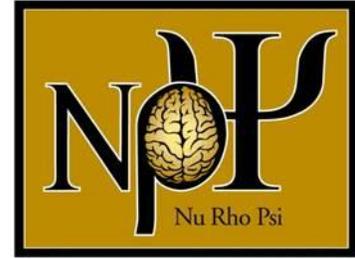


***Nu Rho Psi*, The National Honor Society in Neuroscience**

G. Andrew Mickley¹, Eric P. Wiertelak², Graham
Cousens³ and L. Joseph Achor⁴



¹ Baldwin Wallace University, Executive Director, *Nu Rho Psi*;

² Macalester College, President, *Nu Rho Psi*;

³ Drew University, President-Elect, *Nu Rho Psi*;

⁴ Baylor University, Past-President, *Nu Rho Psi*;

Abstract:

Nu Rho Psi, The National Honor Society in Neuroscience, was established by the Faculty for Undergraduate Neuroscience (FUN) in 2006 and has since become an independent non-profit organization. With 47 chapters across the United States and over 2000 members, *Nu Rho Psi* is a dynamic organization that aims to support the professional growth of its members. Most of our members are invited to join *Nu Rho Psi* during their undergraduate training, but qualified graduate students, faculty, and alumni are also welcome to join. Membership in *Nu Rho Psi* is granted through chartered *Nu Rho Psi* chapters. Schools wishing to foster a chapter of *Nu Rho Psi* may contact the National Office located at Baldwin Wallace University (nurhopsi@bw.edu) and apply for a charter.

Nu Rho Psi has become a vibrant contributor to the neuroscience community through: (1) encouragement of professional interest and excellence in neuroscience, (2) recognition of outstanding scholarship, (3) advancement of the discipline of neuroscience, (4) encouragement of intellectual and social interaction between students, faculty, and professionals, (5) promotion of career development in neuroscience and related fields, (6) increased public awareness of neuroscience and its benefits for society, and (7) encouragement of service to the community.

Going beyond providing recognition of excellence in neuroscience scholarship and research, *Nu Rho Psi* also offers its members the opportunity to apply for travel grants to present their research at the annual Society for Neuroscience (SfN) convention. This year we began to offer grants to support the research of our members as well as the community outreach and educational activities of our chapters. *Nu Rho Psi* members may participate in a variety of professional development opportunities such as national networking videoconferences and access online resources (e.g., “How-to Guide for Graduate school in Neuroscience”).

For more information, see our web page (<http://www.nurhopsi.org/>) or attend our informational session at the Faculty for Undergraduate Neuroscience (FUN) booth during the Society for Neuroscience conference on Monday, 17 November from 11:00am - 12:00noon.

Nu Rho Psi members are encouraged to attend the *Nu Rho Psi* members meeting from 11:00am-12:00noon on Sunday, 16 November, 2014 at the Morrison-Clark Inn

(1015 L St NW, Washington, DC 20001; just a few blocks away from the convention center). The *Nu Rho Psi* National Council business meeting takes place at the same venue from 8:00-11:00am.

History – Timeline in the development of *Nu Rho Psi*

1991- Faculty for Undergraduate Neuroscience (FUN) is created and early discussions about an honor society begin.

Mid 1990s – Dr. Joe Achor accumulates model documents (Constitution and By-Laws) from other honor societies and formulated a basic structure for *Nu Rho Psi*.

1990 – 2000 – As the field of Neuroscience expands nationally, several universities (e.g., Johns Hopkins University, Emory University, Baylor University) start local neuroscience honor societies – some named *Nu Rho Psi*.

1995 – 2000 – FUN leadership (Eric Wiertelak) and Joe Achor coordinate ideas for a national neuroscience honor society with representatives from several local neuroscience honor societies.

2001 – Dr. Jack Boitano of Fairfield University and Past President of FUN (1997-98) begins the process of establishing a national honor society in neuroscience. Boitano adapts the constitution of Psi Chi with wording to fit neuroscience and distributes a partial draft to the members of FUN for comment.

2005 – Dr. Andrew Mickley volunteers to lead a working group of FUN members to organize *Nu Rho Psi*, the National Honor Society in Neuroscience.

2006 - *Nu Rho Psi*, Constitution and By-Laws are approved by the FUN membership and National Council. The FUN Council acts as the *Nu Rho Psi* governing board. Dr. Mickley is elected Executive Director of *Nu Rho Psi* and he establishes a FUN working group to assist in the management of the new honor society.

2006 – The first *Nu Rho Psi* charter is awarded to Baldwin Wallace College (now Baldwin Wallace University). Chapters at Baylor University and Macalester College are established soon thereafter in 2006.

2011 – *Nu Rho Psi* is incorporated (in Ohio) and is granted Tax Exempt status by the IRS.

2013 –The *Nu Rho Psi* Endowment Fund is established. Lake Forest College is recognized as our “Chapter of the Year”.



2014 – The Dali Lama becomes an Honorary Member of *Nu Rho Psi*. We offer our first “Research Grants” and “Chapter Activity Grants”. The honor society grows to 47 chapters and over 2000 members.

Current status of Nu Rho Psi (47 chapters in all 4 regions of the U.S.):

Agnes Scott College
Atlanta University Center Consortium
(Morehouse College, Spelman College,
Clark Atlanta University, and
Morehouse School of Medicine)
Baldwin Wallace University
Baylor University
Boston University
Binghamton University
Carthage College
Centenary College of Louisiana
Central Michigan University
Christopher Newport University
Colorado State University
Concordia College
Denison University
Dominican University
Drew University
Emory University
Georgia State University
Johns Hopkins University
Knox College
Lake Forest College
Macalester College
Miami University
Northeastern University

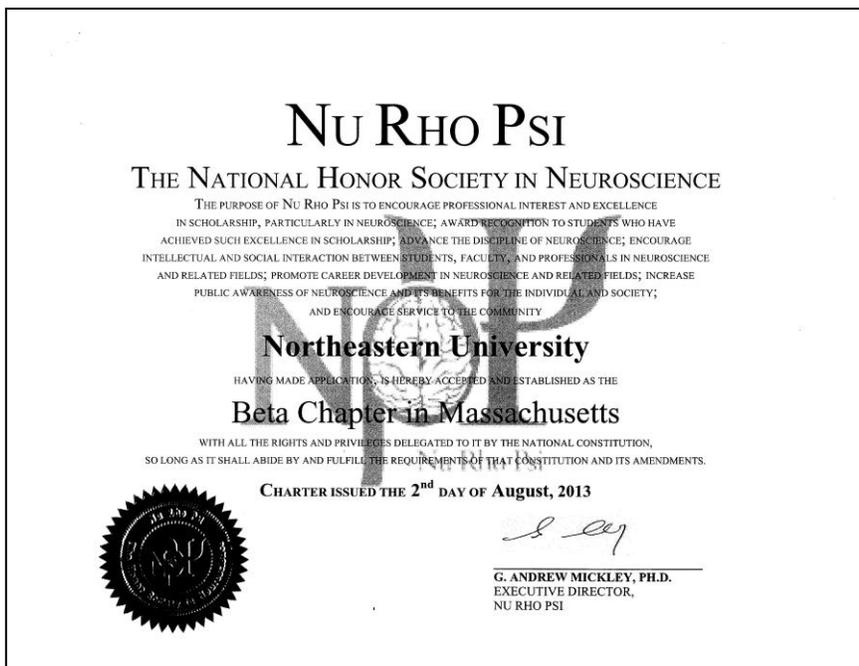
Oberlin College
The Ohio State University
Pioneer Valley (Smith
College; University of Massachusetts,
Amherst)
Rhodes College
Skidmore College
St. Mary's College of Maryland
St. Olaf College
Temple University
Trinity College - Connecticut
Tulane University
Union College
University of Arizona
University of California - Irvine
University of Delaware
University of Evansville
University of Georgia
University of Nebraska, Omaha
University of Nevada, Reno
University of Pennsylvania
University of Scranton
University of Southern California
University of St. Thomas
University of Virginia
Ursinus College



Location of Nu Rho Psi Chapters: See a link to our Google Map:
<http://www.nurhopsi.org/drupal/chapters>

[Type a quote from the document or the summary of an interesting point. You can position the text box anywhere in the document. Use the Drawing Tools tab to change the formatting of the pull quote text box.]

***Nu Rho Psi* continues to grow and has been chartering 5-7 new chapters/year:**





The Lake Forest Chapter wins *Nu Rho Psi* "2013 Chapter of the Year" honors.



Nu Rho Psi inducts our 2000th member at the University of St. Thomas: Joshua Serre (kneeling)

The *Nu Rho Psi* 2014-15 Theme is “The Neuroscience of Addiction” – the focus of our community outreach, fundraising and educational experiences this year.





***Nu Rho Psi* members enjoy Travel Awards that allow them to attend the annual Society for Neuroscience meeting:**

2008

Bonie Kass (Ursinus College)

2010

Tim Lazicki (Dominican University)

Anna Blumenthal (Drew University)

2011

Zoe Hesp (Miami University)

Joe Luchsinger (Baldwin Wallace University)

2012

Elise Flynn (Sponsor: Anne Marie Brady) - St. Mary's College of Maryland

Sage Aronson (Sponsor: Michael Loose) - Oberlin College

Adrienne Stout (Sponsor: Rebecca Kohn) - Ursinus College

2013

Rachel Skipper (Miami University)

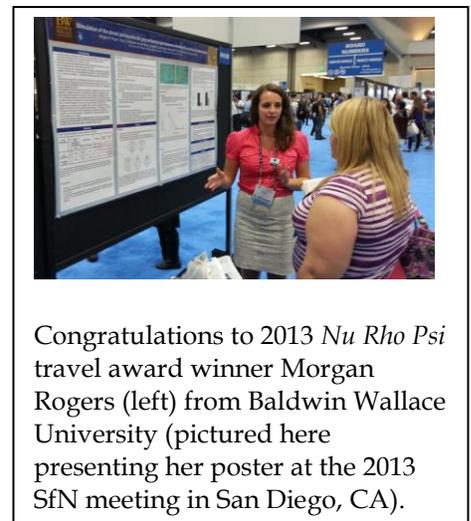
Shane E. Pullins (Miami University)

Jasmine N. Gentry (Georgia State University)

Benjamin Brown (Baldwin Wallace University)

Morgan Rogers (Baldwin Wallace University)

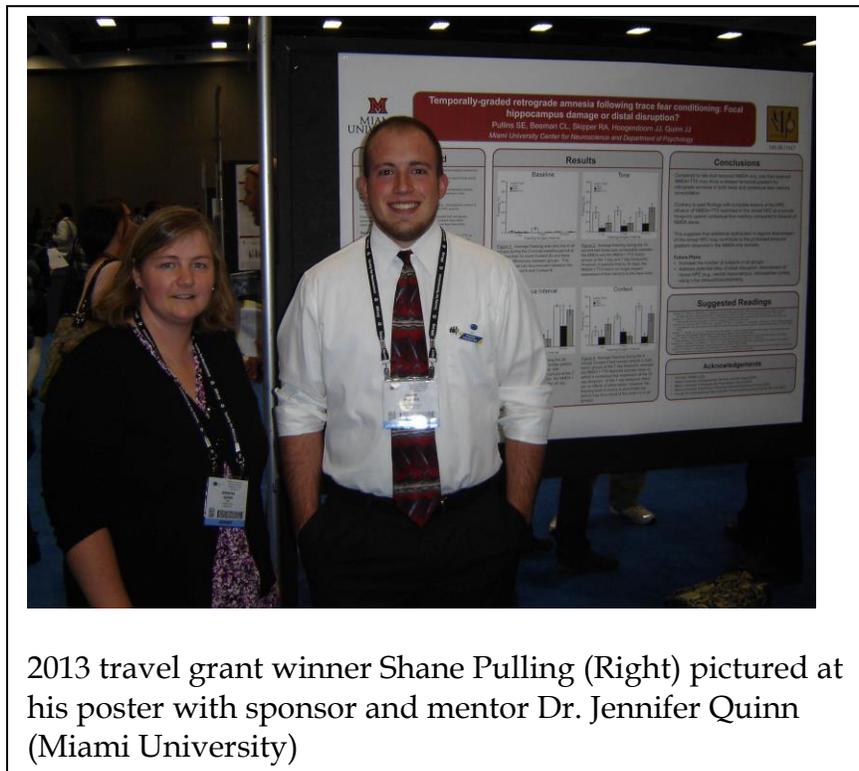
2014



Lucas Huffman, Central Michigan University (sponsor: Dr. Gary Dunbar). Paper title: *Bone marrow-derived mesenchymal stem cells in the suppression of highly proliferative glioblastoma multiforme*

Veronica Burnham, Oberlin College (sponsor: Dr. Jan Thorton). Paper title: *Blocking luteinizing hormone but not gonadotropin-releasing hormone in the dorsal hippocampus rescues spatial memory deficits in ovariectomized female rats*

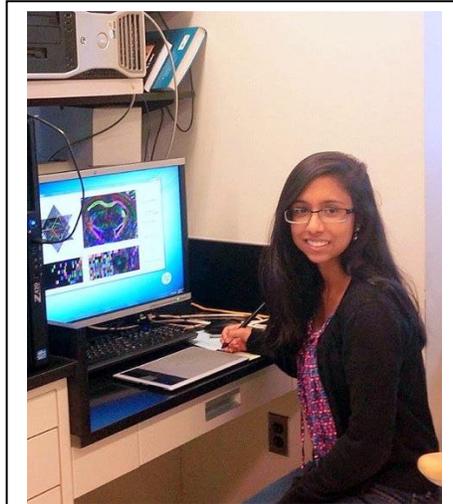
Sara Cottrell-Comber, University of Virginia (sponsor: Dr. Alev Erisir). Paper title: *Multiple Sclerosis Therapeutic Glatiramer Acetate enhances Oligodendrocyte Precursor Cell Differentiation and Remyelination*



***Nu Rho Psi* Summer 2014 Research Grant recipients:**

Biagio Niro (Faculty sponsor: Dr. Jackie Morris) from Baldwin Wallace University, studied “The role of PAD2 in myelination in zebrafish nervous system development.”

Mir Shanaz Hossain (Faculty Sponsors: Dr. Frances Northington and Dr. Jiangyang Zhang) from Johns Hopkins University, studied “Imaging the Extent of Acute Brain Injury after Neonatal Hypoxia Ischemia”.



Recipient of a 2014 *Nu Rho Psi* summer Research Grant.

Communication: The *Nu Rho Psi* website is a rich resource to find a wide variety of information, e.g., How to apply for a new chapter, where to find our publications, lists of National Council officers, Regional Vice Presidents, etc.

See: <http://www.nurhopsi.org/drupal/>

Nu Rho Psi
The National Honor Society in Neuroscience

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- Manage Content
- Change menu

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- Orders
- Sales Reports
- Manage Products
- Create Product
- Manage Catalog
- Manage Store

Account

- My Account

amickley

- Create content
- File Management
- My account
- Administer
- Log out

Nu Rho Psi, The National Honor Society in Neuroscience

Nu Rho Psi is the National Honor Society in Neuroscience, founded in 2006 by the Faculty for Undergraduate Neuroscience.

Visit our "Publications" Page and read the NEW **Guide to Graduate School in Neuroscience**

Welcome to our newest Nu Rho Psi chapter at Northeastern University, Boston, MA!

Listing and map of current Nu Rho Psi chapters. Click here.

Visit our Facebook Page! Click here.

Follow us on Twitter. Click here.

Check out, **ERIN**, the database of educational resources in neuroscience.

The purpose of Nu Rho Psi is to:

- encourage professional interest and excellence in scholarship, particularly in neuroscience;
- award recognition to students who have achieved such excellence in scholarship;
- advance the discipline of neuroscience; encourage intellectual and social interaction between students, faculty, and professionals in neuroscience and related fields;
- promote career development in neuroscience and related fields;
- increase public awareness of neuroscience and its benefits for the individual and society; and
- encourage service to the community.

Who may join?

Membership is by invitation and is open to graduate and undergraduate men and women who are making the study of Neuroscience one of their major interests and who meet the other academic qualifications. Nu Rho Psi is also open to qualifying Neuroscience faculty and alumni of Neuroscience programs.

Requirements for membership include:

- Major or minor in Neuroscience
- Completion of at least 3 semesters of the College course
- Completion of at least 9 semester hours of Neuroscience-related courses

Nu Rho Psi publishes Newsletters and other helpful information for our members. Check out our NEW *Guide to Graduate School in Neuroscience*:

Nu Rho Psi, The National Honor Society in Neuroscience
Presents

**GRADUATE SCHOOL IN NEUROSCIENCE:
A “How-To” Guide for the Application Process
and What to Expect in Graduate School**

Written by: Zoe Ciambro Hesp¹, Nu Rho Psi
Updated: 7-28-13

Table of Contents:

Introduction

Part 1: Application Process Timeline

General information; when to apply; application timeline; undergraduate requirements; the GRE; letters of recommendation; curriculum vitae; MD/PhD option; interviews

Part 2: Graduate School

General information; funding/teaching assistance; external funding; general timeline; lab rotations; classes; candidacy; defense

Part 3: Careers in Neuroscience

Part 4: Other Resources



¹ Zoe Hesp graduated with a bachelor's degree in Zoology from Miami University in 2012. She is currently in the Neuroscience Graduate Studies Program at The Ohio State University. She originally wrote this guidebook just after beginning graduate school herself and having gone through the graduate program search with very little guidance or knowledge of what to expect. She has served as Secretary on the National Council for Nu Rho Psi since 2011. Comments and suggestions from readers regarding this guidebook are always welcomed to help keep this document up-to-date and as informative as possible. Please email all comments and suggestions to Zoe Hesp at hesp.1@osu.edu.

The Future of NRP:

***Nu Rho Psi* Endowment Fund:** Following a generous contribution by NeuroScience Associates, the National Council established an endowment fund that, as our investments grow, we expect will support neuroscience research done by our members.



Want to learn more about *Nu Rho Psi*?

Contact *Nu Rho Psi* Executive Director, Dr. G. A. Mickley (amickley@bw.edu) at the National Office located at Baldwin Wallace University (nurhopsi@bw.edu).

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