**PATRICIA IZBICKI**

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**ResearchGate**: <https://www.researchgate.net/profile/Patricia_Izbicki>

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**WORK EXPERIENCE**

**RESEARCH EXPERIENCE**

2015 - 2020 **Neurophysiology Lab,** Iowa State University - Ames, IA

Determined the neural mechanisms, clinical implications, and educational benefits of music and music training on the brain and nervous system throughout the lifespan using electroencephalography and transcranial magnetic stimulation.

Managed and mentored students completing undergraduate research.

Communicated research with a focus on inclusion and diversity to prospective graduate students and undergraduate students, university officials, lay public, and elementary/middle school/high school students.

**TEACHING EXPERIENCE**

2016 - 2017 **Fundamentals of Human Anatomy Lab,** Iowa State University - Ames, IA

Instructed and mentored twenty to fifty undergraduate students on basic human anatomy principles and lab dissections.

Evaluated student performance via lab reports, practical examinations, and presentations.

**Freshman Research Initiative: *Dancing with Parkinson’s Disease***, Iowa State University - Ames, IA

Instructed and mentored ten freshman undergraduate students on neurophysiology lab techniques, primary literature analysis, experimental design, human subjects research ethics, data collection, and symposium presentation.

**Principles of Biology I & II,** Iowa State University - Ames, IA

Lectured, instructed, and mentored twenty to fifty undergraduate students on basic biology lab principles, techniques, and dissections.

Evaluated student performance via lab reports, practical examinations, presentations,

**OPPTAG Summer Course: *Neuroscience of Music*,** Iowa State University - Ames, IA

Designed, implemented, and instructed a one-week summer STEAM course for primary education students (grades 5-8) focusing on neuroscience of music with a creative component of community piano placement and concert.

**Izbicki Piano Studio**, Ames IA

Instructed with a heavy focus on injury prevention piano technique, music theory, and musicianship.

Organized biannual studio recitals and entered/placed students in local and state festivals and competitions.

2014 - 2015 **Piano Week**, University of West Florida - Pensacola, FL

Collaborated with departmental professors to instruct and coach area advanced and pre-collegiate pianists in a one-week summer intensive workshop.

**EDUCATION**

2015 - 2020 **Ph.D., *Major*: Neuroscience, *Minor*: Statistics** Iowa State University - Ames, IA

 Dissertation Advisor: Elizabeth Stegemöller, Assistant Professor

 Dissertation Title: Cognitive Inhibition and Motor Inhibition in Musicians Across the Lifespan

2010 - 2014 **B.M., Music Performance (Piano),** *summa cum laude,* University of West Florida - Pensacola, FL

 Kugelman Honors Thesis Advisor: Hedi Salanki-Rubardt, Distinguished Professor and Yamaha Artist

 Kugelman Honors Thesis Title: Robert Schumannʼs Illness and Its Effect on His Music

**PUBLICATIONS**

1. Schmidt-McCormack, G. R., Feye, K. M., Sreemoyee, A., Mlynarczyk, G.S., Anderson, S. J., **Izbicki, P**., … & Carlson S.A. (2017). Theoretical engineering of the gut microbiome for the purpose of creating superior soldiers. *Journal of Medical and Health Sciences*, 6, 2, 12-18.
2. Wolf, T., Webb, J., Swanson, A., McLimans K., Klinedinst, B., **Izbicki, P**., Willette A. (2017). Quantitative secondary data analysis: utilizing observational studies for integrative neuroscience and interdisciplinary work. *SAGE Research Methods Cases*.
3. Anderson, S. J., Feye, K. M., Schmidt-McCormack, G. R., Malovic, E., Mlynarczyk, G. S., **Izbicki, P**., ... & Luna, K. C. (2016). Off-target drug effects resulting in altered gene expression events with epigenetic and quasi-epigenetic origins. *Pharmacological Research*, 107, 229-233.
4. **Izbicki, P**., (2016). [#SfN16 Preview: Artful Strokes + Soulful Sounds = Healthier Brains?](http://blogs.plos.org/neuro/2016/11/11/sfn16-preview-artful-strokes-soulful-sounds-healthier-brains-by-patricia-izbicki/) PLOS Neuro Community Blog.
5. **Izbicki, P**., (2013). Robert Schumannʼs Illness and Its Effect on His Music. *Proceedings of the 2013 Hawaii University International Conference: Arts, Humanities, and Social Sciences.* ISSN 2162-917X.

**PRESS RELEASES**

2017 [ISU Graduate Student Is An Iowa Women of Innovation Award Winner.](http://iowapublicradio.org/post/isu-graduate-student-iowa-women-innovation-award-winner) November 15, 2017.

['In Tune' with the Community](http://www.nrpa.org/parks-recreation-magazine/2017/august/in-tune-with-the-community/). National Recreation and Park Association Magazine. August 1, 2017.

[Pianos in the Park](https://www.youtube.com/watch?v=GDQ0Nx5vlqU&feature=youtu.be). Ames Channel 12. June 23, 2017.

[Outdoor Pianos](http://khoifm.org/node/1626). KHOI Community Radio 89.1 FM. June 5, 2017.

[Ames to Unveil Public Pianos during Art Walk, Summerfest](http://www.amestrib.com/news/20170531/ames-to-unveil-public-pianos-during-artwalk-summerfest). Ames Tribune. June 1, 2017.

2016 [Outdoor Public Pianos Coming to Ames](http://www.amestrib.com/news/outdoor-public-pianos-coming-ames). Ames Tribune. July 1, 2016.

[Talented and Gifted Students Learning About Music, the Brain, and Creativity Are Part of the Public Piano Project at Iowa State University](http://archive.design.iastate.edu/news/6/24/2016/ames_public_piano_project). Iowa State University College of Design. June 24, 2016

2015 [Alumni Spotlight](http://uwf.edu/offices/kugelman-honors/alumni/alumni-updates/patricia-izbicki.html). University of West Florida Kugelman Honors Program. September 1, 2015.

**HONORS/AWARDS**

2017 Iowa Women of Innovation: Collegian Innovation and Leadership Finalist and Winner

Iowa State University Fleming Award for Graduate Harpsichord/Organ Study

Iowa State University Helen Easter Graduate Scholarship

Wakonse Teaching Fellow

2016 Iowa State University College of Human Sciences Graduate Scholarship

Iowa State University Interdepartmental Neuroscience Program Travel Award

Society for Music Education and Music Psychology Travel Award

Iowa State University Focus Artist

2015 University of West Florida Outstanding Undergraduate Student Award

 Who’s Who Among Students in American Universities and Colleges

2014 University of West Florida President’s and Dean’s Honor Roll

 University of West Florida Scholar Symposium Distinguished Undergraduate Presentation in the Arts

 Academic and talent scholarships totaling $30,000 at University of West Florida

Undergraduate research and travel grants totaling $6,750 at University of West Florida