

# Jason R. Themanson, Ph.D.

## Work Address

Department of Psychology; Neuroscience Program  
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## Education

- 2007      Ph.D., Department of Kinesiology and Community Health, emphasis in Exercise Psychology, University of Illinois at Urbana-Champaign.  
Advisor: Charles H. Hillman  
Doctoral Dissertation: *Cardiorespiratory influences on executive control function.*
- 1999      M.A., Department of Psychology, emphasis in Social Psychology, University of Connecticut, Storrs, Connecticut. Advisor: David A. Kenny  
Master's Thesis: *The effects of gender and perspective on consensus at zero acquaintance.*
- 1997      B.S., Department of Psychology, University of Illinois at Urbana-Champaign.  
Advisor: Harry C. Triandis. Head of Honors Program: Michael G. H. Coles  
Undergraduate Honors Thesis: *Replication of classic social psychological experiments: The case of Asch conformity studies in the 1950s and 1990s.*

## Professional Experience

- 2018-present    Professor, Neuroscience Program, Illinois Wesleyan University
- 2016-present    Professor of Psychology, Illinois Wesleyan University
- 2023-2024      Consultant for Chicago Cubs, Themanson Consulting LLC
- 2014-2020      Department Chair, Department of Psychology, Illinois Wesleyan University
- 2013-2016      Associate Professor of Psychology, Illinois Wesleyan University
- 2007-2013      Assistant Professor of Psychology, Illinois Wesleyan University
- 2003-2007      Research and Teaching Assistant, Department of Kinesiology, University of Illinois at Urbana-Champaign
- 1999-2003      Investigator, Attorney Registration and Disciplinary Commission, Chicago, Illinois
- 1997-1999      Research and Teaching Assistant, Department of Psychology, University of Connecticut, Storrs, Connecticut

## **Administrative Experience**

### **Illinois Wesleyan University**

2014-2020	Chair of Psychology Department Responsibilities: manage and maintain departmental budget; evaluate and mentor departmental faculty; examine, implement, and update departmental curriculum; develop and manage departmental course schedules and registration protocols; facilitate departmental outreach to the university and external resources for funding instructional and scholarly initiatives; conduct searches for faculty positions; manage faculty leaves; direct and lead departmental assessment processes and procedures; distribute and balance academic advising assignments; respond to and adjudicate student petitions, requests, or complaints; serve as departmental liaison to administrative offices, accrediting organizations, and faculty committees; serve as the academic advisor for incoming/current/transfer students; conduct original scholarly research; teach two courses each semester
2021-2022	Promotion and Tenure Committee (Chair)
2020-2021	Promotion and Tenure Committee (Vice-Chair)
2019-2020	Program Evaluation of Psychology Department (Chair)
2014-2020	Assessment Liaison for Psychology Department
2014-2019	Search Committees, Adjunct Professors of Psychology (Chair)
2015-2018	Interdisciplinary committee for the development of a new Neuroscience major at IWU (Co-Chair)
2014-2018	Search Committees, Visiting Assistant Professors of Psychology (Chair)
2016-2017	Search Committee, Assistant Professor of Clinical Psychology (Chair)
2014-2016	Self-Study and External Review of Psychology Department (Chair)

## **Honors and Awards**

### **Awards**

2020	Finalist, 2020 SABR Analytics Conference Research Award, Contemporary Baseball Analysis
2019	Finalist, Student Senate Professor of the Year, Illinois Wesleyan University
2014	Finalist, Student Senate Professor of the Year, Illinois Wesleyan University
2013	Finalist, Panhellenic Professor of the Year, Illinois Wesleyan University
2010	Junior Faculty Leave, Illinois Wesleyan University
2007	T. K. Cureton Physical Fitness Research Award, University of Illinois at Urbana-Champaign
2006-2007	National Institute of Mental Health, Ruth L. Kirschstein National Research Service Award for Individual Predoctoral Fellowship (F31)
2003-2007	Named to the University of Illinois at Urbana-Champaign List of Teachers Ranked as Excellent by their students (each semester). Outstanding Rating (top 10%): fall 2003, spring 2004, fall 2004, fall 2005, spring 2006

- 1997 Bronze Tablet (top 3% of graduating class), University of Illinois at Urbana-Champaign
- 1997 Summa Cum Laude, University of Illinois at Urbana-Champaign
- 1997 Departmental Distinction in Psychology, University of Illinois at Urbana-Champaign
- 1996 Honors Intern, Federal Bureau of Investigation, Critical Incident Response Group, Child Abduction and Serial Killer Unit, Quantico, VA
- 1995-1997 Edmund J. James Scholar, University of Illinois at Urbana-Champaign

### **Honors Society Memberships**

- 1997 Phi Beta Kappa, University of Illinois at Urbana-Champaign
- 1997 Phi Kappa Phi, University of Illinois at Urbana-Champaign
- 1995 Psi Chi, University of Illinois at Urbana-Champaign
- 1994 Phi Eta Sigma, University of Illinois at Urbana-Champaign
- 1994 Alpha Lambda Delta, University of Illinois at Urbana-Champaign

### **Grants**

#### **Funded External Grants**

1. Beckman Scholars Program for Illinois Wesleyan University. Faculty Mentor. *Arnold and Mabel Beckman Foundation* (\$156,000). Funded. May 2024 – August 2027
2. *A neural and behavioral examination of social exclusion processes*. Principal Investigator. National Science Foundation (\$148,106). Funded. May 1, 2012 – April 30, 2015.
3. *Cardiorespiratory influences on executive control function*. Principal Investigator. National Institute of Mental Health Individual Predoctoral Fellowship Award (\$30,564). Funded. June 15, 2006 – June 14, 2007.

#### **Funded Internal Grants**

1. *Neural activity during pitch perception in softball: Relationships with behavior and hitting performance*. Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$7,000). Funded. September 2023.
2. *Neural activity during live pitches in baseball: Relationships with in-game hitting performance*. Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$3,500). Funded. September 2022.
3. *Relationships between neural activity to pitches and hitting performance in baseball*. Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$3,500). Funded. September 2021.

4. *Behavioral adjustments and neural activity during pitch classification in baseball.* Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$3,500). Funded. September 2020.
5. *Capstone in Neuroscience course.* Principal Investigator. Curriculum Development Grant, Illinois Wesleyan University (\$2,000). Funded. September 2020.
6. *Neural activity and self-regulation to feedback during pitch classification in baseball.* Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$3,500). Funded. September 2019.
7. *Behavioral Neuroscience course.* Principal Investigator. Curriculum Development Grant, Illinois Wesleyan University (\$2,000). Funded. September 2019.
8. *Expertise influences on self-regulation during time-limited task performance.* Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$3,500). Funded. December 2018.
9. *Sport and Exercise Psychology course.* Principal Investigator. Curriculum Development Grant, Illinois Wesleyan University (\$2,000). Funded. December 2017.
10. *Neural and behavioral activity during speeded task performance.* Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$3,500). Funded. September 2017.
11. *The relationship between social and cognitive self-regulatory control.* Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$3,500). Funded. September 2015.
12. *An investigation into ongoing patterns of neural activity during witnessed social interactions.* Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$2,000). Funded. April 2015.
13. *Examining the relationships between self-efficacy, stimulus processing, and task performance.* Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$2,000). Funded. March 2014.
14. *The ongoing cognitive processing of social exclusion: A neural analysis.* Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$2,000). Funded. December 2012.
15. *An examination of self-regulatory neural and behavioral activity during affective task execution.* Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$2,700). Funded. October 2011.

16. *An ongoing examination of neural responses to social exclusion*. Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$2,500). Funded. January 2011.
17. *Examining the neural responses to negative cognitive and social feedback*. Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$2,900). Funded. October 2009.
18. *Individual differences and neural indices of task performance*. Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$2,400). January 2009.
19. *Human neuroscience laboratory course*. Principal Investigator. Curriculum Development Grant, Illinois Wesleyan University (\$2,000). Funded. April 2008.
20. *The influence of self-efficacy on neuroelectric and behavioral indices of action monitoring in young adults*. Principal Investigator. Artistic and Scholarly Development Grant, Illinois Wesleyan University (\$2,000). Funded. January 2008.
21. Department of Kinesiology and Community Health Conference Travel Grant, University of Illinois at Urbana-Champaign (\$100). Funded. October 2006.

## Scholarship

### Publications

*Articles in Refereed Journals (in press or accepted)*

(\* denotes IWU undergraduate student)

1. **Themanson, J. R.**, \*Norton, G., \*Daly, E., \*Thoma, L., & Sheese, B. E. (2023). The relationships between neural activity and in-game hitting performance. *Journal of Sport and Exercise Psychology*, 45, 185-194.  
Impact Factor: 3.0
2. **Themanson, J. R.**, \*Hay, A., \*Sieving, L., & Sheese, B. E. (2021). Examining neural activity to pitches and feedback at the plate: Cognitive and performance implications. *Journal of Sport and Exercise Psychology*, 43, 399-409.  
Impact Factor: 2.5
3. **Themanson, J. R.**, \*Bing, N. J., Sheese, B. E., & Pontifex, M. B. (2019). The influence of pitch-by-pitch feedback on neural activity and pitch perception in baseball. *Journal of Sport and Exercise Psychology*, 41, 65-72.  
Impact Factor: 2.2
4. **Themanson, J. R.**, & \*Rosen, P. J. (2015). Examining the relationships between self-efficacy, task-relevant attentional control, and task performance: Evidence from event-related brain potentials. *British Journal of Psychology*, 106, 253-271.  
Impact Factor: 2.3

5. **Themanson, J. R.**, \*Schreiber, J. A., \*Larsen, A. D., \*Dunn, K. R., \*Ball, A. B., & \*Khatcherian, S. M. (2015). The ongoing cognitive processing of exclusionary social events: Evidence from event-related potentials. *Social Neuroscience*, 10, 55-69.  
Impact Factor: 2.7
6. **Themanson, J. R.** (2014). Measuring neural and behavioral activity during ongoing computerized social interactions: An examination of event-related brain potentials. *Journal of Visualized Experiments*, 93, 1-8. (Invited).  
Impact Factor: 1.3
7. **Themanson, J. R.**, \*Ball, A. B., \*Khatcherian, S. M., & \*Rosen, P. J. (2014). The effects of social exclusion on the ERN and the cognitive control of action monitoring. *Psychophysiology*, 51, 215-225.  
Impact Factor: 3.2
8. **Themanson, J. R.**, \*Khatcherian, S. M., \*Ball, A. B., & \*Rosen, P. J. (2013). An event-related examination of neural activity during social interactions. *Social Cognitive and Affective Neuroscience*, 8, 727-733.  
Impact Factor: 5.9
9. **Themanson, J. R.**, \*Rosen, P. J., Pontifex, M. B., Hillman, C. H., & McAuley, E. (2012). Alterations in error-related brain activity and post-error behavior over time. *Brain and Cognition*, 80, 257-265.  
Impact Factor: 3.2
10. Williams J. K., & **Themanson, J. R.** (2011). Neural correlates of the implicit association test: evidence for semantic and emotional processing. *Social Cognitive and Affective Neuroscience*, 6, 468-476.  
Impact Factor: 6.1
11. **Themanson, J. R.**, Pontifex, M. B., Hillman, C. H., & McAuley, E. (2011). The relation of self-efficacy and error-related self regulation. *International Journal of Psychophysiology*, 80, 1-10.  
Impact Factor: 3.0
12. Kamiyo, K., O'Leary, K. C., Pontifex, M. B., **Themanson, J. R.**, & Hillman, C. H. (2010). The relation of aerobic fitness to neuroelectric indices of cognitive and motor task preparation. *Psychophysiology*, 47, 814-821.  
Impact Factor: 3.9
13. Pontifex, M. B., Scudder, M. R., Brown, M. L., O'Leary, K. C., Wu, C., **Themanson, J. R.**, & Hillman, C. H. (2010). On the number of trials necessary for stabilization of error-related brain activity across the lifespan. *Psychophysiology*, 47, 767-773.  
Impact Factor: 3.9

14. Hillman, C. H., Buck, S. M., **Themanson, J. R.**, Pontifex, M. B., & Castelli, D. (2009). Aerobic fitness and cognitive development: Event-related brain potential and task performance indices of executive control in preadolescent children. *Developmental Psychology*, 45, 114-129.  
Impact Factor: 3.5
15. **Themanson, J. R.**, Pontifex, M. B., & Hillman, C. H. (2008). Fitness and action monitoring: Evidence for improved cognitive flexibility in young adults. *Neuroscience*, 157, 319-328.  
Impact Factor: 3.3
16. **Themanson, J. R.**, Hillman, C. H., McAuley, E., Buck, S. M., Pontifex, M. B., Morris, K. S., & Doerksen, S. E. (2008). Self-efficacy effects on neuroelectric and behavioral indices of action monitoring in older adults. *Neurobiology of Aging*, 29, 1111-1122.  
Impact Factor: 5.4
17. **Themanson, J. R.**, Hillman, C. H., & Curtin, J. J. (2006). Age and physical activity influences on action monitoring during task switching. *Neurobiology of Aging*, 27, 1335-1345.  
Impact Factor: 5.6
18. **Themanson, J. R.** & Hillman, C. H. (2006). Cardiorespiratory fitness and acute aerobic exercise effects on neuroelectric and behavioral measures of action monitoring. *Neuroscience*, 141, 757-767.  
Impact Factor: 3.4

#### *Chapters in Books*

1. Hillman, C. H., Buck, S. M., & **Themanson, J. R.** (2009). Physical activity and neuroelectric indices of cognitive function across the lifespan. In W. Chodzko-Zajko, A. F. Kramer, & L. W. Poon (Vol. Eds.), *Enhancing cognitive functioning and brain plasticity* (Vol. 3, pp. 85-110). Champaign, IL: Human Kinetics.
2. Hillman, C. H., Pontifex, M. B., & **Themanson, J. R.** (2009). Acute aerobic exercise effects on event-related brain potentials. In T. McMorris, P. D. Tomporowski, & MN. Audiffren (Eds.), *Exercise and Cognition* (pp. 163-180). Indianapolis, IN: Wiley Publications.

#### *Refereed Abstracts (in print or accepted)*

1. **Themanson, J. R.**, \*Dunn, K. R., & \*Romas, R. J. (2015). An event-related examination of neural activity during witnessed social exclusion. *Psychophysiology*, 52, S46. (Poster presented at the 2015 annual meeting of the Society for Psychophysiological Research, Seattle, Washington).
2. **Themanson, J. R.**, \*Dunn, K. R., & \*Romas, R. J. (2014). Evidence for enhanced attentional allocation toward social information following witnessed social exclusion: An

- ERP study. *Psychophysiology*, 51, S79. (Poster presented at the 2014 annual meeting of the Society for Psychophysiological Research, Atlanta, Georgia).
3. **Themanson, J. R.**, \*Ball, A. B., \*Khatcherian, S. M., \*Schreiber, J. A., \*Larsen, A. D., \*Dunn, K. R., & \*Rosen, P. J. (2013). The ongoing cognitive processing of exclusionary social events: Evidence from event-related potentials. *Psychophysiology*, 50, S97. (Poster presented at the 2013 annual meeting of the Society for Psychophysiological Research, Florence, Italy).
  4. **Themanson, J. R.**, \*McCortney, K. R. (2013). In-task influences of valence and arousal on the ERN and action monitoring. Supplement to *Journal of Cognitive Neuroscience*, 25, S219. (Poster presented at the 2013 annual meeting of the Cognitive Neuroscience Society, San Francisco, California).
  5. **Themanson, J. R.**, \*Ball, A. B., \*Khatcherian, S. M., & \*Rosen, P. J. (2012). Examining the effects of social exclusion on neural and behavioral indices of self-regulatory action monitoring. *Psychophysiology*, 49, S104. (Poster presented at the 2012 annual meeting of the Society for Psychophysiological Research, New Orleans, Louisiana).
  6. **Themanson, J. R.**, \*Khatcherian, S. M., & \*Ball, A. B. (2011). Living (and dying) in the moment: An examination of ongoing neural activity during social exclusion. *Psychophysiology*, 48, S63. (Poster presented at the 2011 annual meeting of the Society for Psychophysiological Research, Boston, Massachusetts).
  7. **Themanson, J. R.** & \*Rosen, P. J. (2010). Examining the relationship between self-efficacy and stimulus processing. *Psychophysiology*, 47, S89. (Poster presented at the 2010 annual meeting of the Society for Psychophysiological Research, Portland, Oregon.)
  8. Williams, J. K. & **Themanson, J. R.** (2010). ERP correlates of order and target effects in the implicit association test. *Psychophysiology*, 47, S102. (Poster presented at the 2010 annual meeting of the Society for Psychophysiological Research, Portland, Oregon.)
  9. **Themanson, J. R.**, \*Rosen, P. J., \*Cunningham, M. J., \*Ball, A. B., \*Clark, B. M., Pontifex, M. B., Hillman, C. H., & McAuley, E. (2009). Distinguishing the relations between self-efficacy and personality on indices of action monitoring. *Psychophysiology*, 46, S89. (Poster presented at the 2009 annual meeting of the Society for Psychophysiological Research, Berlin, Germany.)
  10. **Themanson, J. R.**, \*Rosen, P. J., \*Ball, A. B., \*Cunningham, \*Clark, B. M., Pontifex, M. B., Hillman, C. H., & McAuley, E. (2009). Investigating alterations in the error-related negativity and post-error behavioral improvements across time. *Psychophysiology*, 46, S92. (Poster presented at the 2009 annual meeting of the Society for Psychophysiological Research, Berlin, Germany.)



11. Pontifex, M. B., Scudder, M. R., Brown, M. L., O’Leary, K. C., Wu, C., **Themanson, J. R.**, & Hillman, C. H. (2009). Stabilization of error-related brain activity across the lifespan. *Psychophysiology*, 46, S37. (Poster presented at the 2009 annual meeting of the Society for Psychophysiological Research, Berlin, Germany.)
12. Kamijo, K., O’Leary, K. C., Pontifex, M. B., **Themanson, J. R.**, & Hillman, C. H. (2009). Aerobic fitness effects on cognitive task preparation. *Psychophysiology*, 46, S37. (Poster presented at the 2009 annual meeting of the Society for Psychophysiological Research, Berlin, Germany.)
13. **Themanson, J. R.**, Pontifex, M. B., Hillman, C. H., & McAuley, E. (2008). A neural and behavioral examination of the relation between self-efficacy and action monitoring processes. *Psychophysiology*, 45, S88. (Poster presented at the 2008 annual meeting of the Society for Psychophysiological Research, Austin, TX.)
14. Samson, J. M., Sosnoff, J. J., Buck, S. M., Pontifex, M. B., **Themanson, J. R.**, & Hillman, C. H. (2008). Aerobic exercise training and intra-individual cognitive variability in older adults. *Medicine & Science in Sports & Exercise*, 40, S364. (Poster presented at the 2008 annual meeting of the American College of Sports Medicine, Indianapolis, IN.)
15. **Themanson, J. R.**, Pontifex, M. B., & Hillman, C. H. (2007). Cardiorespiratory fitness influences on the modulation of neuroelectric and behavioral indices of action monitoring. *Psychophysiology*, 44, S65. (Poster presented at the 2007 annual meeting of the Society for Psychophysiological Research, Savannah, GA.)
16. Hillman, C. H., **Themanson, J. R.**, Pontifex, M. B., George, D. C., Thompson, K. M., Valentini, T. A., & Wnek, K. J. (2007). Neuroelectric indices of error correction and the regulation of cognitive control. *Psychophysiology*, 44, S64. (Poster presented at the 2007 annual meeting of the Society for Psychophysiological Research, Savannah, GA.)
17. Hillman, C. H., Buck, S. M., **Themanson, J. R.**, & Pontifex, M. B. (2007). Aerobic fitness and neuroelectric indices of cognitive control in preadolescent children. *Medicine & Science in Sports & Exercise*, 39, S164. (Poster presented at the 2007 annual meeting of the American College of Sports Medicine, New Orleans, LA.)
18. **Themanson, J. R.**, Buck, S. M., Pontifex, M. B., Russell, C. A., Morris, K. S., Doerksen, S. E., Hess, J. J., McAuley, E., & Hillman, C. H. (2006). Self-efficacy and ERN in older adults. *Psychophysiology*, 43, S98. (Poster presented at the 2006 annual meeting of the Society for Psychophysiological Research, Vancouver, Canada.)
19. Buck, S. M., **Themanson, J. R.** & Hillman, C. H. (2006). Aerobic fitness and executive control in preadolescent children. *Psychophysiology*, 43, S27. (Poster presented at the 2006 annual meeting of the Society for Psychophysiological Research, Vancouver, Canada.)

20. **Themanson, J. R.** & Hillman, C. H. (2006). Cardiorespiratory fitness, acute aerobic exercise, and action monitoring. *Medicine and Science in Sport & Exercise*, 38, S28. (Oral presentation given at the 2006 annual meeting of the American College of Sports Medicine, Denver, CO.)
21. Hess, J., Morris, K., Doerksen, S., Buck, S., **Themanson, J.**, Pontifex, M., Hillman, C., & McAuley, E. (2006). Fitness, self-efficacy, and cognitive performance in older adults. *Medicine and Science in Sport & Exercise*, 38, S569. (Poster presented at the 2006 annual meeting of the American College of Sports Medicine, Denver, CO.)
22. **Themanson, J. R.**, Buck, S. M., Pontifex, M. B., Russell, C. A., Jereb, G. J. & Hillman, C. H. (2006). Cardiorespiratory fitness and action monitoring in preadolescent children. Supplement to *Journal of Cognitive Neuroscience*, 199. (Poster presented at the 2006 annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.)
23. **Themanson, J. R.** & Hillman, C. H. (2005). Acute exercise, cardiorespiratory fitness, and response monitoring. *Journal of Sport and Exercise Psychology*, 27, S152. (Oral presentation given at the 2005 annual meeting of the North American Society for the Psychology of Sport and Physical Activity, St. Petersburg, FL.)
24. **Themanson, J. R.**, Hillman, C. H., & Curtin, J. J. (2004). Differential influences of age and physical activity on ERN. *Psychophysiology*, 41, S34. (Poster presented at the 2004 annual meeting of the Society for Psychophysiological Research, Santa Fe, NM.)
25. Buck, S. M., **Themanson, J. R.**, Castelli, D., & Hillman, C. H. (2004). Error-related negativity in healthy preadolescent children. *Psychophysiology*, 41, S35. (Poster presented at the 2004 annual meeting of the Society for Psychophysiological Research, Santa Fe, NM.)
26. **Themanson, J. R.**, Hillman, C. H., & Curtin, J. J. (2004). Age and physical activity effects on error monitoring. *Journal of Sport and Exercise Psychology*, 26, S187. (Oral presentation given at the 2004 annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Vancouver, Canada.)

*Refereed Presentations (not included in Abstracts)*

1. **Themanson, J. R.** (2025). *Linking Neural Activity to Hitting Expertise: A Live-Pitch Analysis of Mental Processes in Baseball Players*. Oral presentation at the 2025 Society for American Baseball Research (SABR) Analytics Conference, Phoenix, Arizona.
2. **Themanson, J. R.** (2022). *Neuroscience at the Plate: Neural Activity during Computerized Task is related with In-Game Hitting Performance*. Oral presentation at the 2022 Society for American Baseball Research (SABR) Virtual Analytics Conference.
3. **Themanson, J. R.** (2021). *Contextual Influences on Neural Activity to Pitches and Feedback: Psychology and Performance at the Plate*. Oral presentation at the 2021 Society for American Baseball Research (SABR) Virtual Analytics Conference.

4. **Themanson, J. R.** (2020). *Examining Neural Activity to Pitches and Feedback at the Plate: Psychological and Performance Implications*. Oral presentation at the 2020 Society for American Baseball Research (SABR) Analytics Conference, Phoenix, Arizona.
5. **Themanson, J. R.**, \*Romay, R. J., & \*Dunn, K. R., (2014). *Witnessing social exclusion increases attentional control for inclusionary social information in subsequent interactions*. Poster presented at the 2014 annual meeting of the Society for Social Neuroscience, Washington, D.C.
6. \*Dunn, K. D. & **Themanson, J. R.** (2014). *Neural and behavioral effects of witnessing social exclusion on subsequent exclusion by previous targets*. Poster presented at the 2014 annual meeting of the Midwestern Psychological Association, Chicago, Illinois.
7. \*Romay, R. J. & **Themanson, J. R.** (2014). *Ostracism: How witnessing the perpetrators influences subsequent experiences of the target*. Poster presented at the 2014 annual meeting of the Midwestern Psychological Association, Chicago, Illinois.
8. **Themanson, J. R.**, \*Schreiber, J. A., \*Larsen, A. D., & \*Dunn, K. D. (2014). *Investigating differences due to the timing of social exclusion*. Poster presented at the 2014 annual meeting of the Midwestern Psychological Association, Chicago, Illinois.
9. **Themanson, J. R.**, \*Larsen, A. D., \*Schreiber, J. A., & \*Dunn, K. D. (2014). *Influences of different degrees of social exclusion on neural activity*. Poster presented at the 2014 annual meeting of the Midwestern Psychological Association, Chicago, Illinois.
10. \*Schardt, A. A. & **Themanson, J. R.** (2012). *Social physique anxiety, self-esteem, and body image: The effects of exercising with the opposite sex*. Poster presented at the 2012 annual meeting of the Midwestern Psychological Association, Chicago, Illinois.
11. Buck, S. M. & **Themanson, J. R.** (2012). *Knowledge of exercise principles in a diverse sample of adults*. Oral presentation given at the 2012 annual national convention and exposition of the American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD) held in Boston, Massachusetts.
12. \*Khatcherian, S. M., \*Ball, A. B., & **Themanson, J. R.** (2011). *An examination of ongoing neural activity during social exclusion*. Poster presented at the 2011 annual meeting of the Midwestern Psychological Association, Chicago, Illinois.
13. Morris, K., Doerksen, S., McAuley, E., Hillman, C., Buck, S., **Themanson, J.**, & Pontifex, M. (2005). *Self-efficacy, cognition, and fitness in older adults*. Poster presented at the 2005 annual meeting of the International Society for Behavioral Nutrition and Physical Activity, Amsterdam, The Netherlands.

## **Lectures and Symposia**

1. **Themanson, J. R.** (2024). *Neuroscience at the plate: On the relationship between neural activity and hitting performance in baseball players*. Lecture for the Faculty Colloquia Series, Illinois Wesleyan University, Bloomington, IL, Fall 2024.
2. **Themanson, J. R.** (2014). *Examining social exclusion: It's the little things that matter*. Lecture for the Faculty Colloquia Series, Illinois Wesleyan University, Bloomington, IL, Fall 2014.
3. Williams, J. M., **Themanson, J. R.**, & Daniels, J. R. (2011). *Neural and behavioral antecedents and consequences of social exclusion*. Lecture for the Natural Science Colloquia Series, Illinois Wesleyan University, Bloomington, IL, Spring 2011.
4. **Themanson, J. R.** (2008). *Neural indices of action monitoring*. Lecture for the Natural Science Colloquia Series, Illinois Wesleyan University, Bloomington, IL, Fall 2008.

## *Invited Lectures and Symposia*

1. **Themanson, J. R.** (2025). *Brainy baseball: Inside the heads of hitters*. Science on Tap lecture series, Keg Grove. Bloomington, IL. March 24, 2025.
2. **Themanson, J. R.** (2022). Panelist. *Sport Science and Player Health*. Symposium presented at the 2022 Society for American Baseball Research (SABR) Virtual Analytics Conference.
3. **Themanson, J. R.** (2020). *Your brain at the bat: How neural activity can inform baseball performance*. Lunch and Learn Program, McLean County Museum of History. Bloomington, IL. September 10, 2020.
4. **Themanson, J. R.** (2018). Panelist. *Creating a Collaborative Academic Culture for Successful Scholarship and Goal Completion*. Symposium presented at the 2018 Annual Conference on Advancing Faculty and Staff Success with Grants and Sponsored Programs, Illinois Wesleyan University, Bloomington, Illinois.
5. **Themanson, J. R.** (2014). Moderator. *Ostracism: Social Death*. Symposium presented at the 2014 Annual Meeting of the Midwestern Psychological Association, Chicago, Illinois.

## **Media Presentations**

1. “What we remember, what we forget, and the brawl that beat back time.” Marc Carig. *The Athletic*. Article featuring interviews with me and other scientists on the nature of memory published on November 1, 2021.  
[https://theathletic.com/2847672/2021/11/01/what-we-remember-what-we-forget-and-the-brawl-that-beat-back-time/?source=emp\\_shared\\_article](https://theathletic.com/2847672/2021/11/01/what-we-remember-what-we-forget-and-the-brawl-that-beat-back-time/?source=emp_shared_article)

2. “Talking defense with Royals outfielder Michael A. Taylor.” Sports Info Solutions Baseball Podcast. Interview with a professional baseball player and me on fielding, perception, and neuroscience in baseball. First aired on April, 29, 2021.  
<https://podcasts.apple.com/us/podcast/talking-defense-with-royals-outfielder-michael-a-taylor/id1461705002?i=1000519223371>
3. “Mookie Betts’ brain has all the angles covered.” Mark Simon. *Sports Info Solutions* blog. Article featuring an interview with me on the neuroscience of movement and perception published on April 21, 2021.  
<https://sportsinfosolutionsblog.com/2021/04/21/mookie-betts-brain-has-all-the-angles-covered/>
4. “IWU professor studies data, psychology link in baseball.” Eric Stock. *WGLT Sound Ideas*. Article and radio segment featuring my research published on February 12, 2020. WGLT public radio, 89.1 FM, Bloomington, IL. <https://www.wglt.org/post/iwu-professor-studies-data-psychology-link-baseball#stream/0>
5. “The psychology of walks and singles.” Jason Themanson. *The Hardball Times* baseball website. I was the sole author for an article published on June 19, 2019.  
<http://tht.fangraphs.com/the-psychology-of-walks-and-singles/>
6. “Win the mind games.” Matthew Solan. *Men’s Health* magazine, June 2009 issue. Featured my peer-reviewed research examining fitness-related benefits on self-regulatory action monitoring function. <https://www.menshealth.com/health/a19530415/maintain-brain-power/>
7. ABC’s *20/20* with Michael Guillen. Featured accuracy of first impressions research conducted with David Kenny. The segment aired on November 6, 1998.

## Teaching Experience

### Courses Taught

#### *Illinois Wesleyan University*

Neuroscience 110	Foundations of Neuroscience
Neuroscience 395	Directed Study in Neuroscience
Neuroscience 400	Capstone in Neuroscience
Neuroscience 499	Research/Thesis in Neuroscience
Psychology 100	General Psychology
Psychology 202	Psychological Research
Psychology 212	Perception and Cognition
Psychology 213	Behavioral Neuroscience
Psychology 227	Statistics
Psychology 259	Social Psychology
Psychology 300	Research Methods
Psychology 330	History and Systems of Psychology
Psychology 332/329/314	Cognitive Psychophysiology/Advanced Human Neuroscience
Psychology 332/329/380	Sport and Exercise Psychology

Psychology 332	Human Neuroscience Laboratory (May Term)
Psychology 395	Directed Study in Psychology
Psychology 400	Directed Research in Psychology
Psychology 401	Thesis in Psychology

*Illinois State University*

Psychology 263	Physiological Psychology
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*Millikin University*

Nursing 512	Biostatistical Methods (graduate course)
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*University of Illinois at Urbana-Champaign*

Kinesiology 140	Social Science of Human Movement (Head Teaching Assistant and Laboratory Coordinator, Laboratory/Discussion Instructor)
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*University of Connecticut*

Psychology 132	General Psychology (Teaching Assistant)
Psychology 202Q	Principles of Research in Psychology (Teaching Assistant)
Psychology 240	Social Psychology (Teaching Assistant)

**Mentoring of Undergraduates***Thesis Advisor*

2024-2025	Nabeel Bhimani. Senior Honors Thesis. <i>Neural and behavioral changes in consecutive errors.</i>
2020-2021	Grace Norton. Senior Thesis. <i>Self-regulation in a speeded response task with a competitive mindset.</i>
2019-2020	Alivia Hay. Senior Thesis. <i>Feedback processing during speeded-response tasks: Expertise effects on performance.</i>
2018-2019	Niyant Vora. Senior Honors Thesis. <i>On the nature of synesthesia: A learned association or something different?</i>
2017-2018	Nicole Bing, Senior Thesis. <i>Error processing in speeded response tasks: Expertise differences in cognitive control.</i>
2016-2017	Tanya Gupta, Senior Honors Thesis. <i>The effects of mood states on neural and behavioral indices of social exclusion.</i>
2015-2016	Anna Moczynski, Senior Honors Thesis. <i>The influence of social exclusion on self-regulatory control: Neuronal and behavioral activity effects during subsequent cognitive tasks.</i>
2015-2016	Natalie Weimer, Senior Honors Thesis. <i>Neural and behavioral effects of social exclusion on self-regulation.</i>
2014-2015	Jessica White, Senior Honors Thesis. <i>Neural effects of varying levels of social re-inclusion after varying periods of social exclusion.</i>
2013-2014	Kaitlin Dunn, Senior Honors Thesis. <i>Neural and behavioral effects of being excluded by the targets of a witnessed exclusion.</i>
2013-2014	Roberto Romay, Senior Honors Thesis. <i>Ostracism: How witnessing the perpetrators influences subsequent experiences of the target.</i>

- 2011-2012 Kathleen McCartney, Senior Thesis. *The effect of negative affect on reaction time and the error-related negativity.*
- 2011-2012 Alyssa Schardt, Senior Honors Thesis. *Social physique anxiety, self-esteem, and body image: The effects of exercising with the opposite sex.*
- 2011-2012 Kevin Seske, Senior Thesis. *Type I diabetes and its effects on active and inactive goal priming for exercise.*
- 2010-2011 Aaron Ball, Senior Honors Thesis. *The neural and behavioral effects of social exclusion on self-regulatory processes.*
- 2010-2011 Stephanie Khatcherian. Senior Honors Thesis. *Neural activation and social exclusion: An event-related investigation.*
- 2009-2010 Peter Rosen, Senior Honors Thesis. *Examining the relationship between self-efficacy and stimulus processing.*
- 2007-2008 Betsy Mraz, Senior Honors Thesis. *The effects of cardiorespiratory fitness on behavioral and neuroelectric indices of cognition in young adults.*

*Independent Study Students*

Liana Carr  
 Kennady Estes  
 Hadley Fudge  
 Julian Perez  
 Evan Daly  
 Chloe Xu  
 Catherine Goodwin  
 Nico Gubenko  
 Alivia Hay  
 Davida Boron  
 Sydney Pinder  
 Brandon Skopick  
 Lucas Sieving  
 Rylee Fishel  
 Rachel Schneider  
 Jacquelyn Schirmacher  
 Maggie LoBue  
 Kelli Sloan  
 Victoria Goodale  
 Jennifer Schreiber  
 Amanda Larsen

*NexSTEM Scholar*

- 2019-2020 Noah Cox  
 2019-2020 Alex Salerno

*Thesis Committee Member*

- 2023-2024 Samantha De Souza  
 2023-2024 Samantha Wilcox  
 2022-2023 Neal George

2021-2022	Viktoriya Salgalova
2020-2021	Kelsey Wyman
2019-2020	Sydney Shanks
2019-2020	Haley Sheller
2018-2019	Amy Clapp
2018-2019	Victoria Nemchek
2017-2018	Zachary Silver
2017-2018	Shannon Maloney
2017-2018	Kathleen O'Shea
2016-2017	Eric Rydell
2015-2016	Niccole Nelson
2015-2016	Nitesh Kumar
2012-2013	Jordan Stewart
2012-2013	Elisabeth English
2011-2012	Maxwell Lustick
2011-2012	Sean O'Bryan
2011-2012	Erin Vogel
2011-2012	Yuliana Zaikman
2010-2011	Anna Genchanok
2010-2011	Claire Karlen
2010-2011	Daniel Kern
2010-2011	Andrew Ross
2010-2011	Alexander Willett
2009-2010	Jennifer Sobyra
2008-2009	Melinda Mallory
2007-2008	Claire Goble
2007-2008	Jennifer Morozink
2007-2008	Ryan Peterson
2007-2008	Jennifer Schnupp
2007-2008	Andrew Tharp

## **Service (in addition to administrative leadership and experience)**

### **University Service to Illinois Wesleyan University**

#### *Department of Psychology*

2007-present	Psychology Student Academic Advisor
2007-present	Psi Chi Faculty Advisor
2024-2025	Search Committee, Assistant Professor of Social Psychology (Member)
2023-2024	Search Committee, Visiting Assistant Professor of Social Psychology (Member)
2010-2014	Search Committee, Visiting Assistant Professors of Psychology (Member)
2012-2013	Search Committee, Assistant Professor of Cognitive Psychology (Member)
2011-2012	Search Committee, Assistant Professor of Behavioral Psychology (Member)
2010-2011	Search Committee, Assistant Professor of Social Psychology (Member)
2008-2009	Search Committee, Assistant Professor of Developmental/Lifespan Psychology (Member)



*Neuroscience Program*

- 2020-present Neuroscience Student Academic Advisor  
 2024-2025 Search Committee, Visiting Assistant Professor of Neuroscience (Member)

*Illinois Wesleyan University*

- 2010-present First-Year Student Academic Advisor Program (Member)  
 2023-2024 Technos International Week Selection Committee (Member)  
 2021-2022 Endowed Professors Selection Committee (Member)  
 2016-2017 Premedical/Pre dental Advisory Committee (Member)  
 2009-2016 Institutional Review Board (Member)  
 2014-2015 Endowed Professors Selection Committee (Member)  
 2013-2015 Promotion and Tenure Committee (Member)  
 2011-2015 Library Advisory Committee (Member)  
 2011-2013 Hearing Committee (Member)  
 2008-2009 Search Committee, Visiting Assistant Professor of Chemistry (Member)

**University Service to the University of Illinois at Urbana-Champaign**

- 2006-2007 University Librarian's Student Advisory Committee. (Graduate Student Representative for the College of Applied Health Sciences).  
 2005-2006 University Librarian's Student Advisory Committee. (Graduate Student Representative, for the College of Applied Life Studies).  
 2004 All-Campus Teaching Assistants Orientation, Center for Teaching Excellence. (Graduate Student Facilitator/Instructor).

**Public and Professional Service***National Professional Service and Affiliations*

- 2021-present Research Presentation Selection Committee (Member), Society of American Baseball Research  
 2017-present Society for American Baseball Research (Member)  
 2007-present Midwestern Psychological Association (Member)  
 2003-present North American Society for the Psychology of Sport and Physical Activity (Member)  
 2003-present Society for Psychophysiological Research (Member)  
 2014-2015 Primarily Undergraduate Institutions Roundtables (Faculty Representative), Society for Psychophysiological Research  
 2011-2015 Society for Social Neuroscience (Member)  
 2005-2015 Cognitive Neuroscience Society (Member)  
 2007-2009 Association for Psychological Science (Member)  
 2003-2007 American College of Sports Medicine (Member)

*Ad-hoc Journal Reviewer*

*Basic and Applied Social Psychology*  
*Behavioural Brain Research*  
*Biological Psychology*  
*Cerebral Cortex*  
*Developmental Cognitive Neuroscience*  
*IEEE Access*  
*Human Brain Mapping*  
*International Journal of Psychophysiology*  
*Journal of Clinical and Experimental Neuropsychology*  
*Journal of Psychophysiology*  
*Journal of Sports Sciences*  
*Learning and Motivation*  
*Neuropsychologia*  
*Neuroscience*  
*Neuroscience Letters*  
*PLOS One*  
*Psychology of Sport & Exercise*  
*Psychophysiology*  
*Scientific Reports*  
*Social Cognitive and Affective Neuroscience*  
*The Physician and Sportsmedicine*

*Book Reviewer*

Oxford University Press  
W. W. Norton & Company  
Sinauer Associates Publishers

*Grant Reviewer*

The Education University of Hong Kong –  
Research Grants Council General Research Fund (GRF) / Early Career  
Scheme (ECS) 2019/2020  
Deutsche Forschungsgemeinschaft (DFG - German Research Foundation)  
Research Grants Program – Individual Proposals 2019/2020

**Community Service**

Volunteer coach and umpire/official for various youth sports programs including: Mahomet Parks and Recreations (baseball, basketball, soccer), Mahomet Junior Basketball Association (basketball), Mahomet Mavericks (baseball), Monticello Thunder (baseball), White Heath Recreational League (baseball, softball), Mahomet-Seymour Bulldog Baseball Club (baseball)