

YALE FORMATTED CV

NAME: Ralitza Gueorguieva

RANK: Research Scientist, Epidemiology and Public Health
(Biostatistics Division)

TERM: July 1, 2006 - June 30, 2009

SCHOOL ASSIGNMENT:
Yale University School of Medicine

BORN: April 25, 1971, Sofia, Bulgaria

EDUCATION:

Ph.D. in Statistics, University of Florida, Gainesville, FL, USA, 1999
Dissertation topic "*Models for Repeated Measurements of a Multivariate Response*"

M.Stat. in Statistics with Emphasis in Biostatistics, University of Florida, Gainesville, FL, USA, 1996

M.Sc. in Computer Science, Sofia University, Sofia, Bulgaria, 1994

Diploma for Teacher in Mathematics, Sofia University, Bulgaria, 1994

Diploma for Teacher in Informatics, Sofia University, Bulgaria, 1994

PROFESSIONAL EXPERIENCE:

July 2004 - present, Assistant Professor, Division of Biostatistics, Department of Epidemiology and Public Health, Yale University School of Medicine, USA

September 2000 - June 2004, Associate Research Scientist, Division of Biostatistics, Department of Epidemiology and Public Health, Yale University School of Medicine, USA

August 1999 – July 2000, Visiting Assistant Professor, Department of Statistics, University of Florida, USA

August 1996 - August 1999, Graduate Research Assistant, Division of Biostatistics, University of Florida, USA

January 1995 - May 1996, Graduate Teaching Assistant, Department of Statistics, University of Florida, USA

October 1994 - January 1995, Graduate Research Assistant, Division of Biostatistics, University of Florida, USA

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

International Biometric Society
American Statistical Association
Statistical Modeling Society
Bulgarian Statistical Society

HONORS AND AWARDS:

International Biometric Society's Eastern North American Region (ENAR)
Student Award, ENAR Spring Meeting, Atlanta, GA, USA, March 1999

The Statistics Faculty Award for the outstanding senior graduate student,
Department of Statistics, University of Florida, USA, 1998

First place, Student Abstract Competition, Annual Florida Epidemiology Meeting,
Tallahassee, FL, USA, July 1998

R. L. Anderson Student Paper Award, Southern Regional Conference on
Statistics, Navarre Beach, FL, USA, June 1998

International Student Academic Awards, Office of International Studies and
Programs, University of Florida, USA, 1996-1998

The William Mendenhall Award for outstanding first year student in the
Department of Statistics in 1994-95, University of Florida, USA

Exchange Student Fellowship, St. St. Kiril and Metodii Foundation, Sofia,
Bulgaria, 1991

Fellowship for Excellent Academic Performance, Sofia University, Bulgaria,
1989-1994.

JOURNAL REVIEWS:

Biometrics

Biostatistics

Journal of the American Statistical Association

Journal of the Royal Statistical Society Series B: Theory and Methods

Journal of the Royal Statistical Society Series C: Applied Statistics

Statistics in Medicine

Statistical Methods in Medical Research

Journal of Statistical Planning and Inference

Computational Statistics and Data Analysis

Biometrical Journal

Technometrics

American Journal of Epidemiology

Lifetime Data Analysis

Journal of Official Statistics

Australian and New Zealand Journal of Statistics

Archives of General Psychiatry

Biological Psychiatry

Psychopharmacology

Journal of Psychiatric Research

British Journal of Psychiatry

BMC Psychiatry

Bipolar Disorders

Nicotine and Tobacco Research

Addiction

GRANT REVIEWS:

NIMH Special emphasis panels: October 13-14, 2004, Alexandria, VA; June 14-15,
2005, Pentagon City, VA; February 8-9, 2006, Arlington, VA, June 2, 2005; July 19,
2006, February 15, 2007, April 4, 2007.

ZonMw - The Netherlands Organisation of Health Research and Development,
Prevention Programme, March 2006.

TEACHING EXPERIENCE:

Introductory Statistics Part II: Fall 1999, Department of Statistics, University of Florida

Statistical Methods in Medical Research: Fall 2001, Fall 2005, Department of Psychiatry, Yale University

Applied Regression Analysis: Fall 2004, Fall 2005, Department of Epidemiology and Public Health, Yale University

OTHER ACTIVITIES:

Associate Editor of Journal of the Royal Statistical Society, Series A: January 2007 – December 2010

Member of Editorial Board of Biological Psychiatry, July 2007 – June 2010

Editor of Central European Journal of Medicine in the area of Clinical Trials: October 2005 – current

Member of the International Program Committee for the International Biometrics Society Conference, Dublin 2008

Chair of the Short Course Committee for the International Biometrics Society Conference, Dublin 2008

Co-organizer of Annual Statistics in Psychiatry Symposium, NY State Psychiatric Institute: May 11, 2004; May 17, 2005; May 23, 2006

Invited participant in NIH-sponsored workshop “Developing Good Practices and Ideas for Integrating the Clinical and Statistical Elements in the Review of Treatment Related Grant Applications”, The Watergate Hotel, Washington, DC, October 12, 2004

Invited speaker in NIA-sponsored workshop “Statistical Methods for Longitudinal Data on Aging”, Bethesda, MD, June 13-14, 2007

Member of Data Safety and Monitoring Board for Prodromal Research Clinical Trials at Yale University, and for Treatment of Hypochondriasis with CBT and/or SSRI at New York State Psychiatric Institute

Publication Officer of the Biometrics Section of the American Statistical Association: 2007-2008

Member of Admissions Committee for MPH program and Liaison Committee for combined BA/BS-MPH degree program at Yale University

BIBLIOGRAPHY

PEER-REVIEWED JOURNAL PUBLICATIONS:

1. Tchernev VT, Barbosa MDFS, Detter JC, Patel TP, Achey K, Wakeland EK, **Gueorguieva RV**, Yang M, Gossler A, Kingsmore SF (1997). "Genetic mapping of 20 novel expressed sequence tags from midgestation mouse embryos suggests chromosomal clustering". *Genomics* 40:170-174.
2. Resnick MB, **Gueorguieva RV**, Carter RL, Ariet M, Sun Y, Roth J, Bucciarelli R, Mahan CS (1999). "The impact of low birthweight, perinatal conditions and sociodemographics on educational outcomes." *Pediatrics* 104.
3. **Gueorguieva RV** (2001). "A multivariate generalized linear mixed model for joint modelling of clustered outcomes in the exponential family". *Statistical Modeling: An International Journal* 1:177-194.
4. Epperson N, Czarkowski KA, Ward-O'Brien D, Weiss E, **Gueorguieva RV**, Jatlow P, Anderson GM (2001). "Maternal sertraline treatment and serotonin transport in breast-feeding mother-infant pairs." *American Journal of Psychiatry* 158:1631-1637.
5. **Gueorguieva RV**, Carter RL, Ariet M, Roth J, Mahan CS, Resnick MB (2001). "The effect of teenage pregnancy on educational disabilities in kindergarten." *American Journal of Epidemiology* 154:212-220.
6. **Gueorguieva RV**, Agresti A (2001). "Correlated probit model for multivariate repeated measures of a binary and a continuous response". *Journal of the American Statistical Association* 96:1102-1112.
7. Abi-Saab W, Seibyl JP, D'Souza DC, Karper LP, **Gueorguieva RV**, Abi-Dargham A, Wong ML, Rajhans S, Erdos JP, Heninger GR, Charney DS, Krystal JH (2002). "Ritanserin antagonism of m-chlorophenylpiperazine (mCPP) effects in neuroleptic-free schizophrenic patients: support for serotonin-2 receptor modulation in schizophrenia symptoms." *Psychopharmacology* 162(1):55-62..
8. Epperson CN, Haga K, Appel M, Sellers E, **Gueorguieva RV**, Schmidt P, Krystal JH, Mason G (2002). "Cortical [Gamma]-Aminobutyric Acid levels across the menstrual cycle in healthy women and those with premenstrual dysphoric disorder: a proton magnetic resonance spectroscopy study." *Archives of General Psychiatry* 59:851-858.
9. Boutros NN, **Gueorguieva R**, Hoffman RE, Oren D, Feingold A, Berman RM. (2002) "Lack of a therapeutic effect of a two-week subthreshold transcranial magnetic stimulation course for treatment-resistant depression." *Psychiatry Research* 113(3):245-254.
10. **Gueorguieva RV**, Sarkar NP, Carter RL, Ariet M, Roth J, Resnick MB (2003). "A risk assessment screening test for very low birth weight." *Maternal and Child Health Journal* 7(2):127-136.
11. Hoffman RH, Hawkins KA, **Gueorguieva R**, Boutros NN, Rachid F, Carroll K, Krystal JH (2003). "Transcranial magnetic stimulation of left temporoparietal cortex and medication-resistant auditory hallucinations." *Archives of General Psychiatry* 60:49-56.
12. Lipschitz DS, Rasmusson AM, Anyan W, **Gueorguieva R**, Billingslea EM, Cromwell PF, Southwick SM (2003). "PTSD and substance use in adolescent girls." *Journal of Nervous and Mental Disease* 191(11): 714-21.
13. Krystal JH, Petrakis IL, Limoncelli D, Webb E, **Gueorguieva R**, D'Souza C, Boutros NN, Trevisan L, Charney DS (2003). "Altered NMDA glutamate receptor antagonist response in recovering ethanol dependent patients." *Neuropsychopharmacology* 28: 2020-2028.
14. Lipschitz DS, Rasmusson AM, Yehuda R, Wang S, Anyan W, **Gueorguieva R**, Grilo CM, Fehon DC, Southwick SM (2003). "Salivary cortisol responses to dexamethasone in adolescents with posttraumatic stress disorder." *Journal of the American Academy of Child and Adolescent Psychiatry* 42(11): 1310-1317.

15. **Gueorguieva RV**, Krystal J (2004). "Move Over ANOVA: Progress in analyzing repeated measures data and its reflection in papers published in the Archives of General Psychiatry." *Archives of General Psychiatry* 61: 310-317.
16. Perry EB, Gil R, Miles D, Brenner L, MacDougall L, Johnson R, Degen K, **Gueorguieva R**, Petrakis IL, Krystal JH, D'Souza DC. (2004) "Mazindol augmentation of antipsychotic treatment for schizophrenic patients with comorbid cocaine abuse or dependence: a preliminary double-blind randomized, placebo controlled trial." *Journal of Dual Diagnosis* 1(1): 37-47.
17. Goddard AW, Mason GF, Rothman DL, **Gueorguieva R**, Behar KL, Krystal JH (2004). "Impaired GABA neuronal response to benzodiazepine administration in panic disorder." *American Journal of Psychiatry* 161:2186-2193.
18. Petrakis IL, Limoncelli D, **Gueorguieva R**, Jatlow P, Boutros NN, Trevisan L, Gelernter J, Krystal JH (2004). "Altered NMDA glutamate receptor antagonist response in individuals with a family vulnerability to alcoholism." *American Journal of Psychiatry* 161:1776-1782.
19. Sanacora G, **Gueorguieva R**, Epperson CN, Wu YT, Appel M, Rothman DL, Krystal JH, Mason G (2004). "Amino acid neurotransmitter abnormalities associated with major depression: differential metabolic changes in subtypes of major depression." *Archives of General Psychiatry* 61, 705-713.
20. D'Souza DC, Perry E, MacDougall L, Ammerman Y, Cooper T, Wu YT, Braley G, **Gueorguieva R**, Krystal JH (2004). "The psychotomimetic effects of intravenous Delta-9-Tetrahydrocannabinol in healthy individuals: implications for psychosis." *Neuropsychopharmacology* 29, 1558-1572.
21. Sanacora G, Berman RM, Cappiella A, Oren D, Kugaya A, Liu N, **Gueorguieva R**, Fasula D, Charney D (2004). "Addition of the α_2 -antagonist yohimbine to fluoxetine: effects on rate of antidepressant response." *Neuropsychopharmacology* 29: 1166-1171.
22. Cho HS, D'Souza DC, **Gueorguieva R**, Perry EB, Madonick S, Karper LP, Abi-Dargham A, Belger A, Abi-Saab W, Cassello K, Lipschitz D, Bennet A, Seibyl JP, Krystal JH. (2005) "Absence of behavioral sensitization in healthy human subjects following repeated exposure to ketamine". *Psychopharmacology* 179:136-143.
23. Krystal JH, Abi-Saab W, Perry E, D'Souza C, Liu N, **Gueorguieva R**, McDougall L, Hunsberger T, Belger A, Levine L, Breier A. (2005) "Preliminary evidence of attenuation of the disruptive effects of the NMDA glutamate receptor antagonist, ketamine, on working memory by pretreatment with the group II metabotropic glutamate receptor (mGluR) agonist, LY354740, in healthy human subjects." *Psychopharmacology* 179: 303-309.
24. Cavus I, Kasoff W, Cassaday M, Jakob R, **Gueorguieva R**, Sherwin R, Krystal J, Spenser D, Abi-Saab W. (2005) "Extracellular metabolites in the cortex and hippocampus of epileptic patients." *Annals of Neurology* 57(2): 226-235.
25. Epperson CN, O'Malley S, Czarkowski K, **Gueorguieva R**, Rothman DL, Sanacora G, Krystal J, Mason G. (2005) "Sex, Nicotine and GABA: The impact of smoking on cortical gamma-aminobutyric acid levels as measured with 1H-MRS." *Biological Psychiatry* 57:44-48.
26. Sughondhabirrom A, Jain D, **Gueorguieva R**, Coric V, Berman R, Lynch WL, Sell D, Jatlow P, Malison RT. (2005) "A paradigm to investigate the regulation of cocaine self-induced administration in humans using patient-controlled analgesia techniques". *Psychopharmacology* 180:436-446.
27. D'Souza DC, Abi-Saab, WM, Madonick S, Forselius-Bielen K, Doersch A, Braley G, **Gueorguieva R**, Cooper TB, Krystal JH. (2005) "Delta-9-Tetrahydrocannabinol effects in schizophrenia: implications for cognition, psychosis and addiction." *Biological Psychiatry* 27(6):594-608.

28. Hoffman RE, **Gueorguieva R**, Hawkins KA, Varanko M, Boutros N, Wu Y, Carroll K, Krystal JH (2005). "Temporoparietal transcranial magnetic stimulation for auditory hallucinations: safety, efficacy and moderators in a fifty patients sample." *Biological Psychiatry* 58:97-104.
29. Staley JK, Gottschalk C, Petrakis IL, **Gueorguieva R**, Baldwin R, Jatlow P, Nicolaas PL, Verhoeff G, Perry E, Weinzimmer D, Frohlich E, Ruff E, Seibyl JP, Innis RB, Krystal JH (2005). "Cortical GABAA/Benzodiazepine receptors in recovery from alcohol dependence. Relationship to features of alcohol dependence and cigarette smoking." *Archives of General Psychiatry* 62:877-888.
30. **Gueorguieva R**. (2005) "Comments about joint modeling of cluster size and binary and continuous subunit-specific outcomes". *Biometrics* 61(3):862-867.
31. Krystal JH, Perry E, **Gueorguieva R**, Belger A, Madonick S, Casselo K, MacDougall L, Abi-Saab W, D'Souza DC. (2005) "Comparative and interactive human psychopharmacologic effects of ketamine and amphetamine: implication for glutamatergic and dopaminergic model psychoses and cognitive function." *Archives of General Psychiatry* 62:985-995.
32. Woods SW, **Gueorguieva R**, Baker CB, Makuch RW. (2005) "Control group bias in randomized atypical antipsychotic trials for schizophrenia." *Archives of General Psychiatry* 62:975-983.
33. Lipschitz DS, Mayes LM, Rasmusson AM, Anyan W, Billingslea E, **Gueorguieva R**, Southwick SM. (2005) "Baseline and modulated acoustic startle responses in adolescent girls with posttraumatic stress disorder." *Journal of American Academy of Child and Adolescent Psychiatry (JAACAP)* 44(8):807-814.
34. Coric V, Taskiran S, Wasyluk S, Mathalon DH, Valentine G, Saksa J, Wu Y, **Gueorguieva R**, Sanacora G, Malison RT, Krystal JH. (2005) "Riluzole pharmacotherapy for treatment-resistant OCD: an open label trial." *Biological Psychiatry* 58:424-428.
35. Blumberg HP, Donegan NH, Sanislow CA, Collins S, Lacadie C, Skudlarski P, **Gueorguieva R**, Fulbright RK, McGlashan TH, Wexler BE, Gore JC, Krystal JH. (2005) "Preliminary evidence for medication effects on functional abnormalities in the amygdale and anterior cingulate in bipolar disorder." *Psychopharmacology* 183(3):308-313.
36. Mason GF, Petrakis IL, de Graaf RA, Appel M, **Gueorguieva R**, Ruff E, Coric V, Epperson CN, Rothman DL, Krystal JH. (2006) "Cortical GABA levels and the recovery from alcohol dependence: Preliminary evidence of modification by cigarette smoking." *Biological Psychiatry* 59:85-93.
37. **Gueorguieva RV**, Sanacora G. (2006) "Joint analysis of repeatedly observed continuous and ordinal measures of disease severity." *Statistics in Medicine* 25; 1307-1322.
38. Lynch WJ, Sughondhabirrom, Pittman B, **Gueorguieva R**, Joshua D, Morgan P, Coric V, Malison B. (2006). "A paradigm to investigate the regulation of cocaine self-administration in human cocaine users: a fully randomized trial." *Psychopharmacology* 185: 306-314.
39. Kalayasiri R, Sughondhabirrom A, **Gueorguieva R**, Coric V, Lynch W, Morgan P, Cubells J, Malison RT. (2006). "Self-reported paranoia during "binge" cocaine self-administration in humans." *Pharmacology, Biochemistry and Behavior* 83: 249-256.
40. Krystal JH, Madonick S, Perry E, **Gueorguieva R**, Brush L, Wray Y, Belger A, D'Souza DC. (2006). "Potentiation of low dose ketamine effects by naltrexone: potential implications for the pharmacotherapy of alcoholism." *Neuropsychopharmacology* 31:1793-1800.
41. Epperson CN, **Gueorguieva R**, Czarkowski KA, Stiklus S, Sellers E, Krystal JH, Rothman D, Mason GF. (2006) "Preliminary evidence of reduced occipital GABA concentrations in puerperal women: a 1H-MRS Study." *Psychopharmacology* 186(3): 425-433.

42. Ralevski E, **Gueorguieva R**, Limoncelli DD, Husein R, Jane S, Petrakis I. (2006) "Gelatin shots as a new method for alcohol administration in a laboratory setting." *Alcoholism – Clinical and Experimental Research* 30(3): 473-479.
43. Amin Z, **Gueorguieva R**, Cappiello A, Czarkowski KA, Stiklus S, Anderson GM, Epperson CN. (2006) "Estradiol and tryptophan depletion interact to modulate cognition in menopausal women." *Neuropsychopharmacology* 31(11): 2489-2497.
44. D'Souza DC, Gil R, Madonick S, Forselius-Bielen K, Braley G, Donahue L, Tellioglu T, Zimolo Z, **Gueorguieva R**, Krystal JH. (2006) "Enhanced sensitivity to the euphoric effects of alcohol in schizophrenia". *Neuropsychopharmacology* 31(12): 2767-2775.
45. Kalayasiri R, Kranzler HR, Weiss R, Brady K, **Gueorguieva R**, Panhuysen C, Yand BZ, Farrer L, Gelernter J, Malison RT. (2006) "Risk factors for cocaine-induced paranoia in cocaine-dependent sibling pairs." *Drug and Alcohol Dependence* 84(1): 77-84.
46. **Gueorguieva RV** (2006). "Correlated probit model." *Encyclopedia of Biopharmaceutical Statistics*. 10.1081/E-EBS-120041045: 1-10.
47. Krypitsky E, Neznanova O, Masalov D, Burakov A, Didenko T, Romanova T, Tsoy M, Bepalov A, Slavina T, Grinenko A, Petrakis I, Pittman B, **Gueorguieva R**, Zvartau EE, Krystal JH (2007). "The NMDA receptor antagonist, memantine, reduces cue-induced alcohol craving despite producing ethanol-like subjective effects in recovering alcohol dependent patients." *American Journal of Psychiatry* 164(3):519-523.
48. Pittman B, **Gueorguieva R**, Krupitsky E, Rudenko AA, Flannery BA, Krystal JH. (2007) "Multidimensionality of the alcohol withdrawal symptom checklist: a factor analysis of the alcohol withdrawal symptom checklist and CIWA-Ar." *Alcoholism: Clinical and Experimental Research* 31(4): 612-618.
49. Krypitsky EM, Rudenko AA, Burakov AM, Slavina TY, Grinenko AA, Pittman B, **Gueorguieva R**, Petrakis IL, Zvartau EE, Krystal JH. (2007) "Antiglutamatergic strategies for ethanol detoxification: comparison to placebo and diazepam." *Alcoholism: Clinical and Experimental Research* 31(4): 604-611.
50. Gelernter J, **Gueorguieva R**, Kranzler H, Zhang H, Cramer J, Rosenheck R, Krystal JH. (2007) "Opioid receptor gene (*OPRM1*, *OPRK1*, and *OPRD1*) variants and response to naltrexone treatment for alcohol dependence: Results from the VA Cooperative Study." *Alcoholism: Clinical and Experimental Research* 31(4): 555-563.
51. **Gueorguieva R**, Wu R, Pittman B, Cramer J, Rosenheck R, O'Malley S, Krystal J. (2007) "New Insights into the Efficacy of Naltrexone Based on Trajectory-Based Reanalyses of Two Negative Clinical Trials." *Biological Psychiatry* 61: 1290-1295.
52. Kalayasiri R, Sughondhabiroom A, **Gueorguieva R**, Coric V, Lynch W, Lappalainen J, Glernter J, Cubells JF, Malison RT. (2007) "DBH C-1021T influences self-reported paranoia during cocaine self-administration." *Biological Psychiatry* 61:1310-1313.
53. Ralevski E, Balachandra K, **Gueorguieva R**, Limoncelli D, Petrakis I. "Effects of naltrexone on cognition in a treatment study of patients with schizophrenia and comorbid alcohol dependence." In press, *Journal of Dual Diagnosis*.
54. Gunduz-Bruce H, Narr KL, **Gueorguieva R**, Toga AW, Cseszko PR, Ashtari M, Robinson DG, Kane JM, Bilder RM. "CSF sub-compartments in patients with first episode schizophrenia and healthy control subjects: an investigation in relation to plasma Na and osmolality." In press, *Psychiatry Research Neuroimaging*.
55. Gunduz-Bruce H, Szeszko P, **Gueorguieva R**, Ashtari M, Robinson DG, Kane JM, Bilder RM.

"Cortisol levels in relation to hippocampal sub-regions in subjects with first episode schizophrenia." In press, *Schizophrenia Research*.

ABSTRACTS AND PROCEEDINGS PUBLICATIONS:

1. **Gueorguieva R**, Carter R, Ariet M, Sun Y, Roth J, Resnick M (1997). "A statewide assessment of sociodemographic and perinatal risk factors for educational disabilities." *Third Annual Florida Epidemiology Meeting*, Miami Beach, Florida, USA.
2. **Gueorguieva R** (1998). "Extensions of generalized linear mixed models for multiple response variables." *Joint Statistical Meeting*, Dallas, Texas, USA, p.208.
3. **Gueorguieva R**, Carter R, Roth J, Ariet M, Resnick M. (1998). "Are children of teenage mothers really at increased risk for educational morbidity when controlling for other risk factors?" *Fourth Annual Florida epidemiology Meeting*, Tallahassee, Florida, USA.
4. **Gueorguieva R** (1998). "Generalized linear mixed models for repeated measurements of a multivariate response." *SRCOS/ASA 1998 Summer Research Conference in Statistics*, Navarre Beach, Florida, USA.
5. **Gueorguieva RV**, Agresti A (1999). "Models for repeated measurements of a multivariate response." *1999 Spring Meeting of the International Biometrics Society, Eastern North American Region (ENAR)*, Atlanta, Georgia, USA, p.197.
6. **Gueorguieva R**, Carter RL, Resnick MB, Roth J, Ariet M, Mahan C (1999). "An application of multinomial regression modeling to assess the effects of teenage pregnancy on educational morbidity." 7th Biennial CDC and ATSDR Symposium on Statistical Methods, Atlanta, GA 1999, p.104.
7. Resnick MB, **Gueorguieva RV**, Carter RL, Roth J, Mahan CS (1999). "The impact of low birthweight, other perinatal conditions and sociodemographic on educational morbidity." 7th Biennial CDC and ATSDR Symposium on Statistical Methods, Atlanta, GA 1999, p.105.
8. **Gueorguieva R (2001)**. "Random effects models for clustered discrete and continuous outcomes." *2001 Spring Meeting of the International Biometrics Society, Eastern North American Region (ENAR)*, Charlotte, North Carolina, USA, p.166.
9. Woods SW, **Gueorguieva RV**, Makuch RW (2002). "Influence of control group design on outcome in recent antipsychotic clinical trials for schizophrenia." *Schizophrenia Research* 53(suppl 3):20.
10. **Gueorguieva RV** (2003). "Joint mixed models for discrete and continuous outcomes." *2003 Spring Meeting of the International Biometrics Society, Eastern North American Region (ENAR)*, Tampa, Florida, USA, p.211.
11. Hoffman RE, Hampson M, Buchanan R, Anderson A, Kun W, Nash BN, **Gueorguieva R**, Spencer DD, Krystal JH (2003). "One hertz rTMS delivered to speech processing neurocircuitry reduces auditory hallucinations in patients with schizophrenia or schizoaffective disorder." *Biological psychiatry* 53(8):299 Suppl. S. Apr 15 2003.
12. Krystal JH, Petrakis IL, D'Souza DC, Limoncelli D, Webb E, Trevisan L, Boutros N, **Gueorguieva R**, Charney D (2003). "Alterations in NMDA receptor antagonist response associated with human alcohol dependence and familial risk for alcohol dependence." *Behavioral pharmacology* 14: S6-S7 Suppl. 1 Sep.
13. Hoffman RE, Hawkins KA, Anderson AW, Buchanan R, Wu K, Hampson M, **Gueorguieva R**, Carroll KM, Spencer DD, Krystal JH (2003). One hertz repetitive transcranial magnetic stimulation delivered to brain areas underlying speech perception reduces persistent auditory hallucinations. *Schizophrenia research* 60(1):285-286 Suppl. S.

14. **Gueorguieva RV**, Sanacora G (2003). "A latent variable model for joint analysis of repeatedly measured ordinal and continuous outcomes." In: *Proceedings of the 18th International Workshop on Statistical Modelling*, Verbeke G, Molenberghs G, Aerts A, and Fieuws S (Eds.). Leuven: Katholieke Universiteit Leuven, pp 171-176.
15. Gunduz-Bruce H, Narr KL, Toga AW, Szeszko PR, Gueorguieva R, Ashtari M, Robinson D, Kane JM, Bilder RM (2004). "Physiological correlated of brain morphology in patients with schizophrenia and healthy comparison subjects." *Biological Psychiatry* 55: 219S-219S: 782 Suppl. 8 Apr 15.
16. Mason GF, Petrakis IL, de Graaf RA, Appel M, **Gueorguieva R**, Ruff E, Coric V, Epperson CN, Rothman DL, Krystal JH (2004). "Occipital cortex choline levels are associated with age of alcoholism onset." *Alcoholism – Clinical and Experimental Research* 28(5): 120A-120A Suppl. S May 2004.
17. Petrakis IL, Limoncelli D, **Gueorguieva R**, Jatlow P, Boutros NN, Trevisan L, Gelernter J, Krystal JH (2004). "NMDA antagonist responses in individuals with a family vulnerability to alcoholism." *Alcoholism – Clinical and Experimental Research* 28(5): 177A-177A Suppl. S May 2004.
18. Krystal JH, Staley J, Mason G, Petrakis IL, Coric V, Ruff E, **Gueorguieva R**, Baldwin R, Gottschalk C, Seibyl JP (2004). "Time-dependent and complementary changes in cortical GABA-A receptors and GABA levels assessed during the recovery from alcohol dependence in humans by SPECT and MRS: Impact of smoking." *Alcoholism – Clinical and Experimental Research* 28(5): 186A-186A Suppl. S May 2004.
19. **Gueorguieva RV**, Wu YT, Krystal J. (2004). "Statistical issues in the analysis of experimental psychopharmacology studies." *2004 Spring Meeting of the International Biometrics Society, Eastern North American Region (ENAR)*, Pittsburgh, Pennsylvania, USA, p.295.
20. **Gueorguieva RV** (2004). "Correlated probit models for joint longitudinal analysis of ordinal and continuous outcomes." *International Conference on Statistics in Health Sciences*, Auget JL, Balakrishnan N, Mesbah M, Molenberghs G (Eds). Nantes, France, pp. 56-58.
21. **Gueorguieva RV** (2004). "Joint modelling of cluster size and binary and continuous outcomes." In: *Proceedings of the 19th International Workshop on Statistical Modelling*, Biggeri A, Dreassi E, Lagazio C, and Marchi M (Eds.). Florence: Firenze University Press, pp 199-203.
22. Epperson CN, **Gueorguieva R**, Krystal JH, Heninger G, Amin Z (2004). "Using the tryptophan depletion paradigm to examine the relationship between estrogen and serotonin in modulating mood and cognition in menopausal women." *Neuropsychopharmacology* 29: S127-S128.
23. Kalayasiri R, Kranzler HR, **Gueorguieva R**, Yang BZ, Weiss RD, Brady K, Farrer LA, Gelernter J, Malison RT (2004). "Risk factors for cocaine-induced paranoia in cocaine-dependent sibling pairs." *Neuropsychopharmacology* 29: S132-S132.
24. Gunduz-Bruce H, Narr KL, **Gueorguieva R**, Toga AW, Szeszko PR, Ashtari M, Robinson D, Kane JM, Bilder RM (2005). "Physiological correlated of brain morphology in patients with schizophrenia and healthy comparison subjects." *Schizophrenia Bulletin* 31(2): 390-391.
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