

Curriculum Vitae

HUGH GARAVAN PhD

Contact Details

6436 UHC,
Department of Psychiatry,
University of Vermont.
1 South Prospect Street,
Burlington, VT 05401,
USA

Ph: +1-802-656-9618
Fax: +1-802-656-9628
E-mail: Hugh.Garavan@uvm.edu

Current Appointments

- **Professor**, Department of Psychiatry, University of Vermont, USA
- **Adjunct Associate Professor**, School of Psychology, Trinity College Dublin, Ireland

Education

1990	National University of Ireland	B.A.	Honours Psychology
1993	Bowling Green State University	M.A.	Cognitive Psych & Behavioral Neuro
1995	Bowling Green State University	Ph.D.	Cognitive Psych & Behavioral Neuro

Previous Professional Positions

1995 – 1997	Postdoctoral Fellow, Department of Psychology, Cornell University, USA.
1997 – 1999	Postdoctoral Fellow and Research Scientist, Department of Psychiatry and Behavioral Medicine, Medical College of Wisconsin, USA.
2000 – 2005	Assistant Clinical Professor, Department of Psychiatry and Behavioral Medicine, Medical College of Wisconsin, USA.
2000 – 2005	Lecturer (Senior Lecturer: 2005-2007), Department of Psychology, Trinity College Dublin, Ireland.
2003 – 2006	Director of Functional Brain Imaging, Trinity College Institute of Neuroscience, Trinity College Dublin, Ireland.
2004 – 2010	Research Scientist V, Nathan Kline Institute, New York, USA.
2005 – 2010	Associate Professor, School of Psychology, Trinity College Dublin, Ireland.

Post-Graduate Student Supervision

2004	Jacqueline Kaufman (PhD) *	Kevin Murphy (PhD)
	Catherine Fassbender (PhD)	Nick Kidd (D.Clin.Psych.)
2005	Veronica Dixon (MSc) *	
2006	Clare Kelly (PhD)	
2007	Sharon O'Sullivan (D.Clin.Psych.)	Emma Sheehan (MSc)
	Kelly Janssens (MSc)	Susan MacManus (MSc)
	Erik O' Hanlon (PhD)	Dearbhla O' Connor (MSc)
2008	Gloria Roberts (PhD)	Lisa Ronan (PhD)
	Liam Nestor (PhD)	Ciaran Wynne (MSc)
	Alex Pereda (PhD) *	Alice Galvin (MSc)
	Saud Alhusaini (MSc)	Adam Stone (MSc)
2009	Marika Doucet (MSc)	Martina Hughes (MSc)
	Jelena Ivanovic (MSc)	Sameer Datwani (MSc)
	Silvia Mencaraglia (MSc)	Stacey Ball (MSc)
2010	Sarah Jacobson (PhD)	Sharon McElroy (D.Clin.Psych.) *
2011	Finian O' Brien (PhD) *	
2012	Jane Sanders (PhD) *	
2013	Brendan Behan (PhD)	Ryan Bell (PhD) *
2014	Nick Ortiz (MSc)	Kathryn Olds (MSc)
2018	Kelsey Hudson (PhD) **	
2019	Phil Spechler (PhD) **	Nick D'Alberto (PhD) **
2020	Brittany Fair (PhD) **	

* Co-supervisor

** Indicates anticipated dates of degrees to be awarded

Post-Doctoral Supervision

Andrea Kuebler	Robert Hester
Elena Magno	Cristina Simoes-Franklin
Colm Connolly*	Eric O Hanlon*
Edmund Lalor*	Robert Whelan
Catherine Orr	Scott Mackey
Bader Chaarani	Nick Allgaier
Matt Albaugh	

* Co-supervisor

Teaching Experience (Courses Taught)

Cognitive Psychology	Neuroimaging of Cognitive Processes
Methodology and Statistics	Psychological Disorders
Health Psychology	History of Psychology
Cognitive Neuroscience of Addiction	Learning, Cognition & Behavior
Cognition	Introduction to Functional Neuroimaging
Advanced Cognitive Neuroscience	

Professional Activities

- Served on external advisory panel to the 2015 NIDA Strategic Plan.
- Standing member of the NPAS study section (2014-present).
- Member of the Scientific Advisory Board of the Organization of Human Brain Mapping (2014 – present).
- Secretary of the Organization of Human Brain Mapping (2011-2012).
- Served as a Grant Reviewer for: The National Institute of Health; National Science Foundation; The Economic and Social Research Council. UK; The Newton Trust, UK; Medical Research Council, UK.
- Served on Medical Research Council (UK) Addiction Project Group in developing a new grants programme for addiction research.
- Served as *ad hoc* reviewer for the following journals:
 - Addiction Biology
 - Archives of General Psychiatry
 - Biological Psychiatry
 - BMC Psychiatry
 - Brain
 - Brain & Cognition
 - Brain, Behavior and Immunity
 - Brain Structure & Function
 - Cerebral Cortex
 - Cognitive, Affective & Behavioral Neuroscience
 - Cognitive Brain Research
 - Drug & Alcohol Dependence
 - Emotion
 - European Journal of Neuroscience
 - Experimental Psychology
 - Frontiers in Bioscience
 - Frontiers in Neuroscience
 - Human Brain Mapping
 - Journal of the American Academy of Child and Adolescent Psychiatry
 - Journal of Cognitive Neuroscience
 - Journal of Experimental Psychology: LMC
 - Journal of the International Physiological Society
 - Journal of Studies on Alcohol and Drugs
 - The Lancet
 - The Lancet Psychiatry
 - Memory & Cognition
 - Molecular Psychiatry
 - Nature Communications
 - Nature Neuroscience
 - Nature Reviews Neuroscience
 - NeuroImage
 - Neuron
 - Neuropsychological Rehabilitation
 - Neuropsychopharmacology
 - NeuroReport
 - Neuroscience
 - Neuroscience & Biobehavioral Reviews
 - Progress in Neurobiology
 - Proceedings of the National Academy of Sciences
 - Psychiatry Research
 - Psychonomic Bulletin & Review
 - Psychopharmacology
 - Science
 - Social, Cognitive and Affective Neuroscience
 - The Irish Journal of Psychological Medicine
 - The Journal of Neuroscience
 - Trends in Cognitive Sciences
- Served on Programme Committee for the International Neuropsychology Society Meeting in Dublin (July 2005), the European Brain and Behaviour Society Meeting in Dublin (September 2005), and the Flux Society Annual Meeting (September 2016).
- Served as PhD external examiner for National University of Ireland, Maynooth; Bangor

University, Wales; University of Toronto, Canada; The University of Newcastle, Australia; Monash University, Australia; University of Pittsburgh, USA.

- Outreach and media activities include numerous contributions to print (The Irish Times; The Irish Independent), radio (NPR; Vermont Public Radio; BBC; numerous Irish radio stations) and television (interviews plus documentaries on addiction, anxiety disorders and humour). Generated visual aids for Alzheimers care-giver video. Provided lecture on addiction for continuing medical education for the Irish College of General Practitioners.

Grants Awarded

Dates	Agency	Topic	Amount	Role
2015-2020	National Institute on Drug Abuse	ABCD-USA Consortium: Research Project	\$6 million	PI
2014-2016	National Institute on Drug Abuse	ENIGMA-Addiction: A data-pooling of brain and genetic correlates of addiction.	\$445,000	PI
2014-2018	National Institute of Biomedical Imaging and Bioengineering	ENIGMA Center for Worldwide Medicine, Imaging & Genomics	\$12 million	Co-I
2013-2018	National Institute on Drug Abuse	Behavioral Treatment of Adolescent Marijuana Use	\$500,000	Co-I
2013-2018	National Institute on General Medical Sciences	Vermont Center on Behavior and Health	\$11.5 million	Co-I
2013-2018	FDA	Vermont Center on Tobacco Regulatory Sciences	\$19.5 million	Co-I
2013-2014	NBH spire microgrant (UVM)	A neuroimaging study on the cognitive and anxiolytic benefits of exercise.	\$8,000	PI
2013-2018	Canadian Institute of Health Research	Effects of delaying age of onset of binge drinking on adolescent brain development: A proposal to add neuroimaging measures to the CO-Venture Trial.	CAN\$1.05 million	Co-I
2012-2016	National Institute of Mental Health	Risk and Resilience in Maltreated Children	\$2.5 million	Co-I
2011-2013	National Health and Medical Research Council, Australia	Genetic and Physiological Mechanisms of Executive Control.	AUS\$541,00	Co-I

Dates	Agency	Topic	Amount	Role
2009-2012	Health Research Board, Ireland	A biofeedback-based training programme to improve attention and impulsivity in Adult Attention Deficit Hyperactivity Disorder	€300,000	Co-I
2008-2011	Health Research Board, Ireland	Neurocognitive risk and protective factors for addiction.	€300,000	PI
2008-2011	Health Research Board, Ireland	Structural and functional neuroimaging in people with velo-cardio-facial syndrome.	€300,000	Co-I
2006-2010	National Institute on Drug Abuse	The role of executive functions in cocaine abuse (continuation)	\$814,000	PI
2006-2011	EU Framework 6	Reinforcement-related behaviour in normal brain function and psychopathology	€10 million €488,000*	PI*
2006-2009	EU Marie Curie Transfer of Knowledge	Using cognitive neuroscience to understand how consumers make and maintain healthy food choices	€200,000	PI*
2006-2007	Royal City of Dublin Hospital Trust, Ireland	The role of cognitive control in cigarette smoking and abstinence	€45,000	PI
2006-2010	National Institute of Mental Health	The Neurophysiology of Violence in Schizophrenia	\$1 million	Co-I
2005-2010	Health Research Board, Ireland	Proposal for a National Centre for Advanced Medical Imaging	€4 million	Co-I
2005-2010	Health Research Board, Ireland	Adolescent brain development and risk for schizophrenia: a study of structural and functional disconnectivity.	€1.5 million	Co-I
2004-2005	National Institute on Drug Abuse	The role of executive functions in cannabis dependence	\$150,000	Co-I

Dates	Agency	Topic	Amount	Role
2004-2008	Science Foundation Ireland, Ireland	Relationship between genotype and phenotype in child and adolescent ADHD	€1 million	Co-I
2001-2006	National Institute on Drug Abuse	The role of executive functions in cocaine abuse	\$1.3 million	PI
2002-2003	McDonnell Foundation	Functional imaging and neurorehabilitation	\$30,000	PI
2001-2002	Health Research Board/MediaLab , Ireland	Real-time ERP measurement and feedback	£50,000	Co-I
2000-2005	National Institute on Drug Abuse	Functional MRI of human drug abuse	\$1.5 million	Co-I
2000	Enterprise Ireland	International collaboration programme (with Berkeley University)	£3000	PI
2000	Trinity College Dublin	Competitive Start-up Fund	£20,000	PI
1993-1994	Bowling Green State University	Research Fellowship	\$10,000	PI

** Refers to Ireland component only*

Other Awards and Honors

- Elected a Fellow of Trinity College Dublin in 2004.
- I was named mentor for postdoctoral Fellows Cristina Simoes and Elena Magno who obtained IRCSET (Irish Research Council for Science Engineering and Technology) and IRCHSS (Irish Research Council for the Humanities and Social Sciences) awards totalling approx. €200,000. I was a co-mentor for a K23 award for \$826,000 to Marc Copersino of McClean General Hospital, Harvard.
- I was a named supervisor for the successful Initiatives in Medicine in Ireland PhD bids by Drs. Sanders and O'Brien (approx. €400,000).
- Contributed to the successful PRTL I bid by Trinity College Dublin establishing the Trinity College Institute of Neuroscience (€28 million).

Invited Presentations / Conference Talks

Does not include departmental or university talks.

2001

- Mar – Applied Psychology Unit, Cambridge, UK.
- Mar – Beaumont Hospital, Dublin, Ireland.
- April – Psychological Society of Ireland, Dublin, Ireland.
- Nov – Society for Neuroscience Special Symposium, San Diego, USA.

2002

- Feb – University College Dublin, Dublin, Ireland.
- April – Brain Society, Trinity College, Dublin, Ireland.
- May – University of Tuebingen, Tuebingen, Germany.
- June – National Institute of Mental Health (NIH), Baltimore, USA.
- Aug – National Institute of Drug Abuse (NIH), Baltimore, USA.

2003

- July – Errors, Conflicts, and the Brain, Dortmund, Germany.
- July – British Association for Psychopharmacology, Harrogate, UK.
- Sept – European Behavioural Pharmacology Society, Antwerp, Belgium.

2004

- Feb – Nathan Kline Institute, New York, USA.
- Feb – Brookhaven National Laboratories, New York, USA
- Mar – St. Patrick's Hospital, Dublin, Ireland.
- April – Cognitive Neuroscience Society Symposium, San Francisco, USA.
- Oct – National Rehabilitation Hospital, Dublin, Ireland.

2005

- Mar – Control in Attention and Action, Amsterdam, The Netherlands.
- July – Inaugural Academic Meeting, Trinity College Institute of Neuroscience.
- July – Conway Institute, University College Dublin, Ireland.
- Sept – National Institute on Drug Abuse, Bethesda, Maryland, USA.
- Nov – Queen's University, Belfast, Northern Ireland.
- Dec – Lausanne, Switzerland.
- Dec – Prefrontal Function Symposium, Leuven, Belgium.

2006

- June – Errors, Conflict and Reward, Amsterdam, The Netherlands.
- Sept – Mechanisms of Addiction, Queensland, Australia.
- Sept – University College Galway, Galway, Ireland.

Nov – University College London, London, UK.

Nov – Oxford University, Oxford, UK.

2007

Jan – Cambridge University, Cambridge, UK.

Jan – University College Dublin, Dublin, Ireland.

Oct – University of Wales, Bangor, UK.

Sept – European Society for Cognitive Psychology.

Sept – European Society for Biomedical Research on Alcoholism.

2008

Jan – Pharmacology, Biochemistry & Behavior Conference, Morzine.

Jan – Alpine Cognition Conference, Champéry.

Feb – Royal Society, London.

May – Dartmouth College, New Hampshire, USA.

May – American Psychological Association workshop, Washington D.C.

Nov – CUBRIC, Cardiff University, Wales.

Nov – Society for Neuroscience Annual Meeting Symposium, Washington.

Dec – Dopamine: From Bench to Bedside. NUIG, Ireland

2009

Apr – University of Sussex, UK.

Mar – Psychiatry Department Grand Rounds, University of Vermont, USA.

May – Institute of Mental Health, Mannheim, Germany

June – University of Barcelona, Spain.

Oct – National Institute on Drug Abuse Symposium, Washington DC, USA

Oct – National Institute on Drug Abuse, NIH, Baltimore USA

Nov – Psychology Department, University of Vermont, USA.

Nov – Montreal Neurological Institute's Killam lecture series, Montreal.

Dec – The Mind Research Network, University of New Mexico, USA

2010

June – Control and Motivation Symposium, University of Oxford, UK

July – Department of Psychiatry, Albert Einstein University, New York, USA

Nov – University Medical Center Hamburg-Eppendorf, Germany

2011

Feb – Incentives and Health, University of Maryland, USA.

May – Biological Psychiatry annual meeting, Prague, Czech Republic.

June – Department of Psychology, UCLA, USA.

- June – College on Problems of Drug Dependence annual mtg, Florida, USA.
- Aug – European Behavioral Pharmacology Society, Amsterdam, Holland.
- Oct – Radiology Imaging Center Lecture, University of Vermont, USA.
- Oct – Complex Systems TEDx Event, University of Vermont, USA.

2012

- May – McLean Neuroscience Seminar, McLean Hospital, Boston, USA.
- May – Soirée Scientifique, CHU Sainte-Justine, Montréal, Canada.
- June – “Big Science - Imaging Genetics,” OHBM annual meeting, Beijing, China.
- Nov – University of Pittsburgh, Pittsburgh, USA.
- Dec – American College of Neuropsychopharmacology, Florida, USA.

2013

- Jan – Winter Conference on Brain Research, Breckenridge, Colorado, USA.
- Feb – Int’l Conf on Applications of Neuroimaging to Alcoholism, New Haven, USA.
- June – Philips Neuroscience MRI lunch, OHBM meeting, Seattle, USA.
- June – Japanese Neuroscience Society, Kyoto, Japan.
- Oct – University of Massachusetts Medical School, Massachusetts, USA.

2014

- Jan – Winter Conference on Brain Research, Steamboat Springs, Colorado, USA.
- Mar – National Institute on Drug Abuse, Baltimore, USA.
- May – Developmental and Population Neuroscience, University of Michigan, USA.
- May – Biological Psychiatry Annual Meeting, New York, USA.
- June – Int’l Congress on Insight in Psychiatry and Neurological Diseases, Poitiers, France.
- June – Research Society on Alcoholism annual meeting, Seattle, USA.
- June – Organization for Human Brain Mapping annual meeting, Hamburg, Germany.
- Oct – Am. Acad. of Child and Adolescent Psychiatry annual meeting, San Diego, USA.

2015

- Mar – Yale's Magnetic Resonance Research Center, New Haven, CO, USA.
- June – International Behavioral Neuroscience Society annual meeting, Victoria, CA.
- Sept – FLUX annual meeting, Leiden, The Netherlands.
- Oct – NIDA mini-convention, Society for Neuroscience annual meeting, Chicago, USA.
- Oct – Molecular Psychiatry annual meeting, San Francisco, USA.
- Nov – University of Rochester, Rochester, USA.
- Dec – ACNP annual meeting, Florida, USA.

2016

- Jan – APSARD annual meeting, Washington DC, USA.

- Feb – North Dakota State University, Fargo, USA.
- Apr – CHU Sainte-Justine, Montreal, Canada.
- May – The Neuroscience of Decision-Making, Montreal, Canada.
- June – American Psychiatric Association annual meeting, Atlanta, USA.
- June – Biological Psychiatry annual meeting, Atlanta, USA.
- June – Human Brain Mapping annual meeting, Geneva, Switzerland.
- June – Philips OHBM Neuroscience Lunch Symposium, Geneva, Switzerland.
- Oct – Persistent Maladaptive Behaviors: Why We Make Bad Choices, Rochester, NY.
- Dec – Merrill Palmer Skillman Institute at Wayne State University, Detroit, USA

2017

- Jan – Neuroscience Colloquium, University of British Columbia, Vancouver, Canada.
- Jan – Psychiatry Grand Rounds, Mt. Sinai, New York, USA.
- Feb – Child Health Research Center Seminar Series, Columbus, Ohio, USA.

Publications

Google Scholar Search:

<http://scholar.google.com/citations?user=EwNVxgEAAAAJ&hl=en>

Reports:

1. **Garavan, H** (2005). Overview of the application of functional neuroimaging to studying addiction: with particular reference to cognitive neuroscience investigations. UK Government Foresight Report.

Book Chapters:

1. **Garavan H**, Potter A, Brennan K, & Foxe JJ. (In Press). Neural Bases of Addiction-Related Impairments in Response Inhibition. In "Wiley-Blackwell Handbook on the Cognitive Neuroscience of Addiction." Stephen J Wilson (Ed); Wiley-Blackwell.
2. Chaarani B, Hudson KE, Spechler PA, Foxe JJ, Potter A, & **Garavan H**. (In Press). The Neural Basis of Response Inhibition and Substance Abuse. In "Wiley-Blackwell Handbook of Cognitive Control." Tobias Egner (Ed); Wiley-Blackwell.
3. Stanger C, & **Garavan H**. (2014). Potential Neural Influences in Contingency Management for Adolescent Substance Use. In "Neuroimaging and Psychosocial Addiction Treatment" Sarah Feldstein Ewing, Katie Witkiewitz, & Francesca Filbey, (Eds). Palgrave Macmillan.
4. Icke, I., Allgaier, N.A., Danforth, C.M., Whelan, R.A., **Garavan, H.**, Bongard, J.C., and the IMAGEN Consortium. (2014). A Deterministic and Symbolic Regression Hybrid Applied to Resting-State fMRI data. In Moore J., Kotanchek M., Riolo R. (Eds.), Genetic Programming Theory and Practice XI, 2013, Springer.
5. **Garavan, H.** (2011). Impulsivity and Addiction. In "Neuroimaging in the Addictions" B. Adinoff & E. A. Stein (Eds). ISBN: 978-0-470-66014-0
6. **Garavan, H.**, Kaufman, J.N., & Hester, R. (2010). Acute Effects of Cocaine on the Neurobiology of Cognitive Control. In "The Neurobiology of Addiction: New Vistas." T.W. Robbins, B.J. Everitt & D.J. Nutt (Eds). Oxford University Press.
7. **Garavan, H.**, & Murphy, K. (2009). Experimental Design. In "fMRI Techniques and Protocols (Neuromethods)." Massimo Filippi (Ed). Human Press.
8. **Garavan, H.**, Lingford-Hughes, A., Jones, T., Morris, P., Rothwell, J. & Williams, S. (2007). Neuroimaging. In Nutt D, Robbins T, Stimson G, Ince M & Jackson A. Drugs and the future: brain science, addiction and society. Elsevier, London.
9. Robertson, I., & **Garavan, H**. (2004). "Vigilant Attention." In The Cognitive Neurosciences, 3rd Edition, Gazzaniga, M. (Ed.). MIT Press.
10. **Garavan, H.**, Hester, R., & Fassbender, C. (2004). "fMRI studies of the midline cortex's role in error-detection." In M. Ullsperger & M. Falkenstein (eds.) Errors, Conflicts, and the Brain. Current Opinions on Performance Monitoring. Leipzig: MPI of Cognitive Neuroscience.

Articles in press:

1. Separate neural systems for behavioral change and emotional responses to failure during behavioral inhibition. Human Brain Mapping.
2. Quinlan, Cattrell et al. Psychosocial stress and brain function in adolescent psychopathology. American Journal of Psychiatry.
3. Xu et al. Impact of a common genetic variation associated with putamen volume on neural mechanisms of ADHD. (In Press). Journal of the American Academy of Child and Adolescent Psychiatry
4. Bartholdy S., Karina Allen DCLinPsy.², John Hodsoll Ph.D.³, Owen G. O'Daly Ph.D.⁴, Iain C. Campbell DSc.¹, Tobias Banaschewski M.D., Ph.D.⁵, Gareth Barker Ph.D.⁴, Arun L.W. Bokde Ph.D.⁶, Uli Bromberg Dipl.-Psych.⁷, Christian Büchel M.D.⁷, Erin Burke Quinlan Ph.D.⁸, Patricia J.Conrod Ph.D.^{9,10}, Sylvane Desrivieres Ph.D.⁸, Herta Flor Ph.D.¹¹, Vincent Frouin Ph.D.¹², Jürgen Gallinat M.D.¹³, **Hugh Garavan** Ph.D.¹⁴, Penny Gowland Ph.D.¹⁵, Andreas Heinz M.D., Ph.D.¹⁶, Bernd Itermann Ph.D.¹⁷, Jean-Luc Martinot M.D., Ph.D.¹⁸, Eric Artiges M.D., Ph.D.¹⁹, Frauke Nees Ph.D.^{5,11}, Dimitri Papadopoulos Orfanos Ph.D.¹², Tomáš Paus M.D., Ph.D.²⁰, Luise Poustka M.D.^{5,23}, Michael N. Smolka M.D.²¹, Eva Mennigen M.D.²¹, Henrik Walter M.D., Ph.D.¹⁶, Robert Whelan Ph.D.²², Gunter Schumann M.D.⁸, Ulrike Schmidt^{1,2}. Identifying disordered eating behaviours in adolescents: How do parent and adolescent reports differ by sex and age? Eur Child Adolesc Psychiatry. 2017 Jan 3. doi: 10.1007/s00787-016-0935-1. [Epub ahead of print]
5. D'Alberto N, Funnell M, Potter A, & **Garavan H**. A split-brain case study on the hemispheric lateralization of inhibitory control. Neuropsychologia.
6. Michael L. Miller^{1,2,†}, Yanhua Ren^{1,2,†}, Henrietta Szutorisz^{1,2}, Noel Warren^{1,2}, Chloe Tessereau^{1,2}, Gábor Egervári^{1,2}, Agnieszka Mlodnicka³, Bader Chaarani⁴, Claudia V. Morris^{1,2}, James Sperry^{1,2}, Gunter Schumann⁵, Hugh Garavan⁴, Michael Bannon⁶, IMAGEN Consortium, Jeffrey M. Halperin^{1,3,7} and Yasmin L. Hurd. Ventral striatal regulation of *CREM* mediates impulsive action and drug addiction vulnerability. Molecular Psychiatry
7. Dirk Mielenz^{1§}, Martin Reichel^{2§}, Tiaynye Jia^{3§}, Erin Burke Quinlan^{3§}, Thomas Stöckl², Melissa Mettang², Daniel Zilske², Elif Kirmizi-Alsan², Penelope Schönberger², Marc Praetner², Sabine E. Huber², Davide Amato², Marc Schwarz⁴, Pavitra Purohit¹, Sebastian Brachs^{5,6}, Joachim Spranger^{5,6}, Andreas Hess⁷, Christian Büttner⁸, Arif B. Ekici⁸, Francesc Perez-Branguli⁹, Beate Winner^{8,9}, Verena Rauschenberger¹⁰, Tobias Banaschewski¹¹, Arun L.W. Bokde¹², Christian Büchel¹³, Patricia J.Conrod^{14,15}, Sylvane Desrivieres¹⁶, Herta Flor¹⁷, Vincent Frouin¹⁸, Jürgen Gallinat¹⁹, **Hugh Garavan**²⁰, Penny Gowland²¹, Andreas Heinz²², Jean-Luc Martinot²³, Herve Lemaitre²⁴, Frauke Nees¹⁷, Tomáš Paus²⁵, Michael N. Smolka²⁶, IMAGEN consortium, Alexandra Schambony¹⁰, Tobias Bäuerle⁴, Volker Eulenburg²⁷, Christian Alzheimer²⁸, Anbarasu Lourdasamy²⁹, Gunter Schumann^{16§}, Christian P. Müller. EFhd2/ Swiprosin-1 is a common genetic determinant for sensation seeking/ low anxiety and alcohol addiction. Molecular Psychiatry.
8. Josiane Bourque, M.Sc.¹, Philip A. Spechler, B.A.², Stéphane Potvin, Ph.D.³, Robert

- Whelan, Ph.D.⁴, Tobias Banaschewski, M.D., Ph.D.⁵, Gareth Barker, Ph.D.⁶, Arun L.W. Bokde, Ph.D.⁷, Uli Bromberg, Dipl.-Psych.⁸, Christian Büchel, M.D.⁸, Erin Burke Quinlan, Ph.D.⁹, Sylvane Desrivieres, Ph.D.⁹, Herta Flor, Ph.D.^{10,11}, Vincent Frouin, Ph.D.¹², Penny Gowland, Ph.D.¹³, Andreas Heinz, M.D., Ph.D.¹⁴, Bernd Ittermann, Ph.D.¹⁵, Jean-Luc Martinot, M.D., Ph.D.^{16,17}, Marie-Laure Paillère-Martinot, M.D., Ph.D.^{16,18}, Frauke Nees, Ph.D.^{5,10}, Dimitri Papadopoulos Orfanos, Ph.D.¹², Tomáš Paus, M.D., Ph.D.¹⁹, Luise Poustka, M.D.^{5,20}, Michael N. Smolka, M.D.²¹, Nora C. Vetter, Ph.D.²¹, Henrik Walter, M.D., Ph.D.¹⁴, Gunter Schumann, M.D.⁹, **Hugh Garavan**, Ph.D.², Patricia J. Conrod, Ph.D.^{1,22}, and the IMAGEN Consortium. Functional neuroimaging predictors of emerging psychotic symptoms in adolescents. The American Journal of Psychiatry.
9. Albaugh M, Ph.D.; Catherine Orr; Bader Chaarani; Robert Althoff; Nicholas Allgaier; Nicholas D'Alberty; Kelsey Hudson ; Scott Mackey; Philip Spechler; Tobias Banaschewski; Rüdiger Brühl; Arun Bokde; Uli Bromberg; Christian Büchel; Anna Cattrell; Patricia Conrod; Sylvane Desrivieres; Herta Flor; Vincent Frouin; Jürgen Gallinat; Robert Goodman; Penny Gowland; Yvonne Grimmer; Andreas Heinz; Viola Kappel; Jean-Luc Martinot; Marie-Laure Paillère Martinot; Frauke Nees; Dimitri Papadopoulos Orfanos; Jani Penttilä; Luise Poustka; Tomáš Paus; Michael Smolka; Maren Struve; Henrik Walter; Robert Whelan; Gunter Schumann; **Hugh Garavan**; Alexandra Potter. Inattention and reaction time variability are linked to ventromedial prefrontal volume in adolescents. Biological Psychiatry.
 10. Bogdan R, Betty Jo Salmeron, Arpana Agrawal, Caitlin E Carey, Vince D Calhoun, **Hugh Garavan**, Ahmad R Hariri, Andreas Heinz, Matthew N Hill, Andrew Holmes, Ned H Kalin, David Goldman. Imaging Genetics and Genomics in Psychiatry: A Critical Review of Progress and Potential. Biological Psychiatry.
 11. Urrila A, Eric Artiges, Jesssica Massicotte, Ruben Miranda, Hélène Vulser, Pauline Bezivin-Frere, Winok Lapidaire, Hervé Lemaître, Jani Penttilä, Patricia Conrod, **Hugh Garavan**, Marie-Laure Paillère Martinot, Jean-Luc Martinot and The IMAGEN consortium. Sleep habits, academic performance, and the adolescent brain structure. Scientific Reports.
 12. Nestor LJ, McCabe E, Jones J, Clancy L, & **Garavan H** Smokers and ex-smokers have shared differences in the neural substrates for potential monetary gains and losses: evidence for orbitofrontal cortex hyperactivity during a monetary incentive delay task. Addiction Biology.
 13. O'Halloran L, Nymberg C, Jollans L, **Garavan H**, & Whelan R. The potential of neuroimaging for identifying predictors of adolescent alcohol-use initiation and misuse. Addiction.
 14. Mackey S, Bader Chaarani¹, Philip Spechler¹, Catherine Orr¹, Tobias Banaschewski², Gareth Barker³, Arun L.W. Bokde⁴, Uli Bromberg⁵, Christian Büchel⁶, Anna Cattrell⁷, Patricia J.Conrod^{7,8}, Sylvane Desrivieres⁶, Herta Flor⁹, Vincent Frouin¹⁰, Jürgen Gallinat¹¹, Penny Gowland¹², Andreas Heinz¹³, Bernd Ittermann¹⁴, Marie-Laure Paillère Martinot¹⁵, Eric Artiges¹⁶, Frauke Nees⁹, Dimitri Papadopoulos-Orfanos¹⁰, Luise Poustka^{2,17}, Michael N. Smolka¹⁸, Sarah Jurk¹⁸, Henrik Walter¹³, Robert Whelan¹⁹, Gunter Schumann⁶, Robert R. Althoff¹, **Garavan H** & the Imagen Consortium. Brain regions related to impulsivity mediate the effects of early adversity on anti-social behavior. Biological Psychiatry.

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