Anti-Social Personality Disorder

Category	Publication	Title & Year	Affiliations
As a Neuro-Developmental Disorder	The Lancet – Child & Adolescent Health	Ensuring the rights of children with neurodevelopmental disabilities within child justice systems (2020)	1Department of Sociological Studies, University of Sheffield, Sheffield, UK; Centre for Adolescent Health, Murdoch Children's Research Institute, Melbourne, VIC, Australia. 2Independent legal consultant, London, UK. 3Department of Psychology, University of Exeter, Exeter, UK. 4Department of Health Psychology, Manchester Metropolitan University, Manchester, UK.

	Annual Review of Clinical Psychology	**Antisocial Personality as a Neurodevelopmental Disorder (2018)**	**Departments of Criminology, Psychiatry, and Psychology, University of Pennsylvania, Philadelphia, Pennsylvania 19104, USA**
	The British Journal of Psychiatry	**Neurodevelopmental marker for limbic maldevelopment in antisocial personality disorder and psychopathy (2010)**	**[1]Department of Criminology, University of Pennsylvania, Philadelphia, 19104, USA.**
Association with ADHD	**Nature Communications**	**Our results suggest an increased load of common risk variants in ADHD + DBDs (Disruptive Behavior Disorders) compared to ADHD without**	**ADHD Working Group of the Psychiatric Genomics Consortium (PGC)** **1The Lundbeck Foundation Initiative for Integrative Psychiatric Research, iPSYCH, Aarhus, Denmark. ditte@biomed.au.dk.**

		DBDs, which in part can be explained by variants associated with aggressive behavior. (2021)	2Center for Genomics and Personalized Medicine, Aarhus, Denmark. 3Department of Biomedicine - Human Genetics, Aarhus University, Aarhus, Denmark. 4Analytic and Translational Genetics Unit, Department of Medicine, Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA. 5Stanley Center for Psychiatric Research, Broad Institute of MIT and Harvard, Cambridge, MA, USA. 6The Lundbeck Foundation Initiative for Integrative Psychiatric Research, iPSYCH, Aarhus, Denmark. 7Center for Genomics and Personalized Medicine, Aarhus, Denmark.

			8Department of Biomedicine - Human Genetics, Aarhus University, Aarhus, Denmark. **9Department of Psychology, Emory University, Atlanta, GA, USA.** **10Bioinformatics Research Centre, Aarhus University, Aarhus, Denmark.** **11National Centre for Register-Based Research, Aarhus University, Aarhus, Denmark.** **12Psychiatric Genetics Unit, Group of Psychiatry, Mental Health and Addiction, Vall d'Hebron Research Institute (VHIR), Universitat Autònoma de Barcelona, Barcelona, Catalonia, Spain.** **13Department of Psychiatry, Hospital Universitari Vall d'Hebron, Barcelona, Catalonia, Spain.**

			14Biomedical Network Research Center on Mental Health (CIBERSAM), Instituto de Salud Carlos III, Madrid, Spain. 15Departament de Genètica, Microbiologia i Estadística, Facultat de Biologia, Universitat de Barcelona, Barcelona, Catalonia, Spain. 16Center for Neonatal Screening, Department for Congenital Disorders, Statens Serum Institut, Copenhagen, Denmark. 17GLOBE Institute, Center for GeoGenetics, University of Copenhagen, Copenhagen, Denmark. 18Institute of Biological Psychiatry, MHC Sct. Hans, Mental Health Services Copenhagen, Roskilde, Denmark.

			19Department of Clinical Medicine, University of Copenhagen, Copenhagen, Denmark. 20Copenhagen University Hospital, Mental Health Centre Copenhagen Mental Health Services in the Capital Region of Denmark, Hellerup, Denmark. 21Department of Clinical Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark. 22Psychosis Research Unit, Aarhus University Hospital, Aarhus, Denmark. 23Centre for Integrated Register-Based Research, Aarhus University, Aarhus, Denmark. 24Centro de Investigación Biomédica en Red de

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			Radboud University Medical Center, Nijmegen, The Netherlands. 30Departments of Psychiatry and of Neuroscience and Physiology, SUNY Upstate Medical University, Syracuse, NY, USA. 31The Lundbeck Foundation Initiative for Integrative Psychiatric Research, iPSYCH, Aarhus, Denmark. 32Center for Genomics and Personalized Medicine, Aarhus, Denmark. 33Department of Biomedicine - Human Genetics, Aarhus University, Aarhus, Denmark.
	Journal of Attention Disorders	The Association Between ADHD and Antisocial Personality	1Psychiatric Research Unit, Region Zealand, Holbæk, Denmark Child and Adolescent Psychiatric Department, Region Zealand, Holbæk, Denmark

		Disorder (ASPD): A Review (2016) "Conclusion: There is an increased risk for children with ADHD with or without comorbid CD (Conduct Disorder) to develop later onset of antisocial personality disorder."	2Child and Adolescent Psychiatric Department, Region Zealand, Holbæk, Denmark.
Genes	**Molecular Biology Reports**	The effects of 5-HTTLPR/rs25531 serotonin transporter gene polymorphisms on antisocial personality disorder among criminals in a	1Institute of Forensic Sciences and Legal Medicine, Istanbul University-Cerrahpasa, Istanbul, Turkey. 2Institute of Forensic Sciences and Legal Medicine, Istanbul University-Cerrahpasa, Istanbul, Turkey.

		sample of the Turkish population (2021) "According to our results, ASPD in Turkish society is associated with the SLC6A4 gene expression levels, though the distributions of 5-HTTLPR polymorphisms are not different. "	3Cerrahpasa Medical Faculty, Department of Psychiatry, Istanbul University-Cerrahpasa, Istanbul, Turkey. 4Cerrahpasa Medical Faculty, Department of Medical Biology, Istanbul University-Cerrahpasa, Istanbul, Turkey. 5Department of Psychiatric Observation, Turkey Council of Forensic Medicine, Istanbul, Turkey.
	Molecular Psychiatry	Neurobiological roots of psychopathy (2020)	1Department of Forensic Psychiatry, Niuvanniemi Hospital, University of Eastern Finland, Niuvankuja 65, FI-70240, Kuopio, Finland.

		"Expression of aforementioned genes explained 30-92% of the variance of psychopathic symptoms. **"The gene expression findings were confirmed with qPCR.** **"These genes may be relevant to the lack of empathy and emotional callousness seen in psychopathy, since several studies have linked these genes to autism and social interaction."**	**2Karolinska Institutet, Department of Clinical Neuroscience, Centre for Psychiatry Research, Stockholm County Council, Byggnad R5, SE-171 77, Stockholm, Sweden.** **3Department of Forensic Psychiatry, Niuvanniemi Hospital, University of Eastern Finland, Niuvankuja 65, FI-70240, Kuopio, Finland.** **4A.I. Virtanen Institute for Molecular Sciences, University of Eastern Finland, PO Box 1627, FI-70211, Kuopio, Finland.** **5Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki, Haartmaninkatu 3, FI-00014, Helsinki, Finland.** **6Department of Mental Health and Substance Abuse Services and Public Health Genomics Unit, National Institute for**

			Health and Welfare, PO Box 30, FI-00271, Helsinki, Finland. 7Institute of Clinical Medicine, Department of Psychiatry, University of Helsinki, PO Box 22 (Välskärinkatu 12), FI-00014, Helsinki, Finland. 8Department of Psychiatry, Helsinki University Central Hospital, PO Box 590 (Välskärinkatu 12), FI-00029, Helsinki, Finland. 9Finnish Institute of Occupational Health, Development of Work and Work Organizations, Topeliuksenkatu 41 b, FI- 00290, Helsinki, Finland. 10The Criminal Sanctions Agency, Lintulahdenkatu 5, FI-00530, Helsinki, Finland. 11A.I. Virtanen Institute for Molecular Sciences, University of

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Epigenetics	**Frontiers in Psychiatry**	**Epigenetics in Personality**	1Department of Psychiatry and Psychotherapy, Otto-von-Guericke University of

		Disorders: Today's Insights (2018)	Magdeburg, Magdeburg, Germany. 2Department of Psychiatry, Social Psychiatry and Psychotherapy, Hanover Medical School, Hanover, Germany. 3Department of Psychiatry, Paracelsus Medical University, Nuremberg, Germany. 4Department of Psychiatry and Psychotherapy, University of Cologne, Cologne, Germany. 5German Centre for Neurodegenerative Diseases, Magdeburg, Germany.
Epigenetics	**The British Journal of Psychiatry**	Monoamine oxidase A gene promoter methylation and transcriptional downregulation in an offender population	1D. Checknita, MSc, G. Maussion, PhD, McGill Group for Suicide Studies, Douglas Mental Health University Institute, McGill University, Montreal, Canada; B. Labonté, PhD, Fishberg Department of Neuroscience

		with antisocial personality disorder (2015) "Conclusions: These results are consistent with prior literature suggesting MAOA and serotonergic dysregulation in antisocial populations. Our results offer the first evidence suggesting epigenetic mechanisms may contribute to MAOA dysregulation in antisocial offenders."	and Friedman Brain Institute, Icahn School of Medicine at Mount Sinai, New York, USA; S. Comai, PhD, Neurobiological Psychiatry Unit, Department of Psychiatry, McGill University, Montreal, Canada; R. E. Tremblay, PhD, School of Public Health, Physiotherapy and Population Science, University College, Dublin, Ireland, and Departments of Pediatrics and Psychology, University of Montreal, Montreal, Canada; F. Vitaro, PhD, School of Psycho-Education, University of Montreal, Montreal, Canada; N. Turecki, McGill Group for Suicide Studies, Douglas Mental Health University Institute,

			McGill University, Montreal, Canada; A. Bertazzo, PhD, Department of Pharmaceutical Sciences, Univerity of Padua, Padua, Italy; G. Gobbi, MD, PhD, Neurobiological Psychiatry Unit, Department of Psychiatry, McGill University, Montreal, Canada; G. Côté, PhD, Institute Philippe-Pinel, Department of Psychology, Université de Québec à Trois-Rivères, Montreal, Canada; G. Turecki, MD, PhD, McGill Group for Suicide Studies, Douglas Mental Health University Institute, McGill University, Montreal, Canada.

Maternal Immune Activation	**Brain, Behavior and Immunity**	**Maternal viral infection during pregnancy elicits anti-social behavior in neonatal piglet offspring independent of postnatal microglial cell activation (2017)**	**1Department of Animal Sciences, University of Illinois Urbana-Champaign, Urbana, IL, USA; Integrative Immunology and Behavior Program, University of Illinois Urbana-Champaign, Urbana, IL, USA.** **2Department of Animal Sciences, University of Illinois Urbana-Champaign, Urbana, IL, USA; Integrative Immunology and Behavior Program, University of Illinois Urbana-Champaign, Urbana, IL, USA; Neuroscience Program, University of Illinois Urbana-Champaign, Urbana, IL, USA.** **3Department of Animal Sciences, University of Illinois Urbana-Champaign, Urbana, IL, USA; Integrative Immunology and Behavior Program, University of Illinois Urbana-Champaign, Urbana, IL, USA; Neuroscience Program, University of Illinois Urbana-**

			Champaign, Urbana, IL, USA; Division of Nutritional Sciences, University of Illinois Urbana-Champaign, Urbana, IL, USA.
Neuro-Immune Pathways			
Neuro-Endocrine Pathways			
Environment			
Environment that may Alter Biology			

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