

Antonio Drago  
Klinisk lektor, Overlæge  
Aalborg Universitetshospital  
Klinisk Institut  
Det Sundhedsvidenskabelige Fakultet  
Det Sundhedsvidenskabelige Fakultet  
Psykiatrien  
**Adresstype: Besøgsadresse.**  
Søndre Skovvej 15  
9000  
Aalborg  
Danmark  
**E-mail:** a.drago@rn.dk, adrago@dcm.aau.dk



## Ansættelse

**Aalborg Universitetshospital**  
Det Sundhedsvidenskabelige Fakultet  
1 sep. 2018 → present

### Klinisk lektor

Klinisk lektor  
Klinisk Institut  
Det Sundhedsvidenskabelige Fakultet  
Gistrup, Danmark  
1 sep. 2018 → 31 dec. 4712

### Klinisk lektor

Klinisk lektor  
Det Sundhedsvidenskabelige Fakultet  
Gistrup, Danmark  
1 sep. 2018 → 31 dec. 4712

### Det Sundhedsvidenskabelige Fakultet

Gistrup, Danmark  
1 sep. 2018 → present

### Overlæge

Psykiatrien  
Det Sundhedsvidenskabelige Fakultet  
1 sep. 2018 → present

## Publikationer

### **Genetics of suicide ideation. A role for inflammation and neuroplasticity?**

Turiaco, F., Iannuzzo, F., Bruno, A. & Drago, A., okt. 2024, I: European Archives of Psychiatry and Clinical Neuroscience. 274, 7, s. 1527-1541 15 s.

### **Genetic underpinnings of YMRS and MADRS scores variations in a bipolar sample**

Calabró, M., Drago, A. & Crisafulli, C., 23 sep. 2024, (E-pub ahead of print) I: European Archives of Psychiatry and Clinical Neuroscience. 12 s.

### **Genetic signatures of suicide attempt behavior: insights and applications**

Drago, A., 8 feb. 2024, I: Expert Review of Proteomics. 21, 1-3, s. 41-53 13 s.

**Genetic underpinnings of YMRS and MADRS scores variations in a bipolar sample**

Calabrò, M., Crisafulli, C. & Drago, A., mar. 2023, I: *European Psychiatry*. 66, Suppl. 1, s. S386-S387 EPP0534.

**The effect of music to improve sleep quality in depression related insomnia**

Lund, H. N., Pedersen, I. N., Heymann-Szlachcinska, A., Tuszewska, M., Bizik, G., Larsen, J. I., Drago, A., Kulhay, E., Larsen, A., Sørensen, H. Ø., Grønbech, B., Bertelsen, L. R., Valentin, J. B., Mainz, J., Johnsen, S. P., Hannibal, N. & MacDonald, R., mar. 2023, I: *European Psychiatry*. 66, Suppl. 1, s. S220 EPP0182.

**Music to improve sleep quality in adults with depression-related insomnia (MUSTAFI): randomized controlled trial**

Lund, H. N., Pedersen, I. N., Heymann-Szlachcinska, A. M., Tuszewska, M., Bizik, G., Larsen, J. I., Drago, A., Kulhay, E., Larsen, A., Sørensen, H. Ø., Grønbech, B., Bertelsen, L. R., Valentin, J. B., Mainz, J. & Johnsen, S. P., feb. 2023, I: *Nordic Journal of Psychiatry*. 77, 2, s. 188-197 10 s.

**Body weight changes and bipolar disorder: a molecular pathway analysis**

Calabrò, M., Briuglia, S., Crisafulli, C. & Drago, A., 1 dec. 2022, I: *Pharmacogenetics and Genomics*. 32, 9, s. 308-320 13 s.

**Suicide Related Phenotypes in a Bipolar Sample: Genetic Underpinnings**

Lybech, L. K. M., Calabrò, M., Briuglia, S., Drago, A. & Crisafulli, C., 23 sep. 2021, I: *Genes*. 12, 10, 1482.

Molecular pathway analysis associates alterations in obesity-related genes and antipsychotic-induced weight gain  
Corfitsen, H. T., Krantz, B., Larsen, A. & Drago, A., apr. 2020, I: *Acta Neuropsychiatrica*. 32, 2, s. 72-83 12 s.

Enriched developmental biology molecular pathways impact on antipsychotics-induced weight gain  
Corfitsen, H. T. & Drago, A., jan. 2020, I: *Pharmacogenetics and Genomics*. 30, 1, s. 9-20 12 s.

A molecular pathway analysis informs the genetic risk for arrhythmias during antipsychotic treatment  
Drago, A. & Kure Fischer, E., jan. 2018, I: *International Clinical Psychopharmacology*. 33, 1, s. 1-14 14 s.

A molecular pathway analysis stresses the role of inflammation and oxidative stress towards cognition in schizophrenia  
Fischer, E. K. & Drago, A., jul. 2017, I: *Journal of Neural Transmission*. 124, 7, s. 765-774 10 s.

Videoconferencing in psychiatry, a meta-analysis of assessment and treatment  
Drago, A., Winding, T. N. & Antypa, N., aug. 2016, I: *European Psychiatry*. 36, s. 29-37 9 s.

Hippocampal Pruning as a New Theory of Schizophrenia Etiopathogenesis  
Cocchi, E., Drago, A. & Serretti, A., apr. 2016, I: *Molecular Neurobiology*. 53, 3, s. 2065-2081 17 s.

The microtubule-associated molecular pathways may be genetically disrupted in patients with Bipolar Disorder. Insights from the molecular cascades  
Drago, A., Crisafulli, C., Sidoti, A., Calabrò, M. & Serretti, A., 15 jan. 2016, I: *Journal of Affective Disorders*. 190, s. 429-438 10 s.

Genes involved in pruning and inflammation are enriched in a large mega-sample of patients affected by Schizophrenia and Bipolar Disorder and controls  
Calabrò, M., Marco, C., Drago, A., Antonio, D., Sidoti, A., Antonina, S., Serretti, A., Alessandro, S., Crisafulli, C. & Concetta, C., 30 aug. 2015, I: *Psychiatry Research*. 228, 3, s. 945-955 5 s.

Enrichment pathway analysis. The inflammatory genetic background in Bipolar Disorder  
Drago, A., Crisafulli, C., Calabrò, M. & Serretti, A., 1 jul. 2015, I: *Journal of Affective Disorders*. 179, s. 88-94 7 s.

A molecular pathway analysis informs the genetic background at risk for schizophrenia  
Crisafulli, C., Drago, A., Calabrò, M., Spina, E. & Serretti, A., 3 jun. 2015, I: Progress in Neuro-Psychopharmacology & Biological Psychiatry. 59, s. 21-30 10 s.

A molecular pathway analysis of the glutamatergic-monoaminergic interplay serves to investigate the number of depressive records during citalopram treatment  
Drago, A., Cocchi, E., Crisafulli, C. & Serretti, A., mar. 2015, I: Journal of Neural Transmission. 122, 3, s. 465-75 11 s.

A model to investigate SNPs' interaction in GWAS studies  
Cocchi, E., Drago, A., Fabbri, C. & Serretti, A., jan. 2015, I: Journal of Neural Transmission. 122, 1, s. 145-53 9 s.

CRY1 Variations Impacts on the Depressive Relapse Rate in a Sample of Bipolar Patients  
Drago, A., Monti, B., De Ronchi, D. & Serretti, A., jan. 2015, I: Psychiatry investigation. 12, 1, s. 118-24 7 s.

Alexithymia and personality in patients with anxiety disorders and major depression: Effects on treatment outcome  
Alessitimia e personalità in pazienti con disturbi d'ansia e depressione maggiore: Influenze sull'outcome di trattamento  
Mori, E., Drago, A., De Ronchi, D. & Serretti, A., 2015, I: Journal of Psychopathology.

DISC1-TSNAX and DAOA genes in major depression and citalopram efficacy  
Arias, B., Fabbri, C., Serretti, A., Drago, A., Mitjans, M., Gastó, C., Catalán, R. & Fañanás, L., okt. 2014, I: Journal of Affective Disorders. 168, s. 91-7 7 s.

PPP3CC gene: a putative modulator of antidepressant response through the B-cell receptor signaling pathway  
Fabbri, C., Marsano, A., Albani, D., Chierchia, A., Calati, R., Drago, A., Crisafulli, C., Calabrò, M., Kasper, S., Lanzenberger, R., Zohar, J., Juven-Wetzler, A., Souery, D., Montgomery, S., Mendlewicz, J. & Serretti, A., okt. 2014, I: The Pharmacogenomics Journal. 14, 5, s. 463-72 10 s.

Genome-wide association study supports the role of the immunological system and of the neurodevelopmental processes in response to haloperidol treatment  
Drago, A., Giegling, I., Schäfer, M., Hartmann, A. M., Konte, B., Friedl, M., Serretti, A. & Rujescu, D., jun. 2014, I: Pharmacogenetics and Genomics. 24, 6, s. 314-9 6 s.

Genomewide interaction and enrichment analysis on antidepressant response  
Antypa, N., Drago, A. & Serretti, A., mar. 2014, I: Psychological Medicine. 44, 4, s. 753-65 13 s.

The genetics of vascular incidents associated with second-generation antipsychotic administration  
Cocchi, E., Drago, A., de Ronchi, D. & Serretti, A., jan. 2014, I: Expert Review of Clinical Pharmacology. 7, 1, s. 75-90 16 s.

Genetic variations within metalloproteinases impact on the prophylaxis of depressive phases in bipolar patients  
Drago, A., Monti, B., De Ronchi, D. & Serretti, A., 2014, I: Neuropsychobiology. 69, 2, s. 76-82 7 s.

The role of COMT gene variants in depression: Bridging neuropsychological, behavioral and clinical phenotypes  
Antypa, N., Drago, A. & Serretti, A., sep. 2013, I: Neuroscience and Biobehavioral Reviews. 37, 8, s. 1597-610 14 s.

AKAP13, CACNA1, GRIK4 and GRIA1 genetic variations may be associated with haloperidol efficacy during acute treatment  
Drago, A., Giegling, I., Schäfer, M., Hartmann, A. M., Friedl, M., Konte, B., Möller, H.-J., De Ronchi, D., Stassen, H. H., Serretti, A. & Rujescu, D., aug. 2013, I: European Neuropsychopharmacology. 23, 8, s. 887-94 8 s.

Early antidepressant efficacy modulation by glutamatergic gene variants in the STAR\*D  
Fabbri, C., Drago, A. & Serretti, A., jul. 2013, I: European Neuropsychopharmacology. 23, 7, s. 612-21 10 s.

A genetic dissection of antipsychotic induced movement disorders

Crisafulli, C., Drago, A., Sidoti, A. & Serretti, A., 2013, I: *Current Medicinal Chemistry*. 20, 3, s. 312-30 19 s.

Alexithymia, personality and outcome: A naturalistic study in patients with major depression and anxiety disorders,

Alessitimia, personalità e outcome: Uno studio naturalistico in pazienti con depressione maggiore e disturbi d'ansia

Mori, E., Drago, A., De Ronchi, D. & Serretti, A., 2012, I: *Journal of Psychopathology*.

No association of a set of candidate genes on haloperidol side effects

Drago, A., Giegling, I., Schäfer, M., Hartmann, A. M., Möller, H.-J., De Ronchi, D., Stassen, H. H., Serretti, A. & Rujescu, D., 2012, I: *PLOS ONE*. 7, 10, s. e44853

The genetics of antipsychotic induced tremors: a genome-wide pathway analysis on the STEP-BD SCP sample

Drago, A., Crisafulli, C. & Serretti, A., dec. 2011, I: *American Journal of Medical Genetics. Part B: Neuropsychiatric Genetics*. 156B, 8, s. 975-86 12 s.

The molecular interaction between the glutamatergic, noradrenergic, dopaminergic and serotonergic systems informs a detailed genetic perspective on depressive phenotypes

Drago, A., Crisafulli, C., Sidoti, A. & Serretti, A., 1 sep. 2011, I: *Progress in Neurobiology*. 94, 4, s. 418-60 43 s.

Mechanisms of antidepressant action: an integrated dopaminergic perspective

Porcelli, S., Drago, A., Fabbri, C. & Serretti, A., 15 aug. 2011, I: *Progress in Neuro-Psychopharmacology & Biological Psychiatry*. 35, 7, s. 1532-43 12 s.

Specificity profile of paroxetine in major depressive disorder: meta-regression of double-blind, randomized clinical trials

Serretti, A., Gibiino, S. & Drago, A., jul. 2011, I: *Journal of Affective Disorders*. 132, 1-2, s. 14-25 12 s.

Sociodemographic features predict antidepressant trajectories of response in diverse antidepressant pharmacotreatment environments: a comparison between the STAR\*D study and an independent trial

Drago, A. & Serretti, A., jun. 2011, I: *Journal of Clinical Psychopharmacology*. 31, 3, s. 345-8 4 s.

Glutamatergic gene variants impact the clinical profile of efficacy and side effects of haloperidol

Giegling, I., Drago, A., Dolžan, V., Plesničar, B. K., Schäfer, M., Hartmann, A. M., Sander, T., Toliat, M. R., Möller, H.-J., Stassen, H. H., Rujescu, D. & Serretti, A., apr. 2011, I: *Pharmacogenetics and Genomics*. 21, 4, s. 206-16 11 s.

Lack of association between 71 variations located in candidate genes and response to acute haloperidol treatment

Giegling, I., Drago, A., Schäfer, M., Hartmann, A. M., Sander, T., Toliat, M. R., Möller, H.-J., De Ronchi, D., Stassen, H. H., Rujescu, D. & Serretti, A., apr. 2011, I: *Psychopharmacology*. 214, 3, s. 719-28 10 s.

Pharmacogenetics of antidepressant response

Porcelli, S., Drago, A., Fabbri, C., Gibiino, S., Calati, R. & Serretti, A., mar. 2011, I: *Journal of Psychiatry and Neuroscience*. 36, 2, s. 87-113 27 s.

Sociodemographic and treatment related variables are poor predictors of haloperidol induced motor side effects

Giegling, I., Drago, A., Schäfer, M., Möller, H.-J., Rujescu, D. & Serretti, A., 15 jan. 2011, I: *Progress in Neuro-Psychopharmacology & Biological Psychiatry*. 35, 1, s. 74-7 4 s.

Pharmacogenetics of antidepressants

Crisafulli, C., Fabbri, C., Porcelli, S., Drago, A., Spina, E., De Ronchi, D. & Serretti, A., 2011, I: *Frontiers in Pharmacology*. 2, s. 6

TAAR6 variations possibly associated with antidepressant response and suicidal behavior

Pae, C.-U., Drago, A., Kim, J.-J., Patkar, A. A., Jun, T.-Y., De Ronchi, D. & Serretti, A., 30 nov. 2010, I: *Psychiatry Research*. 180, 1, s. 20-4 5 s.

Interaction of haloperidol plasma level and antipsychotic effect in early phases of acute psychosis treatment  
Giegling, I., Drago, A., Schäfer, M., Möller, H.-J., Rujescu, D. & Serretti, A., jun. 2010, I: Journal of Psychiatric Research. 44, 8, s. 487-92 6 s.

No association between genetic markers in BDNF gene and lithium prophylaxis in a Greek sample  
Drago, A., Serretti, A., Smith, R., Huezo-Diaz, P., Malitas, P., Albani, D., Ronchi, D. D., Pae, C.-U. & Aitchison, K. J., jun. 2010, I: International Journal of Psychiatry in Clinical Practice. 14, 2, s. 154-7 4 s.

Investigation of an epistatic effect between a set of TAAR6 and HSP-70 genes variations and major mood disorders  
Pae, C.-U., Drago, A., Forlani, M., Patkar, A. A. & Serretti, A., 5 mar. 2010, I: American Journal of Medical Genetics. Part B: Neuropsychiatric Genetics. 153B, 2, s. 680-683 4 s.

HTR1B as a risk profile maker in psychiatric disorders: a review through motivation and memory  
Drago, A., Alboni, S., Brunello, N., Nicoletta, B., De Ronchi, D. & Serretti, A., jan. 2010, I: European Journal of Clinical Pharmacology. 66, 1, s. 5-27 23 s.

Alexithymia: Physiopathology, etiology and management, Alessitimia: Origini, cause e trattamento  
Mori, E., Drago, A., De Ronchi, D. & Serretti, A., 2010, I: Minerva Psichiatrica.

Effects of antidepressants on gene expression  
Drago, A., Ronchi, D. D. & Serretti, A., 2010

Pharmacogenetics of lithium long-term treatment: focus on initiation and adaptation mechanisms  
Serretti, A. & Drago, A., 2010, I: Neuropsychobiology. 62, 1, s. 61-71 11 s.

The 8th annual pharmacogenetics in psychiatry meeting report  
Aitchison, K., Serretti, A., Goldman, D., Curran, S., Drago, A. & Malhotra, A. K., dec. 2009, I: The Pharmacogenomics Journal. 9, 6, s. 358-61 4 s.

TAAR 6 and HSP-70 variations associated with bipolar disorder  
Pae, C.-U., Drago, A., Mandelli, L., De Ronchi, D. & Serretti, A., 20 nov. 2009, I: Neuroscience Letters. 465, 3, s. 257-61 5 s.

Epistasis between a set of variations located in the TAAR6 and HSP-70 genes toward schizophrenia and response to antipsychotic treatment  
Pae, C.-U., Drago, A., Patkar, A. A., Jun, T.-Y. & Serretti, A., nov. 2009, I: European Neuropsychopharmacology. 19, 11, s. 806-11 6 s.

Focus on HTR2C: A possible suggestion for genetic studies of complex disorders  
Drago, A. & Serretti, A., 5 jul. 2009, I: American Journal of Medical Genetics. Part B: Neuropsychiatric Genetics. 150B, 5, s. 601-37 37 s.

Epistasis between IL1A, IL1B, TNF, HTR2A, 5-HTTLPR and TPH2 variations does not impact alcohol dependence disorder features  
Drago, A., Liappas, I., Petio, C., Albani, D., Forloni, G., Malitas, P., Piperi, C., Politis, A., Tzavellas, E. O., Zisaki, K. K., Prato, F., Batelli, S., Polito, L., De Ronchi, D., Paparrigopoulos, T., Kalofoutis, A. & Serretti, A., jul. 2009, I: International Journal of Environmental Research and Public Health. 6, 7, s. 1980-90 11 s.

Association analysis of the tumor necrosis factor gene polymorphisms (TNFA 238 and 302) in the development of schizophrenia: Impact on the antipsychotic treatment response  
Pae, C.-U., Drago, A., Chiesa, A., Mandelli, L., Serretti, A. & Jun, T.-Y., 2009, I: Gene Therapy and Molecular Biology.

Lithium pharmacodynamics and pharmacogenetics: focus on inositol mono phosphatase (IMPase), inositol poliphosphatase (IPPase) and glycogen synthase kinase 3 beta (GSK-3 beta)  
Serretti, A., Drago, A. & De Ronchi, D., 2009, I: Current Medicinal Chemistry. 16, 15, s. 1917-48 32 s.

The impact of heat shock protein 70 gene variations on clinical presentation and outcome in schizophrenic inpatients  
Pae, C.-U., Drago, A., Kim, J.-J., Mandelli, L., De Ronchi, D. & Serretti, A., 2009, I: Neuropsychobiology. 59, 3, s. 135-41 7 s.

Thyroid hormone and affective disorders

Liappas, I., Drago, A., Zisakis, A. K., Malitas, P. N., Zisaki, A. K., Kalofoutis, A., Lea, R. W., Pantos, K. & Serretti, A., 2009, I: Clinical Neuropsychiatry.

TAAR6 variation effect on clinic presentation and outcome in a sample of schizophrenic in-patients: an open label study  
Pae, C.-U., Drago, A., Kim, J.-J., Patkar, A. A., Jun, T.-Y., Lee, C., Mandelli, L., De Ronchi, D., Paik, I.-H. & Serretti, A., sep. 2008, I: European Psychiatry. 23, 6, s. 390-5 6 s.

DTNBP1 haplotype influences baseline assessment scores of schizophrenic in-patients

Pae, C.-U., Drago, A., Kim, J.-J., Patkar, A. A., Jun, T.-Y., Lee, C., Mandelli, L., De Ronchi, D., Paik, I.-H. & Serretti, A., 1 aug. 2008, I: Neuroscience Letters. 440, 2, s. 150-4 5 s.

5-HT1A gene variants and psychiatric disorders: a review of current literature and selection of SNPs for future studies

Drago, A., Ronchi, D. D. & Serretti, A., aug. 2008, I: International Journal of Neuropsychopharmacology. 11, 5, s. 701-21 21 s.

Effect of the dysbindin gene on antimanic agents in patients with bipolar I disorder

Yun, D.-H., Pae, C.-U., Drago, A., Mandelli, L., De Ronchi, D., Patkar, A. A., Paik, I. H., Serretti, A. & Kim, J.-J., jun. 2008, I: Psychiatry investigation. 5, 2, s. 102-5 4 s.

SSRIs impact on sleep architecture: Guidelines for clinician use

Drago, A., 2008, I: Clinical Neuropsychiatry.

Strategy for a genetic assessment of antipsychotic and antidepressant-related proarrhythmia

Drago, A., De Ponti, F., Boriani, G., De Ronchi, D. & Serretti, A., 2008, I: Current Medicinal Chemistry. 15, 24, s. 2472-517 46 s.

Incomplete coverage of candidate genes: a poorly considered bias

Drago, A., De Ronchi, D. & Serretti, A., nov. 2007, I: Current genomics. 8, 7, s. 476-83 8 s.

HTR2A gene variants and psychiatric disorders: a review of current literature and selection of SNPs for future studies

Serretti, A., Drago, A. & De Ronchi, D., 2007, I: Current Medicinal Chemistry. 14, 19, s. 2053-69 17 s.

Dropout in institutional emotional crisis counseling and brief focused intervention

Marini, M., Semenzin, M., Vignaga, F., Gardiolo, M., Drago, A., Caon, F., Benetazzo, M., Pavan, C., Piotto, A., Federico, L., Corinto, B. & Pavan, L., 2005, I: Brief Treatment and Crisis Intervention.