






# CHRISTINA H. BEJJANI

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## EDUCATION

- 2021, Ph.D. (expected) Department of Psychology & Neuroscience, Duke University  
Certificates: Cognitive Neuroscience, College Teaching, Accomplishment in Teaching Writing in the Disciplines  
*Dissertation: Learning Context-Sensitive Control*  
Tobias Egner; Committee: John Pearson, Elizabeth Marsh, Gregory Samanez-Larkin
- 2018, M.A. Department of Psychology & Neuroscience, Duke University  
*How episodic structure shapes the learning of cognitive control: A theoretical review*
- 2013, B.A. Department of Neuroscience, Pomona College  
*M1 and M2 activation of homologous mammalian Drosophila hemocytes*

## PUBLICATIONS

\* = undergraduate student mentored, \*\* = equal authorship contribution

1. **Bejjani, C.**, Dolgin, J., Zhang, Z.\*, and Egner, T. (2020). Disentangling the roles of cue visibility and knowledge in adjusting cognitive control: A preregistered direct replication of the Farooqui and Manly (2015) study. *Psychological Science*, 31(4), 468-479. <https://doi.org/10.1177/0956797620904045>  
Open access preprint available [here](#).
2. **Bejjani, C.**, Tan, S.\*, and Egner, T. (2020). Performance feedback promotes proactive but not reactive adaptation of conflict-control. *Journal of Experimental Psychology: Human Perception and Performance*, 46(4), 369-387. <https://doi.org/10.1037/xhp0000720>  
Open access preprint available [here](#).
3. **Bejjani, C.** and Egner, T. (2019). Spontaneous task structure formation results in a cost to incidental memory of task stimuli. *Frontiers in Psychology*, 10, 2833.  
<https://doi.org/10.3389/fpsyg.2019.02833>
4. **Bejjani, C.**, DePasque, S., and Tricomi, E. (2019). Intelligence mindset shapes neural learning signals and memory. *Biological Psychology*, 146, 107715.  
<https://doi.org/10.1016/j.biopsycho.2019.06.003>  
Open access preprint available [here](#).  
Article covered in [Rutgers-Newark featured post](#)
5. DiMenichi, B.C., Lempert, K.M., **Bejjani, C.**, and Tricomi, E. (2018). Writing about past failures

attenuates cortisol responses and sustained attention deficits following psychosocial stress. *Frontiers in Behavioral Neuroscience*, 12: 45. <http://doi.org/10.3389/fnbeh.2018.00045>

Article covered in [Newsweek](#), [Science Daily](#), [Forbes](#), [The Daily Mail](#), [Moneyish](#), [Mic](#), [New York Post](#), [Neuroscience News](#), and [more](#)

6. **Bejjani, C.**, Zhang, Z.\*, and Egner, T. (2018). Control by association: Transfer of implicitly primed attentional states across linked stimuli. *Psychonomic Bulletin and Review*, 25(2): 617-626. <http://dx.doi.org/10.3758/s13423-018-1445-6>

Article covered in [Psychonomics Featured Content](#)

## MANUSCRIPTS IN PROGRESS

1. **Bejjani, C.** and Egner, T. (invited revision in preparation for *Journal of Experimental Psychology: Learning, Memory, and Cognition*; open access preprint [here](#)). How reinforcement shapes the binding of stimulus-control associations.

2. Yang, B.W.\*\*, **Bejjani, C.\*\***, and Hard, B.M. (under review at *Teaching of Psychology*). Teaching intelligence mindsets with student data.

3. **Bejjani, C.\*\***, Siqi-Liu, A.\*\*, and Egner, T. (in preparation for *Journal of Experimental Psychology: Learning, Memory, and Cognition*). Minimal impact of consolidation on learned switch-readiness.

## REFEREED POSTER PRESENTATIONS

1. **Bejjani, C.** and Egner, T. (2020, November). Performance feedback enhances the binding of stimulus-control associations. Poster presented by C.B. at the 61<sup>st</sup> annual meeting of Psychonomics Society, virtual.

2. Yang, B.W.,\*\* **Bejjani, C.\*\***, Albus, T.\*, O'Connor, T.\*, Ebrem, C.\*, and Hard, B.M. (2020, January). Using Language to Measure Student Beliefs about Intelligence. Poster presented by B.W.Y. & C.B. at the 42<sup>nd</sup> annual meeting of the National Institute on the Teaching of Psychology, St. Pete Beach, FL.

3. **Bejjani, C.** and Egner, T. (2019, November). Performance feedback promotes learned proactive but not reactive adaptation of conflict-control. Poster presented by C.B. at the 60<sup>th</sup> annual meeting of the Psychonomics Society, Montreal, CA.

4. Dolgin, J., **Bejjani, C.**, Zhang, Z.\*, and Egner, T. (2019, May). Disentangling the roles of cue visibility and knowledge in learning cognitive control. Poster presented by J.D. at the 31<sup>st</sup> annual meeting of the Association for Psychological Science, Washington, D.C.

5. Zhang, Z.\*, **Bejjani, C.**, Dolgin, J., and Egner, T. (2019, March). Disentangling the roles of cue visibility and knowledge in learning cognitive control. Poster presented by Z.Z. and J.D. at the 26<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

6. **Bejjani, C.**, Whitehead, P.S., Sali, A.W., Chiu, Y.C., and Egner, T. (2019, March). Assessing causal contributions of parietal cortex to learned cognitive flexibility. Poster presented by C.B. at the 26<sup>th</sup>

annual meeting of the Cognitive Neuroscience Society, San Francisco, CA. *Graduate Student Award*.

7. **Bejjani, C.** and Egner, T. (2018, November). Causal transfer of specific attentional control states. Poster presented by C.B. at the 59<sup>th</sup> annual meeting of the Psychonomics Society, New Orleans, LA. *Psychonomics Graduate Travel Award*.

8. **Bejjani, C.** and Egner, T. (2018, March). Creating structured task-sets from categorical stimuli. Poster presented by C.B. at the 25<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, Boston, MA.

9. Sali, A.W., **Bejjani, C.**, and Egner, T. (2018, March). Learning cognitive flexibility: Neural mechanisms of adaptive switch readiness. Poster presented by A.W.S. at the 25<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, Boston, MA.

10. **Bejjani, C.**, Zhang, Z.\*, and Egner, T. (2018, February). Causal transfer of specific attentional control states. Poster presented by Z.Z. at the North Carolina Cognition Conference, Chapel Hill, NC.

11. **Bejjani, C.** and Egner, T. (2017, October). Control by association: Transfer of implicitly primed control-states across linked stimuli. Poster presented by C.B. at the 58<sup>th</sup> annual meeting of the Psychonomics Society, Vancouver, CA. *3<sup>rd</sup> place for Psychonomics conference Division 3 Poster Award*.

12. Sali, A.W., **Bejjani, C.** and Egner, T. (2017, October). Neural mechanisms of learned switch-readiness. Poster presented by A.W.S. at the 58<sup>th</sup> annual meeting of the Psychonomics Society, Vancouver, CA.

13. **Bejjani, C.**, DePasque, S., Bhanji, J.P., and Tricomi, E. (2017, March). Effects of intelligence mindset on performance are mediated by dlPFC and caudate. Poster presented by C.B. at the 24<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

14. **Bejjani, C.**, DePasque, S., and Tricomi, E. (2016, April). Theory of intelligence influences striatal response to feedback after a demanding test. Poster presented by C.B. at the 9<sup>th</sup> annual meeting of the Social Affective Neuroscience Society, New York, NY.

15. **Bejjani, C.**, DePasque, S., and Tricomi, E. (2016, March). Cognitive appraisal of threat influences striatal response to negative feedback. Poster presented by C.B. at the 23<sup>rd</sup> annual meeting of the Cognitive Neuroscience Society, New York, NY. *Cognitive Neuroscience Society People's Choice award*.

16. Sullivan-Toole, H., **Bejjani, C.**, and Tricomi, E. (2015, March). The interplay of choice and effort on outcome processing. Poster presented by H.S.T. and C.B. at the 22<sup>nd</sup> annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

17. **Bejjani, C.H.**, King, J.T, and Watanabe, J. (2012, October). Conserved mechanism of phagocytosis in mammals and drosophila. Poster presented by C.B. at the 42<sup>nd</sup> annual meeting of the Society for Neuroscience, New Orleans, LA.

## RESEARCH, TRAINING, & SERVICE GRANTS

- 2019            Germinator Grant (\$25,000), Duke Institute for Brain Sciences  
                 Pls: Christina Bejjani & Tobias Egner  
                 Co-Is: John Pearson, Terrie Moffitt, Avshalom Caspi, and Alison Adcock  
                 *Towards a Computational Psychiatry of Transdiagnostic Deficits in Cognitive Control*
- Charles Lafitte Foundation Graduate Grant Award (\$1,022), Duke University  
                 PI: Christina Bejjani, Mentor: Tobias Egner  
                 *Modeling How Episodic Memory Affects the Learning of Cognitive Control on an Individual and Group Level*
- Charles Lafitte Foundation Graduate Grant Award (\$4,880), Duke University  
                 Pls: Christina Bejjani\*\*, Brenda Yang\*\*, Mentor: Bridgette Martin Hard  
                 *Intelligence Mindsets across Classrooms*
- 2018            Graduate Student Training Enhancement Grant (\$700), Duke Graduate School  
                 *Computational Summer School*
- Professional Development Grant (\$1,500), Duke Graduate School  
                 Pls: Christina Bejjani & Elizabeth Marsh  
                 *Psychology & Neuroscience Department - Women's Support Network*  
                 "How to Advocate for Yourself" panel, talks from Drs. Stacey Daughters & Alana Connor, & a biweekly writing group
- 2017            Graduate Student Training Enhancement Grant (\$400), Duke Graduate School  
                 *Computational Summer School*, offered but not accepted

## HONORS AND AWARDS

- 2020            Vertical Integration Program Mentor, Duke University  
                 Bass Digital Education Fellowship, Duke University  
                 Dean's Award for Excellence in Mentoring, Duke University
- 2019, 2020      Competitive Summer Graduate Research Fellowship, Duke University
- 2018, 2019      Charles Lafitte Foundation Graduate/Postdoc Travel Award, Duke University
- 2019            Graduate Travel Award, Duke Graduate School  
                 Preparing Future Faculty Program, Duke University  
                 Graduate Student Award, Cognitive Neuroscience Society
- 2018            Graduate Travel Award, Psychonomics Society  
                 Young Star Estes Award, Indiana University, Bloomington
- 2017, 2018      Summer Graduate Research Fellowship, Duke University

- Claire Hamilton Conference Travel Award, Duke University  
Interdisciplinary Behavioral Research Center Mini-Grant, Duke SSRI
- 2017      3<sup>rd</sup> place, Psychonomics conference Division 3 Poster Award, Psychonomics Society  
Translational Ambassador, Duke University
- 2016      People's Choice Poster Award, Cognitive Neuroscience Society
- 2012      Sigma Xi Associate Member Nomination, Pomona College  
Summer Undergraduate Research Fellowship, Pomona College

## TEACHING EXPERIENCE

### *Instructor of Record:*

- 2020 –      Introductory Programming for Online Social Science Experiments, Duke University  
Project development as part of Bass Digital Education Fellowship
- Modules on conducting User Experience Research, Duke University  
Project development as part of Bass Digital Education Fellowship
- 2019      Introduction to Cognitive Psychology (Summer Term I), Duke University  
<https://cogpsychduke2019.github.io>

### *Teaching Assistantships at Duke University:*

- 2019      Introduction to Statistical Methods in Psychology (Spring, Professor: Gregory Samanez-Larkin)
- 2018      Introduction to Cognitive Psychology (Fall, Professor: Roberto Cabeza)
- Distinction Thesis Workshop (Spring, Professor: Tobias Egner)
- 2017      Introduction to Cognitive Neuroscience (Fall, Professor: Tobias Egner)

### *Workshops, Guest Lectures, and Demos:*

- 2019      Athletics Tutor, Introduction to Cognitive Psychology, Duke University  
Guest Lecture/Research Talk, Neuropsychology, Meredith College  
Consultant, Graduate TA workshop, Psychology & Neuroscience, Duke University
- 2018, 2019      Cognitive Neuroscience Admitting Program recruitment weekend demo on Transcranial Magnetic Stimulation (TMS), Duke University
- 2018      Guest Lecture, Introduction to Cognitive Psychology, Duke University

2017                    JavaScript/Amazon Mechanical Turk Workshop for Cognitive Neuroscience  
Admitting Program & Psychology & Neuroscience students, Duke University

*Professional Development:*

2019 – 2020        Preparing Future Faculty program, Duke University  
Mentor: Betty-Shannon Prevatt, Meredith College  
*Competitive program geared towards introducing fellows to various faculty roles, including those at local liberal arts colleges, a state school, an HBCU, and a research university through onsite visits and one-on-one faculty mentorship*

2019                    Attendee at PsychOne Conference, Duke University

2018                    Teaching Triangles, Duke University  
*Peer observation of teaching from two PhD (English and Political Science) students in the Certificate for College Teaching program*

2018, 2019           Attendee at Teaching and Learning Conference, Elon University

2017 –                Certificate of Accomplishment in Teaching Writing in the Disciplines, Duke University  
Workshops taken: *Grading Student Writing, Crafting Effective Writing Assignments I: The Writing Task, Crafting Effective Writing Assignments II: The Writing Process, Helping Students Write Well Structured Papers, Rethinking the Library Research Paper*, in addition to reflections on writing assignments, feedback samples, and *The Elements of Teaching Writing: A Resource for Instructors in All Disciplines*

Certificate in College Teaching, Duke University  
Courses taken: *Fundamentals of College Teaching, College Teaching – Course Design, College Teaching and Visual Communication, Research in the Classroom, Digital Pedagogy, Psychology Teaching Seminar*

## **MENTORING EXPERIENCE**

*Honors Thesis Students:*

2017 – 2020        Ziwei Zhang, Class of 2020, Duke University  
Now: PhD student at University of Chicago, PI: Monica Rosenberg

*Awards:*

Summer Neuroscience Program, Duke Institute for Brain Sciences  
Charles Lafitte Foundation Undergraduate Travel Award, Duke University (2x)

*Independent Study Students:*

- 2019 – Vineethsubbu Somasundaram, Class of 2022, Duke University
- Awards:*
- Vertical Integration Program, Psychology & Neuroscience, Duke University
- 2018 – 2019 Sophie Tan, Class of 2020, Duke University
- Awards:*
- Vertical Integration Program, Psychology & Neuroscience, Duke University  
*Offered, but not accepted*

*Research Practicum Students and Research Assistants:*

- 2019 Benjamin Romero Jr., Class of 2021, Duke University
- 2018 – 2020 Co-mentored with Brenda Yang, Duke University:  
 Noah Schaffir, Class of 2021;  
 Sydney Albert, Class of 2022;  
 Thomas O'Connor, Class of 2020, Now: Data Analyst, BNY Mellon  
 Taylor Albus, Class of 2020, Now: Technology Analyst, Goldman Sachs
- 2016 Jessica Bowen, Class of 2018, Rutgers-Newark;  
 Mihika Gupta, Class of 2018, Rutgers-Newark

*Professional Development:*

- 2019 Participant, Mentorship Workshop series, Duke Institute for Brain Sciences
- 2018 Mentor, First-year Psychology & Neuroscience graduate students, Duke University
- 2016 – 2017 Founder, Graduate/undergraduate student mentorship program, Women in Science and Engineering, Duke University
- 2016 Selected for inaugural graduate/undergraduate mentoring program: Passing the Torch, Women's Center, Duke University
- 2012 – 2013 Residential Adviser, Pomona College

## **RESEARCH EXPERIENCE**

- 2016 – 2021 Department of Psychology & Neuroscience, Duke University  
 Ph.D. Graduate Student, Cognitive Neuroscience area  
 Tobias Egner (advisor), Bridgette Martin Hard and John Pearson (collaborators)

- 2014 – 2016 Department of Psychology, Rutgers University, Newark  
Principal Lab Assistant  
PI: Elizabeth Tricomi
- 2013 – 2014 Department of Psychology, University of California, Los Angeles  
Research Assistant  
PI: Jesse Rissman, with Natalie De Shetler, Ph.D.
- 2011 – 2013 Departments of Neuroscience and Biology, Pomona College  
Research Assistant  
PIs: Junryo Watanabe & Rachel Levin

## UNIVERSITY SERVICE

- 2017 – 2020 Graduate & Professional Student Council Representative, Psychology & Neuroscience, Duke University  
Served on *Student Health Insurance Advisory Committee, Harassment Grievance Board, GPSC Advocacy Committee*
- Discussion leader (1x) & member, Women in Science & Business book club (later known as Scientists Promoting Equity and Knowledge), Duke University
- 2020 Panelist, Graduate TA Workshop, Psychology & Neuroscience, Duke University  
Reviewer, TA Guidelines for Psychology & Neuroscience, Duke University  
Reviewer, Preparing Future Faculty Program, Duke University  
Panelist, Preparing Future Faculty Information Session, Duke University  
Presenter, Graduate Board of Visitors, Duke University
- 2017 – 2019 Graduate Student Affairs Liaison, Psychology & Neuroscience, Duke University
- 2018, 2019 Panelist, Applying to Graduate School, Psychology & Neuroscience, Duke University
- 2017 – 2018 Founder, Psychology & Neuroscience Women's Support Network, Duke University  
Co-organizer, Center for Cognitive Neuroscience journal club, Duke University
- 2016 – 2018 Co-organizer, Psychology & Neuroscience Graduate Student Recruitment Weekend, Duke University
- 2018 Presenter, Duke Institute for Brain Sciences External Advisory Board meeting
- 2017 Panelist, Applying to Graduate School, Neuroscience Majors Union, Duke University  
Planning Committee Member, Women in Science and Engineering, Duke University
- 2014 – 2016 Discussion leader (3x) & member, Women in Science book club, Rutgers-Newark
- 2009 – 2013 Editorial Board Member, Passwords (literary magazine), Pomona College



- 2010 – 2013 Co-founder of 5Cs Out Loud (creative expression club), Pomona College
- 2009 – 2011 Class representative, Pomona Events Committee, Pomona College
- 2009 Section Editor, Metate (yearbook), Pomona College

## NATIONAL SERVICE

*Ad-hoc Reviewer (alone and with advisor\*):*

Cognition\* • Cognitive Psychology\* • Journal of Experimental Psychology: Learning, Memory and Cognition • Journal of Experimental Psychology: Human Perception and Performance\* • Psychological Research\*

*Society-based:*

- 2017, 2018 Volunteer at the 24th & 25th annual Cognitive Neuroscience Society meetings
- 2017 Judge for the Sigma Xi virtual Student Research Showcase

## OUTREACH

*Writing:*

- 2019 Supervised cognitive psychology writing for Duke Research Blog, Duke University  
[Innocent Until Proven Guilty? Well, That Depends](#) by Casey Chanler  
[6-Month-Old Brains Are Categorically Brilliant](#) by Jing Liu  
[A Mind at Rest Still Has Feelings](#) by Brynne O'Shea  
[Are People Stuck with Their Political Views?](#) by Casey Holman  
[Move Your Eyes and Wiggle Your Ears](#) by Benjamin Fiszal  
[Your Brain Likes YOU Most](#) by Kenan Kaptanoglu  
[Putting Your Wandering Mind on a Leash](#) by Jesse Lowey  
[Just The Way You Can Say It Can Make Something 'True'](#) by Kevyn Smith
- 2017, 2019 Writer, Professional Development blog for the Duke University Graduate School:  
*Guest Post: "[Making Time to Write: The Value of Writing Groups](#)"*  
*Guest Post: "[Alumni Profiles Series: Vijeth Iyengar](#)"*  
*Guest Post: "[Becoming a Better Teacher: Trans\\* Inclusive Pedagogy](#)"*

*Community-based:*

- 2020 Perkins Library Student Wall Exhibit: "[What do we think about when we think about intelligence?](#)", organized by Christina Bejjani & Brenda Yang; assisted by Ceren Ebrems, Sydney Albert, Noah Schaffir, & Bridgette Martin Hard

2017, 2020	Judge, NC Central Regional Science and Engineering Fair, Durham
2017, 2018	Kids table team leader, Duke Institute of Brain Sciences Brain Discovery Day
2016, 2017	Graduate mentor, US2020 Research Triangle Park STEM-focused Expos
2016	Presenter, Graduate Women in Science & NC Girl Scouts, Meredith College
2011	Health Stimulus Initiative Intern, Portable Wellness Clinic, Chino Hills
2009 – 2011	Events committee organizer, Red Cross Club, Pomona College

## ADDITIONAL TRAINING

2020	Introduction to Software Development, Graduate Academy, Duke University Introduction to SQL and Managing Big Data with MySQL coursera, Duke University
2018	Model-based Neuroscience Summer School, University of Amsterdam Summer School in Machine Learning, Duke University Summer School in Social Neuroscience and Neuroeconomics, Duke University Workshop on " <a href="#">Deep, fast and shallow learning in humans and machines</a> ", Indiana University, Bloomington Course in Science Communication, Duke University
2017	Graduate Teaching Assistant Training, Duke University Course in Transcranial Magnetic Stimulation (TMS), Duke University

## PROFESSIONAL MEMBERSHIPS

American Psychological Association, Association for Psychological Science, Cognitive Neuroscience Society, Social and Affective Neuroscience Society, Society for Neuroscience, Sigma Xi Scientific Honor Society

## TECHNICAL SKILLS

### *Languages:*

Familiarity with Arabic and French

### *Computer-based:*

JavaScript, HTML, CSS, Python, Matlab (incl. Psychtoolbox), R, MTurk, E-Prime, SPSS, JASP, BrainVoyager, FSL, Bootstrap, Photoshop, InDesign, Illustrator, Microsoft Office, Web Development

## REFERENCES

Tobias Egner  
PhD Advisor & TA Supervisor  
Topics: Teaching, Mentoring, & Research  
Prof. of Psychology & Neuroscience  
(919) 684-1049  
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Bridgette Martin Hard  
Collaborator & Teacher  
Topics: Teaching, Mentoring, & Research  
Assoc. Prof. of the Practice of Psychology & Neuroscience  
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Committee Member, Collaborator, & Teacher  
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Assistant Prof. of Biostatistics & Bioinformatics  
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Elizabeth Marsh  
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Topics: Service, Mentoring, & Research  
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(919) 660-5796  
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Jack H. Neely Associate Prof.  
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Elizabeth Tricomi  
Post-bac Research Supervisor  
Topics: Research  
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