

Evidence of Executive Dysfunction in Co-occurring Substance Use Disorder and Major
Depressive Disorder or Antisocial Personality Disorder

Lara N. Moody

Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University
in partial fulfillment of the requirements for the degree of

Master of Science
In
Psychology

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Christopher Franck
Robert Stephens

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Blacksburg, VA

Keywords: Executive Function, Substance Use, Psychopathology, Major Depressive
Disorder, Antisocial Personality Disorder

MEMORANDUM**DATE:** September 1, 2014**TO:** Warren K Bickel, Kirstin Gatchalian, Laura Hatz, Mikhail N Koffarnus, Lara Moody, Christopher Thomas Franck, Mariah L Schroen, Corey Judd, Derek P Spangler, Jessica Renee Washington, Jamie Turner, Patsy Ann Marshall, Elan Samuel Perry, Amanda Jo Quisenberry, Brian Brown, Nicole Seymour, Alexander G Bianco, Sarah E Snider, Jeffrey S Stein, Celia Rose Eddy**FROM:** Virginia Tech Institutional Review Board (FWA00000572, expires April 25, 2018)**PROTOCOL TITLE:** Executive Functioning Therapy: Screening**IRB NUMBER:** 11-166

Effective September 1, 2014, the Virginia Tech Institutional Review Board (IRB) Chair, David M Moore, approved the Amendment request for the above-mentioned research protocol.

This approval provides permission to begin the human subject activities outlined in the IRB-approved protocol and supporting documents.

Plans to deviate from the approved protocol and/or supporting documents must be submitted to the IRB as an amendment request and approved by the IRB prior to the implementation of any changes, regardless of how minor, except where necessary to eliminate apparent immediate hazards to the subjects. Report within 5 business days to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.

All investigators (listed above) are required to comply with the researcher requirements outlined at:

<http://www.irb.vt.edu/pages/responsibilities.htm>

(Please review responsibilities before the commencement of your research.)

PROTOCOL INFORMATION:Approved As: **Expedited, under 45 CFR 46.110 category(ies) 3,4,7**Protocol Approval Date: **February 22, 2014**Protocol Expiration Date: **February 21, 2015**Continuing Review Due Date*: **February 7, 2015**

*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

FEDERALLY FUNDED RESEARCH REQUIREMENTS:

Per federal regulations, 45 CFR 46.103(f), the IRB is required to compare all federally funded grant proposals/work statements to the IRB protocol(s) which cover the human research activities included in the proposal / work statement before funds are released. Note that this requirement does not apply to Exempt and Interim IRB protocols, or grants for which VT is not the primary awardee.

The table on the following page indicates whether grant proposals are related to this IRB protocol, and which of the listed proposals, if any, have been compared to this IRB protocol, if required.

Date*	OSP Number	Sponsor	Grant Comparison Conducted?
07/09/2012	11238005	NIH, Center for Scientific Review	Compared on 02/22/2011

* Date this proposal number was compared, assessed as not requiring comparison, or comparison information was revised.

If this IRB protocol is to cover any other grant proposals, please contact the IRB office (irbadmin@vt.edu) immediately.

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Effective September 1, 2014, the Virginia Tech Institutional Review Board (IRB) Chair, David M Moore, approved the Amendment request for the above-mentioned research protocol.

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PROTOCOL INFORMATION:Approved As: **Expedited, under 45 CFR 46.110 category(ies) 3,4,7**Protocol Approval Date: **February 22, 2014**Protocol Expiration Date: **February 21, 2015**Continuing Review Due Date*: **February 7, 2015**

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FEDERALLY FUNDED RESEARCH REQUIREMENTS:

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Date*	OSP Number	Sponsor	Grant Comparison Conducted?
06/11/2012	11252305	National Institutes of Health	Compared on 02/22/2011

* Date this proposal number was compared, assessed as not requiring comparison, or comparison information was revised.

If this IRB protocol is to cover any other grant proposals, please contact the IRB office (irbadmin@vt.edu) immediately.

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Effective September 1, 2014, the Virginia Tech Institutional Review Board (IRB) Chair, David M Moore, approved the Amendment request for the above-mentioned research protocol.

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(Please review responsibilities before the commencement of your research.)

PROTOCOL INFORMATION:**Approved As:** Expedited, under 45 CFR 46.110 category(ies) 3,4,7**Protocol Approval Date:** February 28, 2014**Protocol Expiration Date:** February 27, 2015**Continuing Review Due Date*:** February 13, 2015

*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

FEDERALLY FUNDED RESEARCH REQUIREMENTS:

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Date*	OSP Number	Sponsor	Grant Comparison Conducted?
07/10/2012	11238005	NIH, Center for Scientific Review	Compared on 02/28/2011

* Date this proposal number was compared, assessed as not requiring comparison, or comparison information was revised.

If this IRB protocol is to cover any other grant proposals, please contact the IRB office (irbadmin@vt.edu) immediately.

MEMORANDUM

DATE: September 1, 2014

TO: Warren K Bickel, Kirstin Gatchalian, Mikhail N Koffarnus, Laura Hatz, Lara Moody, Christopher Thomas Franck, Derek P Spangler, Mariah L Schroen, Brian Brown, Elan Samuel Perry, Celia Rose Eddy, Sarah E Snider

FROM: Virginia Tech Institutional Review Board (FWA00000572, expires April 25, 2018)

PROTOCOL TITLE: Executive Function Therapy: Cognitive Flexibility

IRB NUMBER: 11-219

Effective September 1, 2014, the Virginia Tech Institutional Review Board (IRB) Chair, David M Moore, approved the Amendment request for the above-mentioned research protocol.

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(Please review responsibilities before the commencement of your research.)

PROTOCOL INFORMATION:

Approved As: **Expedited, under 45 CFR 46.110 category(ies) 3,7**
Protocol Approval Date: **February 28, 2014**
Protocol Expiration Date: **February 27, 2015**
Continuing Review Due Date*: **February 13, 2015**

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MEMORANDUM

DATE: September 1, 2014

TO: Warren K Bickel, Kirstin Gatchalian, Mariah L Schroen, Brian Brown, Elan Samuel Perry, Christopher Thomas Franck, Lara Moody, Sarah E Snider, Celia Rose Eddy

FROM: Virginia Tech Institutional Review Board (FWA00000572, expires April 25, 2018)

PROTOCOL TITLE: Executive Funtion Therapy: Attention

IRB NUMBER: 11-220

Effective September 1, 2014, the Virginia Tech Institution Review Board (IRB) Chair, David M Moore, approved the Amendment request for the above-mentioned research protocol.

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(Please review responsibilities before the commencement of your research.)

PROTOCOL INFORMATION:

Approved As: **Expedited, under 45 CFR 46.110 category(ies) 3,7**
Protocol Approval Date: **February 28, 2014**
Protocol Expiration Date: **February 27, 2015**
Continuing Review Due Date*: **February 13, 2015**

*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

FEDERALLY FUNDED RESEARCH REQUIREMENTS:

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MEMORANDUM

DATE: September 1, 2014

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FROM: Virginia Tech Institutional Review Board (FWA00000572, expires April 25, 2018)

PROTOCOL TITLE: Executive Function Therapy: Planning II

IRB NUMBER: 11-233

Effective September 1, 2014, the Virginia Tech Institutional Review Board (IRB) Chair, David M Moore, approved the Amendment request for the above-mentioned research protocol.

This approval provides permission to begin the human subject activities outlined in the IRB-approved protocol and supporting documents.

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PROTOCOL INFORMATION:

Approved As: **Expedited, under 45 CFR 46.110 category(ies) 2,4,7**
Protocol Approval Date: **March 4, 2014**
Protocol Expiration Date: **March 3, 2015**
Continuing Review Due Date*: **February 17, 2015**

*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

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Date*	OSP Number	Sponsor	Grant Comparison Conducted?
07/09/2012	11252305	National Institutes of Health	Compared on 03/03/2011

* Date this proposal number was compared, assessed as not requiring comparison, or comparison information was revised.

If this IRB protocol is to cover any other grant proposals, please contact the IRB office (irbadmin@vt.edu) immediately.