

# AARON M. EISEN

[aaeisen@pdx.edu](mailto:aaeisen@pdx.edu)

(808) 636-1362

## OBJECTIVE

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Obtain knowledge and insight related to the fields of biological-psychology, psychedelics, and integrative medicine through research, educational, and clinical experiences.

## EDUCATION

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### National University of Natural Medicine

College of Graduate Studies

Master of Science: Integrative Medicine Research, GPA 4.0

Portland, OR

Expected June, 2021

### Portland State University

Urban Honors College

Summa Cum Laude

Bachelor of Science: Psychology & Social Science, GPA 3.98

Portland, OR

June, 2019

### Kapiolani Community College

Associate of Arts: Liberal Arts, GPA 3.47

Honolulu, HI

May, 2017

## RELEVANT COURSEWORK

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Research Methods in Psychology

Statistics I

Statistics II

Biostatistics I

Biostatistics II

Bioethics

Student Research Assistant

Professional Development I

Professional Development II

Technical Writing

Neuropsychopharmacology

Advanced Neurophysiological Psychology

Neurophysiology: Human Perception

Public Health Policy

Advanced Psychopathology

Clinical Psychology

General Chemistry I

Epidemiology

Research Fundamentals

Pathophysiology

## RESEARCH EXPERIENCE

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### Oregon Health & Science University

Portland, OR

#### Developmental Brain Imaging Lab

*Graduate Student Research Assistant*

Principal Investigator/Supervisor: Bonnie Nagel, Ph.D.

August, 2019 – Present

Conducted statistical analyses under the supervision of the principal investigator and drafted manuscripts for publication. Performed a variety of duties essential to the research study such as data management, statistical analyses, and literature reviews.

**School of Nursing**

June, 2019 – Present

*Research Assistant I*

Principal Investigator/Supervisor: Asma Taha, Ph.D., C.P.N.P. – P.C/A.

Conducted statistical analyses under the supervision of the principal investigator and drafted two manuscripts for publication. Trained incoming student research assistants in using statistical software, reference managers, and conducting literature reviews.

**Portland Alcohol Research Study**

September, 2018 – September, 2019

*Student Research Assistant*

Supervisor: David Amy, M.A.

Principal Investigator: Bonnie Nagel, Ph.D.

Worked as a part of the research team to ensure that ongoing projects met timeline requirements and goals. Assisted with data collection, entry, and tracking of longitudinal outcomes. Performed substance administration (alcohol), detoxing protocols, and administered fMRI computer tasks.

**ADHD & Attention Research Lab**

August, 2018 – June, 2019

*Student Research Assistant*

Supervisor: Jessica M. Tipsord, Ph.D.

Principal Investigator: Joel Nigg, Ph.D.

Administered child cognitive and academic tests (WISC, WIAT, WAIS, WRAT), computerized tasks, and collected data from electrophysiological readings. Assisted with data collection, survey data cleaning and entry, heart-rate variability data cleaning, and electrodermal activity data cleaning.

**Spina Bifida CDC National Registry Study**

August, 2018 – March, 2020

*Student Research Assistant*

Supervisor: Daria Ettinger, R.N. Senior Research Associate

Principal Investigator: Kurt A. Freeman, Ph.D.

Assisted with data collection from Personal Health Records on EPIC and from patient visits to the Spina Bifida Clinic at Doernbecher Children's Hospital. Entered data into the CDC national registry and tracked longitudinal outcomes. Trained incoming student research assistants on the basics of EPIC and lab conduct.

**Portland State University****Portland, OR****People First Lab**

March, 2018 – June, 2018

*Student Research Assistant*

Research Supervisor: Nicholas A. Smith, Ph.D.

Principal Investigator: Jennifer, Dimoff Ph.D.

Performed a variety of duties essential to the lab including data entry, literature reviews, and statistical analyses.

## **CLINICAL EXPERIENCE**

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**Oregon Department of Human Services**

**Portland, OR**

*Personal Support Worker*

December, 2017 – March, 2019

Employer: Sean Steward, M.D.

Supported a visually impaired and autistic adult with daily living activities promoting independent integration into the community through ABA interventions.

## **TEACHING EXPERIENCE**

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**Oregon Health & Science University**

**Portland, OR**

**School of Nursing**

February, 2020 – Present

*Graduate Teaching Assistant*

Provided a basic overview of statistics, statistical programs, and research methods/designs to the master's level pediatric nursing students. Provided one-on-one statistical/research consultations to support these students on completing and publishing their master's theses in peer-reviewed journals.

**Portland State University**

**Portland, OR**

**Neuropsychopharmacology**

April, 2019 – June, 2019

*Teaching Assistant*

Responded to student inquiries and resolved challenges, assisted with course design and classroom management. Provided feedback to students and hosted study sessions and a class lecture. Proctored exams and was FERPA trained.

**Research Methods in Psychology**

April, 2018 – June, 2018

*Teaching Assistant*

Responded to student inquiries and resolved challenges, assisted with course design and classroom management. Provided feedback to students and hosted study sessions and a class lecture. Proctored exams and was FERPA trained.

## **PRESENTATIONS**

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Eisen, A. M. (2020) Psychedelics and psychopathologies: A review of current literature.

PowerPoint presented at: Portland State University *Neuropsychopharmacology Course*; 2020 June 3<sup>rd</sup>; Portland, OR.

Eisen, A. M. (2020) Micro-Dosing. PowerPoint presented at: Portland Psychedelic Society *Monthly Micro-Dosing Meeting*; 2020 May 10<sup>th</sup>; Portland, OR.

Eisen, A. M. (2020) The future of psychedelic psychotherapy. PowerPoint presented at: Portland Psychedelic Society *Monthly Westside Meeting*; 2020 March 17<sup>th</sup>; Portland, OR.

Eisen, A. M. (2019) The future of psychedelic psychotherapy. PowerPoint presented at: Portland Psychedelic Society *Monthly Professionals Meeting*; 2019 December 4<sup>th</sup>; Portland, OR.

- Eisen, A. M. (2019) Psychedelics and psychopathologies: A review of current literature.  
PowerPoint presented at: The Clinton Street Theater; 2019 December 3<sup>rd</sup>; Portland, OR.
- Eisen, A. M., (2019) The discovery of LSD-25 and how it revolutionized the field of psychiatry and neuroscience. Poster presented at: 2019 Portland Psychedelic Conference; 2019 October 26<sup>th</sup>; Portland, OR.
- Eisen, A. M., Smith, N. A., Griesar, W. S., (2019) Exploration of ayahuasca's mechanisms in the treatment of stimulant use disorder. Poster presented at: 2019 Portland Psychedelic Conference; 2019 October 26<sup>th</sup>; Portland, OR.
- Eisen, A. M., Cho Richmond M.E., Grant Howard, C.M., Kiersarsky, A., Brandes, M.S., Chapek, M.A., Galvan Bravo, M.D., Sumrall, L.R., Helback, O.B., Dowling, B.A., Bouleh, P., Steigerwald, A.J., Anandakumar, J., Schmidt, J.R. (2019) Portland State University Neuroscience Club: A community of diverse neuroscience outreach. Poster presented at: Society for Neuroscience 49<sup>th</sup> Annual Meeting; 2019 October 20<sup>th</sup>; Chicago, IL.
- Eisen, A. M., Howard, C., Benefiel, J., Schmidt, J., Chapek, M., Lerner, M., Garduno, R., Uriarte-Lopez, J., Hamilton, H., Kiersarsky, S., Sumrall, L. (2019) K-12 students want to learn about neuroscience. Poster presented at: Society for Neuroscience 49<sup>th</sup> Annual Meeting; 2019 October 20<sup>th</sup>; Chicago, IL.
- Eisen, A. M. (2019) Psychedelics and psychopathologies: A review of current literature.  
PowerPoint presented at: Nogginfest; 2019 October 5<sup>th</sup>; Portland, OR.
- Eisen, A. M. (2019) Psychedelics and psychopathologies: A review of current literature.  
PowerPoint presented at: Portland Psychedelic Society *Monthly Professionals Meeting*; 2019 September 4<sup>th</sup>; Portland, OR.
- Eisen, A. M. (2019) A basic review on statistics and SPSS. PowerPoint presented at: Oregon Health & Science University *School of Nursing*; 2019 August 8<sup>th</sup>; Portland, OR.
- Eisen, A. M. (2019) Psychedelics and psychopathologies: A review of current literature.  
PowerPoint presented at: Portland Psychedelic Society *Westside Chapter Meeting*; 2019 August 3<sup>rd</sup>; Portland, OR.
- Eisen, A. M. (2019) Psychedelics and psychopathologies: A review of current literature.  
PowerPoint presented at: Portland State University *Neuropsychopharmacology Course*; 2019 June 3<sup>rd</sup>; Portland, OR.
- Eisen, A. M., Jones, S. A., Steele, J., Griesar, W.S., Nagel, B., (2019) Adolescent executive dysfunction and distant parental relationships: Influences on tobacco use in youth under the age of 18. PowerPoint presented at: Portland State University *Honors College Thesis Symposium*; 2019 May 30<sup>th</sup>; Portland, OR.
- Eisen, A. M., (2019) Microdosing and cognition; *I Find It Interesting* [Audio podcast] 2019 May 26<sup>th</sup>; Portland, OR.

- Eisen, A. M., (2019) Psychedelic neuroscience. PowerPoint presented at: Portland State University *Neuroscience Club Showcase Symposium*; 2019 May 16<sup>th</sup>; Portland, OR.
- Eisen, A. M., Jones, S. A., Steele, J., Griesar, W.S., Nagel, B., (2019) Adolescent executive dysfunction and distant parental relationships: Influences on tobacco use in youth under the age of 18. Poster presented at: Portland State University *7<sup>th</sup> Annual Student Research Symposium*; 2019 May 7<sup>th</sup>; Portland, OR.
- Eisen, A. M., Howard, C., Benefiel, J., Schmidt, J., Chapek, M., Lerner, M., Garduno, R., Uriarte-Lopez, J., Hamilton, H., Kiersarsky, S., Sumrall, L. (2019) K-12 students want to learn about neuroscience. Poster presented at: Society for Neuroscience *Oregon Chapter Meeting*; 2019 April 12<sup>th</sup>; Troutdale, OR.
- Eisen, A. M. (2019) A systematic review of psychedelics' mechanisms in the treatment of depressive disorders and PTSD. PowerPoint presented at: Portland Psychedelic Society *Monthly Westside Meeting*; 2019 April 6<sup>th</sup>; Portland, OR.
- Eisen, A. M. (2019) A basic review on statistics. PowerPoint presented at: Oregon Health & Science University *Nutrition Clinic*; 2019 April 2<sup>nd</sup>; Portland, OR.
- Eisen, A. M., Howard, C., Benefiel, J., Schmidt, J., Chapek, M., Lerner, M., Garduno, R., Uriarte-Lopez, J., Hamilton, H., Kiersarsky, S., Sumrall, L. (2019) K-12 students want to learn about neuroscience. Poster presented at: Cognitive Neuroscience *26<sup>th</sup> Annual Meeting*; 2019 March 15<sup>th</sup>; San Francisco, CA.
- Eisen, A. M., (2019) Electrophysiology. PowerPoint presented at: Portland State University *Neuroscience Club Showcase Symposium*; 2019 February 21<sup>st</sup>; Portland, OR.
- Eisen, A. M., Benefiel, J., Schmidt, J., Ray, J., Chapek, M., Lerner, M., Garduno, R., Uriarte-Lopez, J., Hamilton, H., Kiersarsky, S., Javaheri, A., Helback, O., Sumrall, L. (2018) Outreach to diverse populations by Portland State University Neuroscience Club as a method to promote neuroscience. Poster presented at: Society for Neuroscience *48<sup>th</sup> Annual Meeting*; 2018 November 3<sup>rd</sup>; San Diego, CA.
- Eisen, A. M., (2018) How perspective impacts cognition. PowerPoint presented at: Portland State University *Neuroscience Club Showcase Symposium*; 2018 September 23<sup>rd</sup>; Portland, OR.
- Eisen, A. M., Smith, N. A., Griesar, W. S., (2018) Exploration of ayahuasca's mechanisms in the treatment of stimulant use disorder. PowerPoint presented at: Portland State University *Neuroscience Club Showcase Symposium*; 2018 May 16<sup>th</sup>; Portland, OR.
- Eisen, A. M., Smith, N. A., Griesar, W. S., (2018) Exploration of ayahuasca's mechanisms in the treatment of stimulant use disorder. Poster presented at: Portland State University *6<sup>th</sup> Annual Student Research Symposium*; 2018 May 2<sup>nd</sup>; Portland, OR.

## PUBLICATIONS

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- Taha, A. A., Eisen, A. M., Zouros, A., Abdul-Rahman, H. Q., Norman, S., L., (2020) The moderating role of spirituality on quality of life and depression among adolescents with spina bifida. *Journal of Advanced Nursing*, 76(7), 1627–1637. <https://doi.org/10.1111/jan.14374>
- Eisen, A. M., (2019) Psychedelic Portland. *NW Noggin Bloggin*. <https://nwnoggin.org/2019/12/30/psychedelic-portland/>
- Eisen, A. M., Brandes, M., Howard, C., Galvan-Bravo, M., Kiersarsky, A., (2019) Reflections on Chicago. *NW Noggin Bloggin*. <https://nwnoggin.org/2019/11/11/sfn-reflections/>
- Eisen, A. M., Jones, S. A., Steele, J., Griesar, W.S., Nagel, B., (2019) Adolescent executive dysfunction and distant parental relationships: Influences on tobacco use in youth under the age of 18. University Honors Theses. Paper 694. <https://pdxscholar.library.pdx.edu/honorstheses/694>
- Eisen, A. M., Howard, C., Griesar, W.S., (2019) How can you change your brain? *NW Noggin Bloggin*. <https://nwnoggin.org/2019/03/12/how-can-you-change-your-brain/>
- Eisen, A. M., (2019) Brain hacking is electric! *NW Noggin Bloggin*. <https://nwnoggin.org/2019/03/20/brain-hacking-is-electric/>
- Eisen, A. M., (2018) Aloha potential! *NW Noggin Bloggin*. <https://nwnoggin.org/2018/08/28/aloha-potential/>
- Eisen, A. M., (2018) Radiating enthusiasm @ Skyridge. *NW Noggin Bloggin*. <https://nwnoggin.org/2018/04/14/radiating-enthusiasm-skyridge/>
- Eisen, A. M., Smith, N. A., Griesar, W. S., (2018) Exploration of ayahuasca's mechanisms in the treatment of stimulant use disorder. *PDX Scholar*. <http://archives.pdx.edu/ds/psu/25153>

## APPLIED WORK

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### OHSU Psychedelic Medicine Research Collaborative

Portland, OR

The mission of the OHSU Psychedelic Medicine Research Collaborative is to establish OHSU as a leader in the research and safe therapeutic use of psychedelic medicines.

*Non-Faculty Member*

January, 2020 – Present

Supervisor: Chris Stauffer, MD

Support the goals of this group which include: (1) facilitate collaboration between faculty and trainees interested in psychedelic assisted psychotherapy for the treatment of psychiatric and medical conditions, (2) promote dialogue with local, state, and national leaders/stakeholders, (3) serve in an educational role to the medical community and public, and (4) focus on meeting the needs of those in underserved populations.

**Portland Psychedelic Society****Portland, OR**

The Portland Psychedelic Society is a project of PEERS 501c3. PEERS is a non-profit organization dedicated to promoting the understanding and legitimization of modalities of consciousness. Peers hosts and participates in informational, educational, social, and advocacy events to facilitate an informed and conscious community.

*Scientific Research and Education Chair*  
Supervisor: Kayci Mari, President

December, 2019 – Present

Oversee the development of a new research initiative with the Portland Psychedelic Society to support the current renaissance on psychedelic research. Recruit research assistants and volunteers to support this new research initiative and coordinate their efforts to get started on five different research projects (a systematic review/meta-analysis, a secondary data analysis, a health screening protocol for sitters, an observational mysticism study, and the development of a large psychedelic dataset that will be made publicly available).

Create educational and collaborative opportunities for students interested in psychedelic research or clinical work through the development of a psychedelic student group. Facilitate the development of psychedelic online education/training courses (for high school students, undergraduate students, graduate students, prospective psychedelic researchers, and prospective psychedelic clinicians).

**NW NOGGIN, Neuroscience Outreach Group (Growing in Networks)****Portland, OR**

NW NOGGIN is a 501c3 nonprofit neuroscience outreach organization that brings scientists, artists, and students of all ages together to share their expertise, enthuse young people about science, and provide area educational resources to inform the public about ongoing taxpayer supported neuroscience research

*Communications Director*  
Supervisor: Bill Griesar, Ph.D.

June, 2019 – Present

Relayed messages to and from interested volunteers and community members to the director of NW Noggin. Managed the NW Noggin email account and the mailing list to recruit volunteers for events.

*Outreach Event Coordinator*  
Supervisor: Bill Griesar, Ph.D.

July, 2018 – Present

Coordinated neuroscience outreach events at the Oregon Museum of Science & Industry and Waikiki Elementary School. Managed and facilitated the collaboration of 9 student volunteers to share their knowledge of neuroscience with over 200 families at the Oregon Museum of Science & Industry. Oversaw 6 student volunteers who brought neuroscience related art projects (pipe cleaner neurons and brain diagram color books) to 150 students at Waikiki Elementary School.

Supervisor: Bill Griesar, Ph.D.

Acted as a liaison between Portland State University and NW Noggin through promoting events and recruiting interested student volunteers.

*Outreach Volunteer*

April, 2018 – Present

Supervisor: Bill Griesar, Ph.D.

Participated in over 110 outreach events (70 per year) with 15,000+ students and community members in Oregon, Washington, California, Hawaii, and Illinois consisting of various activities including, art projects (e.g. pipe cleaner neurons, brain maps, and ink printing projects), student driven Q&A sessions, electrophysiology demonstrations, sheep brain dissections, and handling human cadaver specimens. Events were targeted at underserved members of the community including youth correctional facilities, homeless youth shelters, and public schools in low income and rural communities.

## **EVENT COORDINATION**

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**3<sup>rd</sup> Annual Noggin Festival**

**Portland, OR**

*Project Lead*

October, 2019

Facilitated a fundraising event to support NW Noggin and student volunteers who engage in neuroscience community outreach.

**Tau Sigma Induction Ceremony**

**Portland, OR**

*Event Coordinator*

May, 2019

Facilitated an induction ceremony at Portland State University to welcome new members into Tau Sigma.

**2<sup>nd</sup> Annual Noggin Festival**

**Portland, OR**

*Project Lead*

September, 2018

Facilitated a fundraising event to support NW Noggin and student volunteers who engage in community neuroscience outreach.

## **CONFERENCES ATTENDED**

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2019 Portland Psychedelic Conference

**Portland, OR**

October, 2019

Society for Neuroscience (SfN) 49<sup>th</sup> Annual Meeting

**Chicago, IL**

October, 2019

Society for Social Neuroscience (S4SN) Neuroscience Fair

**Chicago, IL**

October, 2019

Gaian Mind: Psychedelic Conference	<b>Portland, OR</b> July, 2019
Society for Neuroscience (SfN) Oregon Chapter Meeting	<b>Troutdale, OR</b> April, 2019
Cognitive Neuroscience Society (CNS) 26 <sup>th</sup> Annual Meeting	<b>San Francisco, CA</b> March, 2019
Allen Institute: Cell Science Symposium	<b>Seattle, WA</b> December, 2019
Society for Neuroscience (SfN) 48 <sup>th</sup> Annual Meeting	<b>San Diego, CA</b> November, 2018

## **PROFESSIONAL DEVELOPMENT**

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<b>Multidisciplinary Association for Psychedelic Studies (MAPS)</b>	<b>Wappinger Falls, NY</b>
<i>Zendo Project: Peer Support Training</i>	June, 2019

## **PROFESSIONAL ORGANIZATIONS**

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<b>Cognitive Neuroscience Society</b>	<b>Portland, OR</b>
<i>Student Member</i>	March, 2019 – Present

A professional society committed to the development of mind and brain research aimed at investigating the psychological, computational, and neuroscientific bases of cognition.

<b>Society for Neuroscience</b>	<b>Portland, OR</b>
<i>Student Member</i>	October, 2018 – Present

A professional society of scientists and physicians around the world whose research is focused on the study of the brain and nervous system.

<b>Psi Chi</b>	<b>Portland, OR</b>
<i>Student Member</i>	May, 2018 – June, 2019

An international honor society in psychology (PSU Chapter)

## **LEADERSHIP EXPERIENCE**

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<b>Leadership Fellows</b>	<b>Portland OR</b>
A year-long leadership development course for student group leaders.	September, 2018 – June, 2019

<b>Tau Sigma</b>	<b>Portland OR</b>
<i>Vice President of PSU Chapter</i>	May, 2018 – June, 2019

**Neuroscience Club at Portland State University**  
*Event Outreach Coordinator*

**Portland OR**  
May, 2018 – June, 2019

## **ACADEMIC AWARDS**

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**Portland State University**

**Portland, OR**

President's List (4.0 term GPA; 5 terms; 5 awards)

March, 2018 - June, 2019

Dean's List (3.5+ term GPA; 1 term; 1 award)

December, 2017

**Kapiolani Community College**

**Honolulu, HI**

President's List (4.0 term GPA; 3 semesters; 3 awards)

June, 2016 - June, 2017

## **SCHOLARSHIPS**

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**WUE**

**Portland, OR**

Western Undergraduate Exchange Scholarship

June, 2017 – June 2019

**ELSA**

**Portland, OR**

Educational Leadership Service Award

September, 2018 – June 2019

## **AWARDED GRANTS**

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**Portland State University Student Educational Travel Fund**

**Portland, OR**

*Project Lead*

September, 2019

Facilitated a proposal requesting \$2,500 to fund five members of Portland State University's Neuroscience Club to attend the 49<sup>th</sup> Annual Society for Neuroscience 2019 Conference in Chicago, Illinois.

**Portland State University Student Educational Travel Fund**

**Portland, OR**

*Project Lead*

September, 2018

Facilitated a proposal requesting \$2,500 to fund five members of Portland State University's Neuroscience Club to attend the 48<sup>th</sup> Annual Society for Neuroscience 2018 Conference in San Diego, California.

## **PSYCHOMETRIC MEASURE PROFICIENCIES**

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WAIS-IV

BRIEF-2

WRAT-4

WISC-IV

WIAT-II

CDDR

## **TECHNICAL SKILLS**

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Systat

SPSS

AMOS

REDCap

MS Excel

R/R Studio

Zotero

G\*Power

## REFERENCES

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**Bonnie Nagel, Ph.D.**

Oregon Health & Science University  
Vice Chair of Research, Psychiatry  
Principal Investigator, Developmental Brain Imaging Lab  
Professor of Psychiatry & Behavioral Neuroscience  
[nagelb@ohsu.edu](mailto:nagelb@ohsu.edu)  
(503) 494-4612  
[www.ohsu.edu/dbil](http://www.ohsu.edu/dbil)

**Asma Taha Ph.D., C.P.N.P.-P.C./A.C.**

Oregon Health & Science University  
Director Pediatric Nurse Practitioner Program  
Associate Professor School of Nursing  
Principal Investigator, Spina Bifida Lab  
CPNP-Primary Care, Pediatric Nursing Certification Board  
CPNP- Acute Care, Pediatric Nursing Certification Board  
Pediatrics CNS-Certified, ANCC  
Pediatric CCRN, AACN  
[taha@ohsu.edu](mailto:taha@ohsu.edu)  
951-522-1431

**Douglas Hanes, Ph.D.**

National University of Natural Medicine  
Associate Professor, School of Research and Graduate Studies  
Chair, Master of Science in Integrative Medicine Research  
Graduate Thesis Advisor  
[dhanes@nunm.edu](mailto:dhanes@nunm.edu)  
503-552-1741

**Daria Ettinger, R.N.**

Oregon Health & Science University  
Institute on Development & Disability  
Senior Research Associate  
Lab Manager, OHSU National Spina Bifida Patient Registry  
[ettinger@ohsu.edu](mailto:ettinger@ohsu.edu)  
503-494-2757

**Bill Griesar, Ph.D.**

Portland State University  
Senior Instructor, Neuroscience and Psychology  
Founder, NW Noggin  
Neuroscience Outreach Coordinator  
Undergraduate Thesis Advisor  
[griesar@pdx.edu](mailto:griesar@pdx.edu)

(503) 914-7487

**Nicholas Smith, Ph.D.**

Portland State University

Undergraduate Research Supervisor

[nas22@pdx.edu](mailto:nas22@pdx.edu)

407-399-3976

**Marcus Sharpe, Psy.D.**

Portland State University

Senior Instructor, Psychology

[marcus.sharpe@pdx.edu](mailto:marcus.sharpe@pdx.edu)