

Curriculum Vitae for Promotion, Probationary Review and Tenure

Name R. Adam Franssen, Ph.D.

Date September 3, 2016

Department Biological and Environmental Sciences

Date Appointed August 10th, 2010

Rank at Appointment Assistant Professor

Present Rank Associate Professor

Date(s) of part-time employment at Longwood N/A

Date(s) of leave of absence from employment at Longwood N/A

I. EDUCATION AND EMPLOYMENT DATA

A. Academic Preparation

Institution	Area of Study	Dates	Degree
University of Chicago	Organismal Biology and Anatomy	2000-2007	Ph.D.
Hartwick College	Biology	1995-1999	B.A. <i>Cum Laude</i>

B. Title – Master’s Thesis: N/A

C. Title – Doctoral Dissertation: *Chondrogenesis, Apoptosis, and Gene expression in Urodele Limbs*

D. Academic Degree Programs or Special Courses of Study in Progress: N/A

E. Professional Licenses: N/A

F. Academic Employment:

Institution	Position	Dates
Longwood University	Assistant Professor of Biology	2010 - Present
University of Richmond	MacEldin Trawick Postdoctoral Fellow	2009-10
Randolph-Macon College	Post-doctoral Research Fellow	2008-09
Roan State Community College	Assistant Professor of Biology	2007-08
University of Chicago	Graduate Research Assistant	2000-07
University of Chicago	Graduate Teaching Assistant	2002-04
University of Pennsylvania	Graduate Teaching Assistant	1999-00
Hartwick College	Post-Bachelor Research Assistant	1999
Hartwick College	Undergraduate Teaching Assistant	1998
Hartwick College	Summer Undergraduate Research Fellow	1997,8
Hartwick College	Undergraduate Research Assistant	1996-99

G. Related Experience or Employment: N/A

H. Honors, Biographical Listings, Honorary Societies: N/A

1. **Awarded** *Tri Sigma 2014-2015 Outstanding Service to the Community Award*
2. *Nominated* for the 2014-2015 Longwood University Junior Faculty Award
3. *Nominated* for the 2014-2015 Longwood University Faculty Citizen Leadership Award
4. *Nominated* for the 2013-14 Maude Glenn Raiford Teaching Award (Junior Faculty)
5. **Awarded** the 2012-2013 Cook Award for mentorship of undergraduate research students
6. *Nominated* for the 2012-2013 Longwood University Junior Faculty Award

I. Membership in Learned Societies or Professional Memberships:

Society	Dates
1. Society for Neuroscience (SFN)	2009-Current
2. Symposium for Young Neuroscientists And Professors of the SouthEast (SYNAPSE)	2013-Current
3. Central Virginia Chapter of the Society for Neuroscience	2016-Current
4. Southeastern Institute for Operations Research and Management Sciences (SEINFORMS)	2011-Current
5. Virginia Academy of Sciences (VAS)	2015-Current
6. Decision Sciences Institute (DSI)	2011-2014
7. Society for Integrative and Comparative Biology (SICB)	2002-2009
8. Beta Beta Beta National Biological Honor Society (BBB)	1997-Current

II. PROFESSIONAL GROWTH

A. Professional Responsibilities:

1. Department:
 - a. Advisor to Biology Majors
 - b. Search Committees (2012-present)
 - i. 2016 Molecular Biologist Search Committee Co-Chair
 - ii. 2015 Molecular Biologist Search Committee Co-Chair
 - iii. 2015 Biology Lecturer Search Committee
 - iv. 2015 Research Scientist I Search Committee
 - v. 2014 Molecular Biologist Search Committee
 - vi. 2013 Physiologist Search Committee 1 Co-Chair
 - vii. 2013 Physiologist Search Committee 2 Co-Chair
 - viii. 2012 Ecologist Search Committee 1 Co-Chair
 - ix. 2012 Ecologist Search Committee 1 Co-Chair
 - c. Outreach Committee (2011-present)
 - d. Biology Grade Appeal Committee (2014)
 - e. IACUC Committee (2012-2013)

2. College:
 - a. Cook-Cole Awards Committee (2014-present)

3. University:
 - a. Registrar Search Committee (2016)
 - b. Faculty Senate (2015-2017)
 - c. Committee on Educational Policy (2012-Present)
 - d. Institutional Animal Care And Use Committee (2013-Present)
 - e. Quality Enhancement Plan Working Group (2012-2013)
 - f. Faculty Advisor, Women's Rugby, LU (2011-2012)

4. State:
 - a. Master's Thesis Dissertation Committee Member, George Mason University (2015)
 - b. Master's Thesis Dissertation Committee Member University of Richmond (2010)

5. Region:
 - a. Steering Committee, Symposium for Young Neuroscientists And Professors of the SouthEast (2014-Current)

6. National/International:
 - a. Reviewer: Journal of Experimental Zoology Part B: Molecular and Developmental Evolution
 - b. Textbook Reviewer: Clinical Neuroscience, Oxford University Press

- B. Certifications:
 - a. Online Teaching Certification, Longwood Online Teaching Institute (LOTI) 2014
 - b. Online Teaching Certification, Longwood Online Teaching Institute (LOTI) 2011

- C. Attendance at Conventions, Conference, etc. *Denotes Undergraduate Collaborator

<u>Conference</u>	<u>Date</u>
<ol style="list-style-type: none"> 1. Symposium for Young Neuroscientists And Professors of the SouthEast (author; poster) <i>Prefrontal Cortex, Amygdala, and Hippocampus involved in Maternal Rat Decision Making</i> Unroe K*, Fruchterman T*, Ripley A*, Kosierek K*, Franssen CL, Franssen RA 2. Central Virginia Chapter of the Society for Neuroscience (author; poster) <i>What Determines a "Good" or "Bad" Mom? Evidence from Behavioral and Immunocytological Data in Maternal Sprague-Dawley Rats</i> Unroe KA*, Kosiorek KM*, Franssen CL, Franssen RA 3. Southeast Institute for Research and Operation Science (author; talk) <i>Putting Neuroscience in the Business Curriculum</i> Lowry G, White C, Barrett P, Franssen R, Franssen C 	2016 2016 2016

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- | <u>Conference</u> | <u>Date</u> |
|--|-------------|
| 4. Virginia Academy of Sciences (author; poster)
<i>Pup Recognition and Decision Making in Maternal Rats</i>
Unroe KA*, Franssen RA | 2015 |
| 5. Symposium for Young Neuroscientists And Professors of the SouthEast (author; poster)
<i>Effects of Environmental Enrichment on Recovery from Neurotoxic Insult</i>
Lotts, BA*, Unroe K*, Palmiter C*, Franssen RA | 2015 |
| 6. Symposium for Young Neuroscientists And Professors of the SouthEast (author; poster)
<i>Decision making in maternal rats: Discriminating between own and alien pups</i>
LaFevre J*, Palmiter C*, Franssen CL, Franssen RA | 2015 |
| 7. Society for Neuroscience (author; poster)
<i>Maternal rats use frontal cortex to discriminate between own and alien pups</i>
Franssen, RA, Hauver AJ*, Lafevre J*, Clasen M*, Gaffney K*, Pardes A*, Pruett R*, Uyguner H*, Vassallo M*, Franssen CL | 2014 |
| 8. Society for Neuroscience (author; poster)
<i>Understanding the role of neuroeconomics in an undergraduate curriculum</i>
Lowry GS, Franssen CL, Hollenbeck SM*, Franssen RA | 2014 |
| 9. Symposium for Young Neuroscientists And Professors of the SouthEast (author; poster)
<i>Discrimination between Own and Alien Pups in the Maternal Rat</i>
Hauver AJ*, LaFevre J*, Mills J*, Russell C*, Clasen M*, Gaffney K*, Pardes A*, Pruett R*, Uyguner H*, Vassallo M*, Franssen CL, Franssen RA | 2014 |
| 10. Society for Neuroscience (author; poster)
<i>Pup recognition in the rat (Rattus norvegicus)</i>
RA Franssen, AJ Hauver*, JM Mills*, CL Franssen | 2013 |
| 11. Society for Neuroscience (author; poster)
<i>A neuroeconomics course for undecided freshmen – The economist’s perspective</i>
CL Franssen, GS Lowry, RA Franssen | 2013 |
| 12. Society for Neuroscience (author; poster)
<i>A neuroeconomics course for undecided freshmen – The neuroscientist’s perspective</i>
CL Franssen, GS Lowry, RA Franssen | 2013 |
| 13. Southeast Institute for Research and Operation Science (presenter; workshop)
<i>Workshop: Don’t Read Those Slides! Tips for Improving Conference Presentations</i>
GS Lowry, WM Andrews, CL Franssen, RA Franssen | 2013 |

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<u>Conference</u>	<u>Date</u>
<p>14. Society for Neuroscience (author; poster) <i>Does environment alter perceptions of life-threatening and non-life-threatening stressors?</i> CL Franssen, TS Kuntz*, ME Gretka*, ZA Reinerth*, GS Lowry RA Franssen</p>	2012
<p>15. Decision Sciences Institute (author; talk) Innovative Education Session <i>Mythbusters: Why People Make Dumb Decisions</i> GS Lowry, CL Franssen, RA Franssen</p>	2012
<p>16. Southeast Institute for Research and Operation Science (author; talk) <i>Toward More Effective Presentations</i> CL Franssen, GS Lowry, RA Franssen, W Andrews</p>	2012
<p>17. Society for Neuroscience (author; poster) <i>The Evolution of Natural Environments</i> CL Franssen, GS Lowry, RA Franssen</p>	2011
<p>18. Society for Neuroscience (author; talk) <i>Motherhood/reproductive experience regulates and enhances attention and novel forms of memory in the rat</i> K Rafferty, T Bilinski, A Au, E Mcdaniel, E Sinclair, M. McMaster, RA Franssen, K Black*, R Enga*, S Stahl, B Woodside, EA Meyer, CH Kinsley</p>	2011
<p>19. Southeast Institute for Research and Operation Science (author; talk) <i>A Natural Evolution in Products</i> CL Franssen, GS Lowry, RA Franssen</p>	2011
<p>20. Decision Sciences Institute (author; talk) <i>If Doors Could Talk</i> CL Franssen, GS Lowry, RA Franssen</p>	2011
<p>21. International Behavioral Neuroscience Society (author; talk) <i>Potential evidence for prospective memory in parous rats</i> Franssen, RA; Rafferty, KA; Kinsley, CH.</p>	2011
<p>22. Society for Neuroscience (presenter; poster) <i>Planning - and "thinking" - ahead for mothers: Reproductive experience may regulate prospective memory in rats</i> R A Franssen, D Rafferty, D Byce, E Mcdaniel, S Khan, M Lucia, B Marks, AD-PL Phan, D Sedio, E Sinclair, H Tujuba, EA Meyer, CH Kinsley</p>	2010
<p>23. Society for Neuroscience (author; poster) <i>Neuroplasticity underlying enhanced cognition following paternal experience in Peromyscus californicus</i> CL Franssen, JE Hampton, M Bardi, EA Shea, J Huber, AP Rhone, RA Franssen, MM Hyer, KG Lambert</p>	2010

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Conference Date

- 24. Society for Neuroscience (presenter; poster)** 2009
Maternal Experience May Protect Learning and Memory from Neurotoxic Insult
 Franssen RA, Franssen CL, Rzucidlo A, Benkovic SA, Kinsley CH, Lambert K.
- 25. Society for Neuroscience (author; poster)** 2009
Cognitive Development: Prenatal to Aging
 Kinsley CH, Norkunas T, Worthington-Stoneman D, Dinces SM, Bodary JM, Wright CL, Vincent M, Tomarchi AJ, Dibello AM, Baranova AI, Felicio LF, Bardi M, Lambert KG, Franssen RA
- 26. Society for Neuroscience (author; poster)** 2009
Hippocampal plasticity associated with paternal responsivity in two Peromyscus species Franssen CL, Karsner S, Tu E, Hyer MM, Franssen A, Kinsley C, Lambert KG.
- 27. Society for Integrative and Comparative Biology (presenter; talk)** 2009
The effects of naris occlusion on cilia development and protein expression
 Franssen RA and Coppola D.
- 28. Society for Integrative and Comparative Biology (presenter; talk)** 2008
The Role of Apoptosis in Developing Amphibian Limbs
 Franssen RA and Shubin NH
- 29. Society for Integrative and Comparative Biology (presenter; talk)** 2004
Chondrogenesis in the Limbs of Urodeles Ambystoma and Desmognathus
 Franssen RA

D. Other Travel: N/A

III. Scholarly Activities

A. **Research**

1. Neural Differences between Parental and Non-Parental Rats 2009-Current
2. Toward Better Presentations (pedagogical) 2012-Current
3. Using Food as a Vehicle for Teaching Biology and Chemistry to Non-Majors (pedagogical) 2013-Current
4. The effects of Naris Occlusion on development 2008-09
5. Comparative Evolution and Development of Urodeles 2007-2011
6. Evolution and Development of the Direct-Developing Salamander *Desmognathus aeneus* 2000-07
7. Fluctuating Assymetry in Developing *Rana catesbiana* 1998-99
8. Ecology and Development of Deformed Frogs 1997-99

B. Publications

**Indicates Undergraduate Collaborator*

1. Unroe K*, Hauver AJ*, Fruchterman T*, Franssen CL, Franssen RA . *Discrimination between own and alien pups in the maternal rat* (in prep).
Franssen RA, Fruchterman T*, Unroe K*, Lafevre J*, Clasen M*, Gaffney K*, Pardes A*, Pruett R*, Uyguner H*, Vassallo M*, Franssen CL. *Prefrontal Cortex, Amygdala, and Hippocampus involved in Maternal Rat Decision Making* (in prep).
2. Franssen RA, Rafferty K*, Blair JC, Black K*, Lambert KG, Kinsley CH.
Evidence for Prospective Memory in Rats (in prep)
3. Kinsley CH, Blair JC, Karp NE*, Hester NW*, McNamara IM*, Orthmeyer AL*,
McSweeney MC*, Bardi MM, Karelina K*, Christon LM*, Sirkin MR*, Victoria LW*,
Skurka DJ*, Fyfe CR*, Hudepohl MB*, Felicio LF, Franssen RA, Meyer EEA, da Silva IS
& Lambert KG, (2014). *The mother as hunter: significant reduction in foraging costs through enhancements of predation in maternal rats. Hormones and Behavior* 66(4): 649-654.
4. Franssen RA, Rzucidlo AM*, Franssen CL, Hampton JE, Benkovic Jr A, Bardi M,
Kinsley C, Lambert KG (2012)
Reproductive experience facilitates recovery from kainic acid-induced neural insult in female Long Evans rats. Brain Research 1454:80-89.
5. Kinsley CH, Franssen RA, Amory Meyer E (2012)
Reproductive experience may positively adjust the trajectory of senescence. Current Topics in Behavioral Neuroscience 10:317-345
6. Franssen CL, Bardi M, Shea EA*, Hampton JE, Franssen RA, Kinsley CH, Lambert KG
(2011)
Fatherhood alters behavior and neural responsiveness in a spatial task. Journal of Neuroendocrinology 23:1177-1187
7. Kinsley CH and Franssen RA (2010)
The Pregnant Brain as a Revving Race Car: Mothers-to-Be Get Better at Recognizing Emotions. Scientific American January 19th.
8. Kinsley CH, Norkunas T*, Worthington-Stoneman D*, Dinces SM*, Bodary JM*,
Wright CL*, Vincent M*, Tomarchio AJ*, Dibello AM*, Baranova A*, Felicio LF, Bardi M, Lambert KG, Franssen RA (2009)
The "maternal neuron": Production and activation of specific neurons that are responsive to offspring sensory cues, and that may dictate quality/quantity of maternal care. Society for Neuroscience Abstracts, 35, 2009.
9. Franssen RA, Marks S, Wake D, and Shubin, N. (2005)
Limb chondrogenesis of the seepage salamander, Desmognathus aeneus (Amphibia : Plethodontidae) Journal of Morphology 265: 87-101
10. Franssen RA (2003)
Chondrogenesis in the developing limbs of urodeles Ambystoma and Desmognathus. Integrative and Comparative Biology 43: 1011-1011

C. Publications***Indicates Undergraduate Collaborator**

11. Stopper GF*, Hecker L*, Franssen RA*, Sessions SK. (2002)
How trematodes cause limb deformities in amphibians. Journal of Experimental Zoology 294: 252-263
12. Sessions SK, Franssen RA*, Horner VL* (1999)
Morphological clues from multilegged frogs: Are retinoids to blame? Science 284: 800-802

D. Grants Awarded

Grant Awarded	Amount	Date
1. Cook Cole Fund, Cook-Cole College of Arts and Sciences, LU	\$3,000	2016
2. Student Research Grant, Office of Student Research, LU	\$500	2015
3. Research Apprenticeship Program, Office of Student Research, LU	\$700	2015
4. QEP Disciplinary Course Development, Office of Student Research, LU	\$3,500	2015
5. Faculty Research and Development Grant, Longwood University	\$6,000	2015
6. PRISM Principle Investigator Grant	\$6,000	2015
7. Faculty Research and Development Grant, Longwood University	\$8,000	2014
8. PRISM Principle Investigator Grant <i>Not Awarded to allow opportunity for other faculty and diversity in the program (i.e., not merit-based)</i>		2014
9. PRISM Principle Investigator Grant	\$6,000	2013
10. Faculty Research and Development Grant, Longwood University	\$9,000	2013
11. PRISM Principle Investigator Grant	\$6,000	2012
12. Equipment Trust Fund Grant, Longwood University	\$35,000	2012
13. Faculty Research and Development Grant, Longwood University	\$11,000	2012
14. Undergraduate Scholarship Fund Travel Grant, Longwood University	\$2,300	2012
15. NSF Equipment Grant (Co-author with C. Kinsley; Equipment housed at the University of Richmond)	\$600,000	2011
16. Faculty Research and Development Grant, Longwood University	\$8000	2011
17. Undergraduate Scholarship Fund Travel Grant, Longwood University	\$1,700	2011
18. Equipment Trust Fund Grant, Longwood University	\$10,000	2010

E. Scientific Outreach:

1. High School Science Scholar Host Sept. 2014
 - i. My research lab hosted students from Cosby High School (Chesterfield County) as part of the students' requirement to intern in a scientific setting
2. Neuroscience Training Workshop Aug. 2014
 - i. My research lab hosted an undergraduate student from James Madison University to teach techniques in preparation for graduate programs in neuroscience
3. Media Coverage:

Media Outlet	Date
• Maternal Brain research featured on NBC8 Tampa Bay http://www.wfla.com/story/29188669/research-claims-moms-are-smarter-than-other-women	Spring 2015
• Maternal Brain research featured on Tampa Bay Parenting	Spring 2015
• Maternal Brain research featured in the Longwood Magazine as part of a piece on PRISM	Fall 2014
• Maternal Brain research featured on thefitbump360.com <ol style="list-style-type: none">○ National placement (~6 million unique monthly viewers)	August 2014
• Maternal Brain research featured by redditt.com as an "AMA: Ask Me Anything" in the Science section. <ol style="list-style-type: none">○ The Science Subredditt has an audience of over 5 million, and the AMA itself was reached #7 on the home page (one of the top 25 websites on the internet)○ Featured on the Longwood Homepage, as a Longwood News article, and a Longwood Buzz article○ Story picked up by international media outlets	July 8, 2014
• Maternal Brain research featured by Smithsonian.com , received national and international attention, with over 1.5million views. <ol style="list-style-type: none">○ National placement examples include:<ul style="list-style-type: none">▪ Smithsonian.com "How Motherhood Makes You Smarter", By: Megan Gambio, May 9, 2013▪ Discovery News Blog (Discovery Channel online) "Are Moms' Brains Bigger?", By: Sheila M. Eldred, May 12, 2013▪ CarolinaParent.com "Does Motherhood Increase Brainpower?" By: Beth Shugg, April 17, 2013▪ Pregnancy & Newborn "Smarty Pants" By: Jillian Smallwood, September, 2013	

F. Invited Presentations

<u>Talk Title</u>	<u>Date</u>
1. "How Amphibian Limbs and Rodent Brains Can Start Your Career" <u>Chichester Colloquium Series</u> , Longwood University, Farmville, VA	2011
2. "Remembering the Future: Mother Knows Best" <u>Blackwell Talk Series</u> , Longwood University, Farmville, VA.	2010
3. "How do we Know what we think we Know?" <u>Psychobiology of Stress</u> , Randolph-Macon College, Ashland, VA.	2010
4. "Scientific Management", <u>Principles of Management</u> , Randolph-Macon College, Ashland, VA.	2008

G. Conference Organizer

1. *The Developmental Basis of Evolutionary Change*
Third Biennial graduate student-run conference held at the University of Chicago; Co-organizer with Rebecca Shearman, Ph.D. 2003

H. Longwood Research Students Mentored

<u>Student</u>	<u>Years in Lab</u>	<u>Placement after Longwood</u>
1) Murriel Grimes '19	2016-	
2) Kathryn Kosiorek '19	2016-	
3) Teresa Fruchterman '18	2015-	
4) Abbey Ripley '18	2015-	
5) Keaton Unroe '17	2014-17	
6) Kiara Crocker '16	2016	
7) Brian Lotts '15	2014-15	Doctor of Physical Therapy, VCU
8) Jessica LaFevre '15	2013-15	Master of Biology, IUP
9) Alexandra Hauver '14	2012-14	Master of Nutrition, G. Washington U.
10) Jenny Mills '14	2013-14	Master of Social Work, VCU
11) Carrie Dunham '13	2012-13	Science Teacher in VA
12) Megan Gretka '13	2012-13	Doctor of Physical Therapy, Lynchburg
13) Theodor Kuntz '13	2012-13	Science Teacher in VA
14) Annie Little '13	2011-13	Master of Surgical Assisting, EVMS
15) Katelyn Black '11	2010-11	Neuroscience Ph.D., Tulane
16) Rachel Enga '11	2010-11	Neuroscience Ph.D., VCU