

Personal Information

Full Name: John M. Hettema, M.D., PH.D.

Business Name: Virginia Institute for Psychiatric and Behavioral Genetics (VIPBG)
Virginia Commonwealth University

Business Address: Biotech One, 800 East Leigh St. 1-116, Richmond, VA 23298

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Professional Summary

Areas of Expertise and Interest

Psychiatry

Ambulatory Care

Anxiety

Psychiatric genetics

Education

Post Graduate

Fellowship, Psychiatric Genetics, VIPBG-VCU
2000

Residency (Psychiatry) VCU Medical Center
1996 - 2000

Graduate

Virginia Commonwealth University, Richmond, VA, MD
1996

Yale University, New Haven, CT. Physics, PhD
1990

Undergraduate

Columbia University, New York, NY, Applied Physics, BS
1980

Certification & Licensure

Licensure

Commonwealth of Virginia

07/1997

Certification

American Board of Psychiatry and Neurology
2001

American Board of Psychiatry and Neurology, Certification Renewed
2011

Hospital Appointments

VCUHS Medical Center, Richmond, VA
2001 - Present

Academic Appointment History

Dept. of Psychiatry, VCU, Richmond, VA, Associate Professor of Psychiatry (tenured 2010),
2006 - Present

Dept. of Psychiatry, VCU, Richmond, VA, Assistant Professor of Psychiatry
2001 - 2006

Virginia Institute for Psychiatric and Behavioral Genetics (VIPBG)
2000 - Present

Employment History

Staff Psychiatrist (part-time), VCU Student Health Services, Richmond, VA
01/2017 - Present

Staff Psychiatrist (part-time), VCU University Counseling Services, Richmond, VA
05/2009 - 06/2010

Staff Psychiatrist (part-time), Chesterfield County CSB, Chesterfield, VA
07/1998 - 03/2016

Special Awards & Honors

VCU Psychiatry Resident Teaching Award
2015

Recognized by Thomson Reuters *Essential Science Indicators* for most-cited publication in psychiatry/psychology in their Fast Moving Fronts
01/2011

ACNP Young Investigator Memorial Travel Award
2006

Pfizer/Society for Women's Health Research Scholar
2001

APA/SmithKline Beecham Young Faculty Award for Research Development
2001

Organon Annual Excellence in Psychiatry Award
1999

Election to Honor Society of Phi Kappa Phi, VCU
1996

Rock Sleyster Scholar, American Medical Association
1996

Alpha Omega Alpha Medical Honor Society, MCV/VCU
1995

Society Memberships

International Society of Psychiatric Genetics (ISPG)
2002 - Present

Anxiety & Depression Association of America (ADAA)
2001 - Present

American Psychiatric Association (APA)
1992 - 2015

Behavior Genetics Association (BGA)
2000 - 2008

Scholarly Activities

Expert Services

Scientific Council, Anxiety & Depression Association of America (ADAA)
2012 - Present

Editorial Board, *Depression & Anxiety*
2008 - Present

Advisor to APA DSM-5 Workgroup on Mood Disorders
2008 - 2012

American Psychiatric Association DSM5 Workgroup on Depressive and Generalized
Anxiety Disorders
2005 - 2007

NIMH ZMH1 ERB-S (03) (RDoC RFA) Reviewer
2013

NIMH BGES Study Section Ad-hoc Reviewer
2013

NIMH SEP ZMH1 ERB-L (02)S Reviewer
2012

NIMH BGES Study Section Ad-hoc Reviewer
2010

NIMH RC1 Challenge Grants Reviewer
2009

Ad Hoc Grant Reviewer (NIH, South African Medical Research Council, UK Welcome Trust, Austrian Science Fund, UK Medical Research Council, Health Research Council of New Zealand)
2003 - Present

Ad Hoc Journal Reviewer ~ 8 manuscripts annually (PNAS, Depression & Anxiety, Psychological Medicine, Biological Psychiatry, JAMA Psychiatry, Psychopharmacology, Journal of the American Academy of Child and Adolescent Psychiatry, Comprehensive Psychiatry, Journal of Abnormal Psychology, American Journal of Psychiatry, Journal of Anxiety Disorders, British Journal of Psychiatry, American Journal of Medical Genetics, Behavioral Genetics, Molecular Psychiatry, Human Molecular Genetics)
2001 - Present

Conference Committee & Chair, Scientific Research Symposium, Anxiety & Depression Association of America (ADAA) Annual Meeting
2017

Grants and Contracts: Active

NIMH R01MH113665-01 (PI: Hettema). "Genome-wide Association Studies of Anxiety Spectrum Phenotypes: Furthering the PGC Anxiety Disorders Working Group". Total Direct Support: \$1M; Role: PI, 30% effort
2017 - 2021

NIMH R01MH039096 (PI: T. Brown, Boston University). "The Classification of Anxiety and Mood Disorders". Total Direct Support: \$244,000 (sub); Role: PI, VCU subcontract; 8% effort
2007 - 2018

Grants and Contracts: Pending

NIMH (PI: Hettema). Submitted 10/05/17. "A Developmental Twin Study of Predictors of Internalizing Disorders". Total Direct Support: \$2.5M. Role: PI, 25% effort. Not discussed.
2018 - 2022

Grants and Contracts: Past

2013-17 NIMH R01MH101518 (PI: Roberson-Nay, VCU). "Genetic Contributions of Negative Valence Systems to Internalizing Pathways". Role: Co-I; 15% effort
2013

2014-16 NARSAD Independent Investigator Grant (PI). "A Twin Study of Neural Correlates of Negative Valence Emotional Phenotypes". Total Direct Support: \$99,041; 10% effort
2014

2012-16 NIMH R01MH098055 (PI). "A Twin Study of Negative Valence Emotional Constructs". Total Direct Support: \$986,000; 25% effort
2012

2010-15 NIMH R01MH087646 (PI). "The Role of Genes and Environment in Anxiety Spectrum Disorders". Total Direct Support: \$ 1.7M; 25% effort
2010

2007-08 NIMH 1R21MH079192 (PI). "Identification of Susceptibility Genes for the Anxiety Disorders". Total Direct Support: \$275,000; 25% effort
2007

2005-06 VCU A.D. Williams Grant (PI). "Candidate Genes in Anxiety Disorders". Total Direct Support: \$15,000
2005

2002-07 NIMH 5K08MH66277 Mentored Clinical Scientist Development Award (PI). "Genetics of Fear and Anxiety Disorders". Total Direct Support: \$750,000
2002

2001-04 Pfizer/SWHR Scholars Grants for Faculty Development in Women's Health (PI). "Genders Differences in the Development of Depression and Anxiety Disorders: The Role of Comorbidity". Total Direct Support: \$195,000
2001

2001-03 NARSAD Young Investigator Award (PI). "A Multivariate Analysis of Risk Factors Predicting the Development of Comorbidity between Major Depression and the Anxiety Disorders". Total Direct Support: \$60,000
2001

2001-03 Anxiety Disorders Association of America Junior Faculty Research Grant (PI). "A Twin Study of the Genetics of Fear Conditioning". Total Direct Support: \$69,000
2001

Patents, Inventions, and Copyrights

None.

Advising and Mentoring

2017 Robin Chan, PhD Committee, 10 hours per year. Research: "Epigenetic Editing to Validate Findings in Methylome-wide Association Studies of Neuropsychiatric Disorders". PhD awarded 2017.
2017 - 2017

2016-2018 Lance Rappaport, PhD, Co-mentor post-doctoral research fellow, 60 hours per year. Research: Various twin analysis projects. Transitioning to Asst. Professor at University of Windsor in July 2018.

2016 - 07/2018

2015-present Ashlee Moore, Co-mentor PBSG PhD student, 40 hours per year.

Research: "Callous-unemotional traits".

2015 - Present

2015-present Jessica Bourdon, Primary mentor PBSG PhD student, 60 hours per year.

Research: "Behavioral Inhibition."

2015 - Present

2014-present Chelsea Sawyers, Co-mentor HGEN PhD student, 40 hours per year.

Research: "Genetics and Neuroimaging of Fear & Anxiety".

2014 - Present

2014-2017 Jeanne Savage, Co-mentor PBSG PhD student, 40 hours per year.

Research: "Genetics of Novel Anxiety Phenotypes". PhD awarded 2017. Post-doctoral research fellow at VU University in Amsterdam, NL.

2014 - 2017

2012-16 Minyoung Lee, PhD, Primary mentor post-doctoral research fellow, 50 hours per year. Research: "Replication and Extension of Anxiety GWAS Results."

2012

2011-12 Jocilyn Dellava, PhD, Co-mentor post-doctoral research fellow, 10 hours per year. Research: "OCD Symptom Dimensions and Neuroticism: An Examination of Shared Genetic and Environmental Effects."

2011

2011 Erik Loken, Co-mentor MD-PhD Student, 10 hours per year. Research: "Genetic Structure of Phobic Fears." PhD awarded in 2012.

2011

2011 Javier Perez, PhD, Post-doctoral research fellow, 10 hours per year.

Provided mentoring for clinical aspects of anxiety disorders through observation in my clinic.

2011

2011-16 Daniel Adkins, PhD, Co-mentor for NIMH K01 award, 10 hours per year.

Research: "Integrating Genomic and Environmental Perspectives on Internalizing Disorders." Currently Assistant Professor at University of Utah.

2011

2010-12 Yongue Chen, MD, PhD, Co-mentor for VCU Psychiatry Residency Research Track, 10 hours per year. Currently Assistant Professor, Psychiatry, VA Tech Carilion Sch of Med.

2010

2010-15 Roxann Roberson-Nay, PhD, Co-mentor for junior faculty NIMH K01 award, 20 hours per year. Research: "Genetic and Pathophysiologic Investigation of Panic Disorder Typologies." Currently VCU Associate Professor of Psychiatry.
2010

2010-12 Takeshi Otowa, MD, PhD, Primary mentor post-doctoral fellow/visiting faculty from Tokyo University, 50 hours per year. Research: "The Role of Genes and Environment in Anxiety Disorders". Currently Professor at Teikyo Heisei University, Japan.
2010

2008-09 Xuan Pham, Primary mentor VCU undergraduate senior research project, 20 hours per year. Research: "GABA Receptor Genes and Anxiety Disorders". BS awarded 2009, then went to graduate school at Johns Hopkins.
2008

2007 Sujana Rayani, MD, Psychiatry resident grand rounds presentation mentor. "New Pharmacotherapy Approaches to the Anxiety Disorders"
2007

2007-08 Usman Ali, MD, Psychiatry resident PGY4 research elective, 20 hours per year. Research: "Neuroimaging of Monozygotic Twins Discordant for Anxiety Disorders".
2007

2004-07 Seon-Sook An, PhD, Primary mentor, post-doctoral research associate, 40 hours per year. Research: "Candidate Gene Studies of Anxiety Disorders".
2004

2004-07 J. Eric Schmitt, MD-PhD dissertation committee. Research: "Imaging and Genetics". Currently Assistant Professor, University of Pennsylvania.
2004

2005-06 O. Joseph Bienvenu, MD, PhD, Co-mentor NIMH K-Award visiting junior faculty, Johns Hopkins. Research: "Covariation of Neuroticism, Extroversion, and Social Phobia". Currently Associate Professor, Johns Hopkins University.
2005

2005-06 Jennifer Runnals, MS dissertation committee member. Research: "Cardiovascular Response to Anger in Veterans with PTSD".
2005

2005-06 Thomas Kubarych, PhD, Co-mentor post-doctoral research associate, 25 hours per year. Research: "Factor Structure of Generalized Anxiety Disorder Symptoms in Women".
2005

2003-04 Rashelle Brown, MS dissertation committee member. Research: "Emotional Valence, Arousal, and Self-focused Attention"
2003

2002 Jian-Min Zhang, MD, PhD, Mentor for psychiatry resident grand rounds presentation: "SSRIs and Pregnancy".
2002

Presentations

Invited

Internal/VCU

Mar 2018 "Updates on anxiety genetics research: From juvenile twins to GWAS".
VIPBG Weekly Seminar Series, Richmond, VA.
03/2018

Mar 2017 "Updates on the VCU Juvenile Anxiety Study". VIPBG Weekly Seminar
Series, Richmond, VA.
03/2017

July 2008-17 (Annually) "Using Genetics to Understand Psychiatric Illness". Invited
presentation, Annual VCU SOM Summer Institute in Psychiatry for Medical Students,
Richmond, VA.
07/2008

Sept 2016 "Using Genetics to Understand Psychiatric Illness". Invited presentation,
VCU Student Psych Society, Richmond, VA.

Feb 2007 "Anxiety and Panic Disorders in Adults". Invited presentation, Eighth
Annual FCM Clinical Skills Workshop, VCU SOM, Richmond, VA.
02/2007

Nov 2006 "Born to Fear: Update on the Genetics of Anxiety Disorders". VCU Dept.
of Psychiatry Grand Rounds, Richmond, VA.
11/2006

March 2002 "Postpartum Depression". Invited presentation, VCU SOM OB-GYN
Student Interest Group, Richmond, VA.
03/2002

March 2000 "Genetic Epidemiology of Anxiety Disorders". VCU Dept. of Psychiatry
Grand Rounds, Richmond, VA.
03/2000

May 1994 "Physical Similarity & the Equal-Environment Assumption in Twin Studies
of Psychiatric Disorders." Kinloch Nelson Student Honors Day, VCU, Richmond, VA.
Abstract published in Virginia Medical Quarterly, Fall 1994
1994

Local/Regional (Virginia but Non-VCU)

May 2013 "Anxiety Attacks", VCUHS Community Lecture Series at Lewis Ginter

Botanical Gardens, Richmond, VA.
05/2013

Sept 2011 "Will Modern Genetics Research Contribute to Psychiatric Practice?"
Invited presentation, Psychiatric Society of Virginia 2011 Fall Meeting, Wintergreen, VA.
2011

Dec 2009 "What's new in anxiety disorder research and treatment?". Invited
presentation, Richmond Psychiatric Society, Richmond, VA.
12/2009

July 2007 "Fear and Anxiety Disorders". Invited presentation to Virginia Governor's
School students as part of summer course, "The Culture of Fear", Richmond, VA.
07/2007

Nov 2005 "The Depressed Patient – How to Tailor Your Treatment". Mary
Washington Hospital, Fredericksburg, VA.
11/2005

Feb 2005 "Brain Imaging Findings in Psychiatry". VCU Mini-Med School, Science
Museum of Virginia, Richmond, VA.
02/2005

Aug 2004 "Recognition and Treatment of Anxiety Disorders". Mary Washington
Hospital, Fredericksburg, VA.
08/2004

Feb 2003 "Anxiety Disorders in Primary Care". Greenville Memorial. Hospital,
Emporia, VA.
02/2003

Oct 2002 "Medical Aspects of OCD". Invited presentation, Virginia Psychological
Society Annual Meeting, Richmond, VA.
10/2002

April 2002 "Don't Worry, Be Happy: Anxiety and Panic Disorders in Women".
Women's Health 2002 Conference, Williamsburg, VA.
2002

April 1997 "Thyroid Dysfunction & Affective Disorders". McGuire VA Medical Center
Psychiatry Grand Rounds, Richmond, VA.
04/1997

National

Oct 2017 "A Multivariate Genome-Wide Association Study of Anxiety Disorders".
Symposium Co-chair & Speaker, World Congress on Psychiatric Genetics, Orlando, FL.
10/2017

April 2017 "Updates on RDoC Studies of Anxiety and Depression." Symposium Chair
& Speaker, Anxiety & Depression Association of America Annual Conference, San

Francisco, CA.
04/2017

April 2017 "Genetic Factors Underlying Childhood Irritability Overlap with Those for Symptoms of Anxiety and Depressive Disorders." Anxiety & Depression Association of America Annual Conference, San Francisco, CA.
04/2017

April 2016 "Factor Structure of Negative and Positive Valence Phenotypes in Juvenile Twins." Poster Presentation, Anxiety & Depression Association of America Annual Conference, Philadelphia, PA.
04/2016

April 2015 "What Will RDoC Studies Tell Us About Anxiety and Depression?" Symposium Chair & Speaker, Anxiety & Depression Association of America Annual Conference, Miami, FL.
04/2015

Oct 2014 "Update on the Genetics of Anxiety Disorders". University of Illinois (Chicago) Dept. of Psychiatry Grand Rounds, Chicago, IL.
10/2014

March 2014 "Genomewide Studies of Anxiety ". Symposium on Advances in the
03/2014

Genetics of Anxiety Disorders, Anxiety & Depression Association of America Annual Conference, Chicago, IL.

Oct 2013 "Update on GWAS Targeting Shared Anxiety Disorder Susceptibility". Oral session, World Congress on Psychiatric Genetics, Boston, MA.
10/2013

April 2013 "Genetic Epidemiological Investigation of Mixed Anxiety-Depression ". Poster Presentation, Anxiety & Depression Association of America Annual Conference, La Jolla, CA.
04/2013

April 2012 "GWAS Results Targeting Shared Anxiety Disorder Susceptibility ". Genetics Research Symposium, Anxiety Disorders Association of America Annual Conference, Arlington, VA.
04/2012

March 2011 "Using genetic pleiotropy to identify susceptibility loci for anxiety spectrum disorders". Genetics Research Symposium, Anxiety Disorders Association of America Annual Conference, New Orleans, LA.
03/2011

March 2010 "A Twin Spectroscopic Imaging Study of Generalized Anxiety Disorder". Research symposium, Anxiety Disorders Association of America Annual Conference, Baltimore, MD.

03/2010

Nov 2009 "Prioritization and Association Analysis of Murine-Derived Candidate Genes in Anxiety-Spectrum Disorders". Research presentation, World Congress on Psychiatric Genetics, San Diego, CA.

11/2009

Oct 2007 "CREB1 is Associated with Major Depressive Disorder and Anxiety-Related Phenotypes in Men". Poster session, World Congress on Psychiatric Genetics, New York, NY.

10/2007

April 2007 "The Relationship between Generalized Anxiety Disorder and Major Depression". Invited speaker, ADAA Satellite Research Symposium, St. Louis, MO.

04/2007

April 2007 "Going against the Grain: Using a Multivariate Psychiatric Phenotype for Identifying Susceptibility Genes for Anxiety and Depressive Disorders". Department of Health Studies Grand Rounds, University of Chicago, Chicago, IL.

04/2007

Dec 2006 "Genetic Association Study of the Amiloride-Sensitive Cation Channel 2 (ACCN2) Gene and Anxiety Spectrum Disorders". Poster session, ACNP Annual Meeting, Hollywood, FL.

12/2006

Oct 2005 "Association between Glutamic Acid Decarboxylase Genes and Internalizing Disorders". Research presentation, World Congress on Psychiatric Genetics, Boston, MA.

10/2005

March 2005 "The Impact of Generalized Anxiety Disorder and Stressful Life Events on Risk for Major Depressive Episodes". Research presentation, Anxiety Disorders Association of America Annual Conference, Seattle, WA.

03/2005

March 2004 "The Structure of Genetic and Environmental Risk Factors for Anxiety Disorders in Men and Women". Poster session, Anxiety Disorders Association of America Annual Conference, Miami, FL.

03/2004

March 2001 "A Twin Study of the Genetics of Fear Conditioning". Poster session, Anxiety Disorders Association of America Annual Conference, Austin, TX.

03/2001

July 2000 "A Population-Based Twin Study of Generalized Anxiety Disorder in Men and Women". Poster session, Behavior Genetics Association Annual Meeting, Burlington, Vermont.

07/2000

International

Sept 2017 "Multivariate Anxiety Disorder GWAS in the ANGST Consortium". Invited talk, International Congress of the World Association for Stress Related and Anxiety Disorders, Wurzburg, Germany.

Oct 2012 "GWAS Targeting Shared Anxiety Disorder Susceptibility". Oral session, World Congress on Psychiatric Genetics, Hamburg, Germany.
10/2012

Feb 2012 "Molecular Genetics of Anxiety Disorders". Plenary address, 4th Annual Meeting of the Japanese Society of Anxiety Disorders, Tokyo, Japan
02/2012

Feb 2012 "Genetic Epidemiology of Anxiety Disorders". Invited symposium, 4th Annual Meeting of the Japanese Society of Anxiety Disorders, Tokyo
02/2012

Nov 2008 "A Meta-analysis of Genome-wide Linkage Scans of Anxiety-related Phenotypes". Symposium speaker, World Congress on Psychiatric Genetics, Osaka, Japan.
11/2008

June 2007 "The Nosologic Relationship between Gen. Anxiety Disorder and Major Depression". APA DSM-V/ICD-11 Research Planning Conference, London.
06/2007

April 2007 "Genetic and Environmental Risk Factors for the Anxiety Disorders". Symposium speaker, World Federation of Societies of Biological Psychiatry, Santiago, Chile.
04/2007

Oct 2006 "COMT Contributes to Genetic Susceptibility Shared by Anxiety Spectrum Phenotypes". Poster session, World Congress on Psychiatric Genetics, Cagliari, Italy.
10/2006

Oct 2004 "The Shared Genetics of Trait Neuroticism and Mood and Anxiety Disorders". Poster session, World Congress on Psychiatric Genetics, Dublin, Ireland.
10/2004

March 2003 "Fear Conditioning and Self-Report Fear Ratings: Genetic and Environmental Sources of Covariation". Poster session, Anxiety Disorders Association of America Annual Conference, Toronto, Canada
03/2003

April 2002 "Genetic Epidemiology of Fear and Anxiety Disorders". Invited Presentation, Second Joint Meeting of the French and American Societies of Biological Psychiatry on "Genomics and Psychiatry", Paris, France.
04/2002

July 2001 "A Twin Study of the Genetics of Fear Conditioning". Poster session, Behavior Genetics Association Annual Meeting, Cambridge, UK
07/2001

May 1998 "A Multivariate Genetic Analysis of the Use of Tobacco, Alcohol, and Caffeine in a Population Based Sample of Male and Female Twins". American Psychiatric Association Annual Meeting, Toronto, Canada.
05/1998

Teaching Experience

Didactic and Clinical

2001-present Attending Physician, Anxiety Disorders Specialty Clinic (1 PGY-3 resident), 4 hours per week
2001 - Present

2001-present Clinical Supervisor, Supportive Psychotherapy (1 PGY-2 resident), 1 hour per week
2001 - Present

2001-2015 Clinical Examiner, "mock" oral boards (1-2 residents), 2-4 hours per year
2001 - 2015

2002-present Lecturer, *PGY-1 Anxiety Disorders* (9 residents), 2 contact hours
2002 - Present

2002-present Lecturer, *PGY-2 Anxiety Disorders* (10 residents), 4 contact hours
2002 - Present

2002-present Lecturer, *PGY-2 Psychopharmacology of Anxiety Disorders* (10 residents), 2 contact hours
2002 - Present

2002-2012 Lecturer, *PGY-4 Advanced Psychopharmacology of Anxiety Disorders* (8 residents), 2 contact hours
2002 - 2012

2002-present Coursemaster and Lecturer, *Research Methods in Psychiatry* (10 residents), 6 contact hours
2002 - Present

2002-present Coursemaster and Lecturer, *Psychiatric Genetics* (10 residents), 1 contact hour
2002 - Present

2002-present Lecturer, *Neuroscience of Fear and Anxiety* (10 residents), 2 contact hours
2002 - Present

2002-present Co-lecturer, *Integration of Psychotherapy and Psychopharmacology*

(10 residents), 2 contact hours

2002 - Present

2017 Case Discussion Facilitator, *Training in the Responsible Conduct of Research (RCR)*, OVPR602, 2 contact hours.

2017

2016 Discussant for PGY-3 resident presentation, Psychiatry Ambulatory Care Case Conference (November 18, 2016)

11/2016

2014 Lecturer, *Neurobiology of CNS Diseases*, NEUS 640 (7 grad students), 2 contact hours

2014

2011 Leader, *PGY-3 Psychopharmacology Case Conference* (10 residents), 1.5 contact hours

2011

2003, 2008-12 Lecturer, *Genetics of Anxiety Disorders*, HGen 620 (6-10 graduate students), 2 contact hours

2003 - 2012

2008, 2010 Discussant for PGY-4 resident presentation, Consultation/Liaison Psychiatry Literature Seminar

2008 - 2010

2004-08 VCU Medical Student Faculty Advisor

2004

2006-07 Lecturer, *Complex Disease II - Anxiety Disorders*, HGen 603 (12 graduate students), 2 contact hours

2006

2005 Discussant for PGY-4 resident presentation, Consultation/Liaison Psychiatry Literature Seminar (October 26, 2005)

10/2005

2004 Lecturer, *Intro to Psychiatric Genetics*, Pharmacy 672 (20 pharmacy students), 2 contact hours

2004

2003 Discussant for PGY-3 resident presentation, Psychiatry Ambulatory Care Case Conference (October 17, 2003)

10/2003

Service Activities

Clinical Service

Outpatient Activities

2001-present Attending Physician, Anxiety Disorders Specialty Clinic, 4 hours per week

2001 - Present

1/17-present Staff Psychiatrist VCU Student Health Services, 8 hours per week

01/2017 - Present

1998-2016 Staff Psychiatrist, Chesterfield County CSB, 4 hours per week

1998 - 2016

5/09-6/10 Staff Psychiatrist, VCU University Counseling Services, 8 hours per week

05/2009 - 06/2010

Inpatient Activities

2001-present On-Call Attending Physician, Dept. of Psychiatry, VCU Medical Center

2001 - Present

Service to the Profession

2017 Conference Committee & Chair, Scientific Research Symposium, Anxiety & Depression Association of America (ADAA)

2017

2016-present Co-Chair, Psychiatric Genomics Consortium (PGC) Anxiety Disorders Working Group

2016 - Present

2012-present Scientific Council, Anxiety & Depression Association of America (ADAA)

2012 - Present

2010-present ADAA Annual Meeting Abstract Reviewer

2010 - Present

2010, 2015 ADAA Awards Committee

2010 - 2015

2008-2012 Advisor to APA DSM-V Workgroup on Mood Disorders

2008 - 2012

2008-present Editorial Board, *Depression & Anxiety*

2008 - Present

2004-2007 Member, APA DSM-V Depression and Generalized Anxiety Workgroup

2004 - 2007

Service to the Community

2001-present Professional member, Anxiety & Depression Association of America

2001 - Present

2008 Invited Member of Expert Panel, Mental Health First Aid Guidelines
Project for Panic Attacks, Mental Health Literacy Program
2008

2006-2010 Professional member, Agoraphobics Building Independent Lives (ABIL)
2006 - 2010

2001-03 Initiated/ coordinated local activities for "National Anxiety Disorders
Screening Day", Richmond, VA
2001

1999-2014 Professional member, Central Virginia Chapter of National Alliance for the
Mentally Ill
1999 - 2014

Service to the School of Medicine

2013-2016 Member, CCTR Endowment Fund Research Advisory Committee
2013 - 2016

2008-present Member, Academy of Mentors, Center for Clinical and Translational
Research (CCTR)
2008 - Present

2006-present Member, Institute for Women's Health Research Committee
2006 - Present

2001-present Faculty Interviewer for Residency Applicants
2001 - Present

2009-present Dept. of Psychiatry Residency Research Track Coordinator
2009 - Present

2016 Dept. of Psychiatry Promotion & Tenure Committee (3 faculty)
2016

2015-present CME Activity Director, Dept. of Psychiatry Grand Rounds Committee
2015 - Present

2014-17 Spit for Science Steering Committee
2014

2014 Dept. of Psychiatry Promotion & Tenure Committee (2 faculty)
2014

2013-present CARI Data Safety and Monitoring Board Member
2013 - Present

2011 Dept. of Psychiatry Geropsychiatry Faculty Search Committee
2011

2009-present Dept. of Psychiatry Residency Research Track Director

2009 - Present

2008-09 VIPBG/Psychiatry Clinical Faculty Search Committee
2008

2007-08 VIPBG/Psychiatry Neuroscience Faculty Search Committee
2007

2007-present Dept. of Psychiatry Residency Research Track Advisory Sub-Committee
2007 - Present

2003-present Dept. of Psychiatry Grand Rounds Committee
2003 - Present

2003-04 Dept. of Psychiatry Residency Research Track Planning Committee
2003

2003 Dept. of Psychiatry Faculty Pay Plan Committee
2003

2002-2016 Coordinator, VIPBG Weekly Seminar
2002 - 2016

Publications

Papers Published in Peer Reviewed Journals

1. Cecilione JL*, Rappaport LM, Hahn SE, Anderson AE, Hazlett LE, Burchett JR, Moore AA, Savage JE, **Hettema JM**, Roberson-Nay R. Genetic and Environmental Contributions of Negative Valence Systems to Internalizing Pathways. Twin Res Hum Genet. 2018 Feb;21(1):12-23. PMID: 29369039. PMCID: PMC5884079.

2. Cecilione JL*, Rappaport LM, Verhulst B, Carney DM, Blair RJ, Brotman MA, Leibenluft E, Pine DS, Roberson-Nay R, **Hettema JM**. Test-Retest Reliability of the Facial Expression Labeling Task. Psychol Assess. 2017 Feb 23. PMID: 28230406 PMCID: PMC5568997.

3. Edwards AC, Docherty AR, Moscati A, Bigdeli TB, Peterson RE, Webb BT, Bacanu SA, **Hettema JM**, Flint J, Kendler KS. Polygenic risk for severe psychopathology among Europeans is associated with major depressive disorder in Han Chinese women. Psychol Med. 2017 Oct 3:1-13. PMID: 28969721. PMCID: PMC5843532.

4. Rappaport, LM*, Sheerin, C, Carney, DM, Towbin, KE, Leibenluft, E, Pine, DS, Brotman, MA, Roberson-Nay, R, & **Hettema, JM**. Clinical correlates of carbon dioxide hypersensitivity in children. J Am Acad Child Adolesc Psychiatry. 2017 Dec;56(12):1089-1096. PMID: 29173743 PMCID: PMC5762134

5. Moore AA*, Carney D, Moroney E, Machlin L, Towbin KE, Brotman MA, Pine DS, Leibenluft E, Roberson-Nay R, **Hettema JM**. The Inventory of Callous-Unemotional Traits (ICU) in Children: Reliability and Heritability. Behav Genet. 2017 Mar;47(2):141-151. PMID: 27909830. PMCID: PMC5305430.

6. Tseng WL, Moroney E, Machlin L, Roberson-Nay R, **Hettema JM**, Carney D, Stoddard J, Towbin KA, Pine DS, Leibenluft E, Brotman MA. Test-retest reliability and validity of a frustration paradigm and irritability measures. *J Affect Disord*. 2017 Jan 23;212:38-45. PMID: 28135689. PMCID: in process.
7. Lee M*, Aggen SH, Carney DM, Hahn S, Moroney E, Machlin L, Brotman MA, Towbin KE, Leibenluft E, Pine DS, Roberson-Nay R, **Hettema JM**. Latent structure of negative valence measures in childhood. *Depress Anxiety*. 2017 Aug;34(8):742-751. PMID: 28543958 PMCID: PMC5542863.
8. Rappaport LM*, Sheerin C, Savage JE, **Hettema JM**, Roberson-Nay R. Clinical characteristics of latent classes of CO2 hypersensitivity in adolescents and young adults. *Behav Res Ther*. 2017 Jun;93:95-103. PMID: 28395158. PMCID: PMC5502686.
9. Michalska KJ, Machlin L, Moroney E, Lowet DS, **Hettema JM**, Roberson-Nay R, Averbeck BB, Brotman MA, Nelson EE, Leibenluft E, Pine DS. Anxiety symptoms and children's eye gaze during fear learning. *J Child Psychol Psychiatry*. 2017 Nov;58(11):1276-1286. PMID: 28736915. PMCID: in process.
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8. E. Maron, **J.M. Hettema**, J. Shlik. "The Genetics of Human Anxiety Disorders". In: Blanchard RJ, Blanchard DC, Griebel G and Nutt D (Eds.) Handbook of Anxiety and Fear, Handbook of Behavioral Neuroscience Series Vol 17. Elsevier (2008).

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Other Publications

1. Book Review: V. Starcevic, Anxiety Disorders in Adults, Oxford University Press (2005), in *Psychological Medicine* **35**, 929-930 (2005).

2. Book Review: R.G. Heimberg, C.L. Turk, D.S. Mennin (eds), Generalized Anxiety Disorder: Advances in Research and Practice, Guilford Press (2004), in *Psychological Medicine* **35**, 1234 (2005).

3. Book Review: Generalized Anxiety Disorder Across the Lifespan, Springer (2009), in *Psychological Medicine* **40**, 700-01 (2010).

4. Case Report: **J.M. Hettema** and D.E. Ross. "A Case of Aripiprazole-Related Tardive Akathisia and Its Treatment with Ropinirole". *Journal of Clinical Psychiatry* **68**, 1814-15 (2007). PMID: 18052582

Lay Press Interviews or Publications

1. Interviewed by Richmond affiliate (WCVE) of National Public Radio (01/14/2016) regarding study published in Molecular Psychiatry that month, "Meta-analysis of genome-wide association studies of anxiety disorders."

2. Interviewed for online article in BuzzFeed (03/25/2015) "11 Questions You Might

Secretly Have about Anxiety". <http://www.buzzfeed.com/lauren paul/things-you-may-have-wondered-about-anxiety>

3. Interviewed for article in Richmond Times Dispatch (10/31/2011) "Fear: Scientists are studying the causes and treatments for panic and anxiety attacks".
4. Interviewed by Medscape Medical News for comments on a junior investigator's poster presentation at the 2011 ADAA conference (published online 3/30/2011).
5. Interviewed for doctoral dissertation (V. Lux) as expert on genetics and the practice of psychiatry (2/10/09).
6. Interviewed for articles in Richmond Times Dispatch on phobias (7/26/07) and PTSD (9/16/07).
7. Interviewed for an article in Women's eNews as expert in anxiety in women (11/05).
8. Article in The Post, Athens, OH (7/7/05), "OU Attempts to Relieve Stress of OCD Students", identified as expert on anxiety disorders and OCD.
9. Invited article in ABIL Fall 2002 newsletter, "Anxiety Disorders: A Family Affair".

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