Melissa M. Patchan, Ph.D.

Email: melissa.patchan@gmail.com
Cell phone: 740-232-8670

Professional Experience

2016-current   **Assistant Professor,** West Virginia University, Morgantown, WV
- Department of Learning Sciences & Human Development

2015-2016   *Research Associate*, Georgia State University, Atlanta, GA
- Department of Educational Psychology, Special Education, & Communication Disorders
- Faculty Mentor: Cynthia Puranik

2012-2015   *Postdoctoral Associate*, University of Pittsburgh, Pittsburgh, PA
- Department of Communication Science & Disorders
- Faculty Mentor: Cynthia Puranik

2011-2012   *Postdoctoral Researcher*, University of Antwerp, Belgium
- Faculty of Applied Economics | Department of Management
- Promoter: Luuk Van Waes

Education

2011   Ph.D.   *Cognitive Psychology*, University of Pittsburgh, Pittsburgh, PA
- *Peer Review of Writing: Learning from Revision Using Peer Feedback and Reviewing Peers' Texts*
- Committee: Christian D. Schunn (chair), Kevin D. Ashley, Christine M. Neuwirth, Timothy J. Nokes

2007   M.S.   *Cognitive Psychology*, University of Pittsburgh, Pittsburgh, PA
- *The Nature of Feedback: Investigating How Different Types of Feedback Affect Writing Performance*
- Committee: Christian D. Schunn (chair), Charles A. Perfetti, Michelene T. H. Chi

2004   B.A.   *Psychology* (Honors), University of South Florida, Tampa, FL
- *The Effects of Test Format & Test Expectancy on Performance & Retention*
- Committee: Jane A. Noll (chair), Douglas L. Nelson, Thomas Gordon

Grants

2013 – 2015   *Teaching early writing skills: A comparison between three conditions*
- Central Research Development Fund, University of Pittsburgh
- Co-PI with C. Puranik
- Total costs: $15,993

Journal Articles

1. **Patchan, M. M.** & Puranik, C. S. (in press). Rethinking handwriting instruction: The impact of extrinsic and intrinsic feedback. *Computers & Education.*

2. Sears, M., **Patchan, M. M.,** & Puranik, C. (in press). Examining alphabet writing fluency in kindergarten. *Assessment for Effective Intervention.*

3. Puranik, C. S., **Patchan, M. M.**, Lemons, C. J., Al Otaiba, S. (in press). Using peer assisted strategies to teach early writing: Results of a pilot study to examine feasibility and promise. *Reading and Writing.* doi:10.1007/s11145-016-9661-9

4. **Patchan, M. M.**, Schunn, C. D., & Correnti, R. J. (in press). The nature of feedback: How feedback features affect students' implementation rate and quality of revisions. *Journal of Educational Psychology.*

5. **Patchan, M. M.** & Schunn, C. D. (in press). Understanding the benefits of receiving peer feedback for text revision: Relations between author and reviewer ability. *Journal of Writing Research.*

6. **Patchan, M. M.** & Schunn, C. D. (2015). Understanding the benefits of providing peer feedback: How students respond to peers' texts of varying quality. *Instructional Science, 43(5),* 591-614. doi:10.1080/1475939X.2015.1013977

7. **Patchan, M. M.,** Schunn, C. D., Sieg, W., & McLaughlin, D. (2015). The Effect of Blended Instruction on Accelerated Learning. *Technology, Pedagogy, & Learning*, *25(3),* 269-286. doi:10.1080/1475939X.2015.1013977

8. **Patchan, M. M.,** Hawk, B., Stevens, C. A., & Schunn, C. D. (2013). The effects of skill diversity on commenting and revisions. *Instructional Science, 41(2),* 381-405.

9. **Patchan, M. M.,** Schunn, C. D., & Clark, R. J. (2011). Writing in natural sciences: Understanding the effects of different types of reviewers on the writing process. *Journal of Writing Research, 2(3),* 365-393.

   - reprinted in S. Parks, B. Glascott, B. Bailie, H. Christiansen, & S. Waite (Eds.) (2011), *The best of the independent rhetoric and composition journals 2011.* Anderson, SC: Parlor Press.

10. **Patchan, M. M.,** Charney, D. & Schunn, C. D. (2009). A validation study of students' end comments: Comparing comments by students, a writing instructor, and a content instructor. *Journal of Writing Research*, *1(2)*, 124-152.

11. [1]**Nelson, M. M.** & Schunn, C. D. (2009). The nature of feedback: How different types of peer feedback affect writing performance. *Instructional Science, 37(4)*, 375-401.

12. Steinberg, D., **Patchan, M. M.,** Schunn, C. D., Landis, A. (2009). Determining adequate information for green building occupant training materials. *Journal of Green Building, 4(3)*, 143-150.

13. Steinberg, D., **Patchan, M. M.,** Schunn, C., & Landis, A. (2009). Developing a focus for green building occupant training materials. *Journal of Green Building, 4(2)*, 175-184.

Book Chapters

1. Schunn, C. D. & **Nelson, M. M.** (2008). Expert-novice studies: An educational perspective. In E. M. Anderman & L. H. Anderman (Eds.), *Psychology of classroom learning: An encyclopedia*. Detroit, MI: Macmillan Reference.

---

[1]maiden name

Manuscripts in Preparation

1. **Patchan, M. M.,** Schunn, C. D., & Clark, R. J. (in prep). When trying to be helpful, peer reviews are also more accurate.

2. Godley, A., DeMartino, S., Loretto, A., & **Patchan, M. M.** (in prep). A description of high school students' peer review and revision practices: Relationships between peer feedback received, reviews of peers' essays, and essay revisions.

Presentations and Posters

1. Patchan, M. M., Schunn, C. D., & Clark, R. J. (2016, June). When trying to be helpful, peer reviews are also more accurate. *Proceedings of Computer-Supported Peer Review in Education* (ITS Workshop), Raleigh, NC.

2. Roscoe, R. D., Allen L. K., & **Patchan, M. M.** (2016, April). *Evaluative misalignment: Hypothesized consequences and causes of students' faulty writing assessment criteria.* Poster presented at the 2016 annual meeting of the American Educational Research Association (AERA 2016), Washington DC.

3. Branum-Martin, L. & **Patchan, M.M.** (2016, March). *In the pen of the author or eye of the beholder? A measurement framework for understanding peer evaluation in writing assignments.* Paper presented at the spring conference for the Society for Research on Educational Effectiveness (SREE 2016), Washington, DC.

4. Branum-Martin, L. & **Patchan, M. M.** (2015, December). *A measurement model to assess bias, construct validity, and effectiveness in peer evaluations of writing.* Poster presented at the Atlanta Computational Social Science Workshop (CSS 2015), Atlanta, GA.

5. **Patchan, M. M.** & Puranik, C. (2015, July). *Teaching early writing skills: A comparison between three conditions.* Paper presented at the 22nd annual meeting of the Society for the Scientific Study of Reading, The Big Island, Hawaii.

6. Puranik, C., **Patchan, M. M.**, Lemons, C. J. & Al Otaiba, S. (2014, August). *Peer-assisted writing strategies: Comparing effectiveness in small group versus whole class instruction.* Paper presented at the SIG Writing Conference 2014, Amsterdam, Netherlands.

7. **Patchan, M. M.,** Puranik, C., Talbot, C., & Digon, S. (2014, July). Understanding the benefits of providing feedback: Improving letter writing ability by providing specific feedback. Poster presented at the 36th annual Cognitive Science Society, Quebec City, Canada.

8. Wronkovich, M., Mylin, S., **Patchan, M. M.**, & Puranik, C. (2014, April). *Assessing the quality of apps for letter writing instruction.* Poster presented at the First Experiences in Research Symposium, University of Pittsburgh.

9. Digon, S., Talbot, C., **Patchan, M. M.**, & Puranik, C. (2014, April). *Evaluating errors in kindergarteners' letter writing.* Poster presented at the First Experiences in Research Symposium, University of Pittsburgh.

10. Puranik, C., **Patchan, M. M.**, Lemons, C. J., & Al Otaiba, S. (2013, July). *Examining the effect of using peer assisted strategies to improve writing outcomes for kindergarten children.* Paper presented at the 20th annual meeting of the Society for the Scientific Study of Reading, Hong Kong, China.

11. Guinness, K., McClatchey, M., Kirby, C., **Patchan, M. M.**, & Puranik, C. (2013, April). *Evaluating effectiveness of peer learning*. Poster presented at the First Experiences in Research Symposium, University of Pittsburgh.

12. **Patchan, M. M.** & Schunn, C. D. (2010, September). *Impact of group diversity on learning to write through peer-review*. Paper presented at the SIG Writing Conference 2010, Heidelberg, Germany.

13. **Patchan, M. M.** & Schunn, C. D. (2010, August). *Impact of diverse abilities on learning to write through peer-review*. Poster presented at the 32nd annual Cognitive Science Society, Portland OR.

14. **Patchan, M. M.,** Charney, D., & Schunn, C. D. (2010, March). *Researching writing feedback: Commenting strategies & their impact.* Symposium talk presented at the 61st annual Conference on College Composition and Communication. Louisville, KY.

15. Steinberg, D., **Patchan, M. M.,** Schunn, C. D., & Landis, A. (2009, April). *Developing quality sustainability training materials.* Poster presented at the Engineering Sustainability 2009 conference. Pittsburgh, PA.

16. **Patchan, M. M.** & Schunn, C. D. (2009, March). *Writing in natural sciences: The battle between content knowledge and language fluency.* Symposium talk presented at the 60th annual Conference on College Composition and Communication. San Francisco, CA.

17. **Nelson, M. M.** & Schunn, C. D. (2008, April). *What types of comments motivate students to revise?* Symposium talk presented at the 59th annual Conference on College Composition and Communication. New Orleans, LA.

18. **Nelson, M. M.,** Melot, B. N., Stevens, C. A., & Schunn, C. D. (2008, July). *The effects of skill diversity in peer feedback: It's what you don't know.* Poster session presented at the 30th annual Cognitive Science Society, Washington DC.

19. **Nelson, M. M.** & Schunn, C. D. (2007, August). *The nature of feedback: Investigating how different types of feedback affect writing performance.* Poster session presented at the 29th annual Cognitive Science Society, Nashville, TN.

20. Charney, D., **Nelson, M. M.,** & Schunn, C. D. (2007, March). *How and how helpfully do peers comment on student writing?* Symposium talk presented at the 58th annual Conference on College Composition and Communication. New York, NY.

21. **Nelson, M. M.** & Noll, J. A. (2005, January). *The effects of test format on performance and retention*. Poster presented at the 27th annual National Institute on the Teaching of Psychology, St. Petersburg Beach, FL.

Professional Service

Community
- Undergraduate Education Committee, University of Pittsburgh (2006-2009)
- Cognitive Psychology Brown Bag Coordinator, University of Pittsburgh (2008-2009)
- Cognitive Psychology Graduate Student Representative, University of Pittsburgh (2007-2008)
- Cognitive Psychology Social Chair, University of Pittsburgh (2006-2007)

Reviewing
- Ad hoc Reviewer:
  - Instructional Science
  - Journal of Writing Research
  - Reading and Writing
  - Transactions on Learning Technologies
- Conference:
  - Cognitive Science Society's Annual Conference

Honors & Awards
- Nominated for the best article in Journal of Writing Research, 2010-2012
- Nominated for the best article in Journal of Writing Research, 2008-2010
- Nominated for the 2010 Elizabeth Baranger Excellence in Teaching Award
- Nominated for the 2007 Elizabeth Baranger Excellence in Teaching Award

Teaching Experience

University of Pittsburgh

PSY 0035: Research Methods Lab, Teaching Fellowship
- Fall 2010

PSY 0035: Research Methods, Teaching Assistant
- Fall 2010

PSY 0010: Introduction to Psychology, Teaching Assistant
- Spring 2010

PSY 0035: Research Methods, Teaching Fellowship
- Fall 2009

PSY 0420: Laboratory in Human Cognitive Psychology, Teaching Fellowship
- Fall 2005; Spring 2006; Fall 2006; Spring 2009

University of South Florida

PSY 2012: Psychological Science I, Proctor and Research Requirement Coordinator
- Spring 2004; Summer 2004; Fall 2004

Student Advisees

University of Antwerp, Belgium

Master's Thesis Mentoring (2):
- Debby Lauwers, Department of Management, 2011
- Katrin Goethals, Department of Management, 2012

University of Pittsburgh

Honors Thesis Committees (1):
- Mary Sears, Department of Communication Science and Disorders, 2014

First Experiences in Research Students (7):
- Sadie Digon; Kendra Guinness; Claire Kirby; Maria McClatchey; Stacy Mylin; Christopher Talbot; Makenzie Wronkovich

Undergraduate Student Research Assistants (34):
- Mandy Babiak; Megan Ballantyne; Laura Berenson; Jason Bolton; Elizabeth Brasch; Brittney Brueggman; Jennifer Cleary; Ellen Foley; Jessica Genkil; Zach Grigsby; Alexa Hamilton; Sarah Haviland; Brandi Hawk; Sarah Jacobson; Brittany Kachline; Elizabeth Kayda; Kim Klimpel; Danikka Kopas; Katie Layendecker; Claire Laverne; Stephanie Leirer; Lindsay Marshall; Katelyn McKenna; Luree Miller; Lauren Montie; Joanna Murphy; Cara Nicholson; Jennifer Papuga; Emma Paschke; Krista Schooley; Christopher Stevens; Shante Talley; Shahnaz Terzi; Gokce Yilmaz; Jiayi Zhang; Wanwan Zhang

Graduate Student Research Assistants (15):
- Erin Bailey; Carolyn Commer; Tim Dawson; Ashley Freer; Kristine Gulla; Carly Lewandowski; Lauren Martin; Rebecca Miller; Jessica Moffet; Megan Paterra; Mikayla Smith Mann; Emily Sobeck; Kirsten Stevenson; Racheal Voskuhl; Kaylee Wynkoop

Research Staff (4):
- Jaime Lynch; Lauren Mrachko; Leah Reiter; Kelly Stasik