI. ENAR Spring Meeting Tampa, FL.

Mumford JA, Hernandez-Garcia L, Nichols TE, 2005. Maximizing Power with Arterial Spin Labeling fMRI. Joint Statistical Meeting , Minneapolis, MN.

Mumford, JA, Nichols TE, 2005. The Problem of Inflated Type I Errors with Simple Group Models. Human Brain Mapping Abstracts #548.

Mumford JA, Nichols TE, Luo W, 2004. Robust and local nonsphericity modeling for second level PET and fMRI analysis. Joint Statistical Meetings, Toronto Canada.

Luo W, Mumford JA, Nichols TE, 2004. Robust and local nonsphericity modeling for second level PET and fMRI analysis. Human Brain Mapping Abstracts #253.

Lama VN, Mumford JA, Murray S, Peters-Golden M, Flaherty KR, Gay SE, Clark Ojo T, Hyzy RC, Toews GB, Chang A, Polidori DJ, Iannettoni MD, Martinez FJ, 2004. Validating predictive utility of the bronchiolitis obliterans syndrome designation. Submitted to American Thoracic Society.

Lama VN, Mumford JA, Murray S, Flaherty KR, Gay SE, Clark Ojo T, Hyzy RC, Toews GB, Martinez FJ, 2004. Role of potential bronchiolitis obliterans syndrome stage (BOS 0-p). Submitted to American Thoracic Society.

Gay SE, Kazerooni EA, Cheng D, Flaherty KR, Mumford JA, Murray S, Curtis JL, Lama VN, Christensen PJ, Martinez FJ, 2004. The predictive value of exercise induced desaturation on mortality in patients with severe COPD. Submitted to American Thoracic Society.

Flaherty KR, Kazerooni EA, Mumford JA, Murray S, Gay SE, Martinez FJ, 2003. Emphysema quantity determined by high resolution computed tomography predicts bronchodilator response to albuterol. Am J Respir Crit Care Med 2003; 167:A80.

Lama VN, Flaherty KR, Travis WD, Colby TV, Toews GB, Lynch III JP, Kazerooni EA, Gross BH, Murray S, Mumford JA, True M, Gay SE, Martinez FJ, 2003. Predictors of exercise induced desaturation in usual interstitial pneumonia (UIP). Am J Respir Crit Care Med 2003; 167:A986.

Lama VN, Flaherty KR, Colby TV, Travis WD, Toews GB, Lynch III JP, Kazerooni EA, Gross BH, Murray S, Mumford JA, True M, Gay SE, Martinez FJ, 2003. Exercise induced desaturation and mortality in usual interstitial pneumonia (UIP). Am J Respir Crit Care Med 2003; 167:A300.

Flaherty KR, Thwaite E, Kazerooni E, Gross B, Toews GB, Colby T, Travis WD, Mumford J, Murray S, Flint A, Lynch III JP, Martinez FJ, 2002. Radiologic vs histologic diagnosis in UIP and NSIP: Clinical implications. Am J Respir Crit Care Med 2002; 165: A138.