

Curriculum Vitae

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Academic Positions

July 2018 – present: Assistant Professor, Boston College, Boston, Massachusetts

Education

May 2014: Ph.D in Psychology, Harvard University, Cambridge, Massachusetts.

September 2008 – May 2010: Master of Arts in Psychology, Harvard University, Cambridge, Massachusetts, USA

September 2005 – June 2008: BA in Mathematics, grade: 110/110 cum laude, University of Trento, Italy.

September 2002 – June 2007: Diploma in Clarinet, Conservatory of Trento, grade: 9.75/10.

Honors and Awards

March 2015 – February 2017: Postdoctoral Fellowship from the Simons Center for the Social Brain

May 2014: Robach Fund Grant from Harvard University

2013-2014: Dissertation Completion Fellowship of the Harvard Graduate School of Arts and Sciences (GSAS).

January 2013: Harvard Mind, Brain and Behavior Graduate Student Award.

May 2012: Concepts Actions and Objects (CAOs) conference Travel Award.

2011-2012: Scholarship for Advanced Studies of the Cassa Rurale di Trento - total number of scholarships awarded in the area “Science and Technology”: 1.

Spring 2011: Certificate of Distinction or Excellence in Teaching of the Derek Bok Center at Harvard.

2005-2008: National scholarship for excellence in Mathematics of the National Institute for Advanced Mathematics of Italy (INDAM).

Research Articles

Fang, M., Poskanzer, C. & Anzellotti, S. (under review). PyMVPD: A toolbox for multivariate pattern dependence.

Schwartz, E., O’Neill, K., & Anzellotti, S. (under review). Recognition of Identity and Expressions as Integrated Processes

Kim, M. J., Mende-Siedlecki, P., Anzellotti, S., & Young, L. (2020). Theory of mind following the violation of strong and weak prior beliefs. *Cerebral Cortex*.

- Anzellotti, S., & Young, L. L. (2020). The Acquisition of Person Knowledge. *Annual Review of Psychology*, 71, 613-634.
- Anzellotti, S., Houlihan, S. D., Liburd Jr, S., & Saxe, R. (2019). Leveraging facial expressions and contextual information to investigate opaque representations of emotions. *Emotion*.
- O'Neill, K., Saxe, R. & Anzellotti, S.(2019). Recognition of identity and expressions as integrated processes.
- Li, Y., Saxe, R., & Anzellotti, S. (2018). Intersubject MVPD: Empirical Comparison of fMRI Denoising Methods for Connectivity Analysis. *bioRxiv*, 456970.
- Anzellotti, S., Fedorenko, E., Caramazza, A. & Saxe, R. (2018). Measuring and Modeling Nonlinear Interactions Between Brain Regions with fMRI.
- Anzellotti, S., Caramazza, A. & Saxe, Rebecca (2018). Multivariate Pattern Connectivity. *PLOS Computational Biology*.
- Anzellotti, S., Kliemann, D., Jacoby, N., & Saxe, R. (2017). Directed network discovery with dynamic network modelling. *Neuropsychologia*, 99, 1-11.
- Anzellotti, S., & Caramazza, A. (2017). Multimodal representations of person identity individuated with fMRI. *Cortex*, 89, 85-97.
- Kliemann, D., Jacoby, N., Anzellotti, S., & Saxe, R. R. (2016). Decoding task and stimulus representations in face-responsive cortex. *Cognitive Neuropsychology*, 1-16.
- Anzellotti, S. & Caramazza, A. (2015). From Parts to Identity: Invariance and Sensitivity of Face Representations to Different Face Halves. *Cerebral Cortex*: bhu337.
- Anzellotti, S. & Caramazza, A. (2013). Individuating the neural bases for the recognition of conspecifics with MVPA. *Neuroimage*, 89, 165-170.
- Anzellotti, S., Fairhall, S. & Caramazza, A. (2013). Decoding representations of face identity that are tolerant to rotation. *Cerebral Cortex*, bht046.
- Fairhall, S. L., Anzellotti, S., Ubaldi, S. & Caramazza, A. (2013). Person and place selective neural substrates for entity-specific semantic access. *Cerebral Cortex*, bht039.
- Fairhall, S. L., Anzellotti, S., Pajtas, P. E. & Caramazza, A. (2011). Concordance between perceptual and categorical repetition effects in the ventral visual stream. *Journal of neurophysiology* 106.1 (2011): 398-408.
- Anzellotti, S., Mahon, B.Z., Schwarzbach, J., & Caramazza A. (2011). Differential activity for animals and manipulable objects in the anterior temporal lobes. *Journal of Cognitive Neuroscience*, 23(8), 2059-2067.
- Mahon, B. Z., Anzellotti, S., Schwarzbach, J., Zampini, M., & Caramazza, A. (2009). Category-specific organization in the human brain does not require visual experience. *Neuron*, 63(3), 397-405.

Review Articles

- Anzellotti, S., and Young, L. (in press). "The Acquisition of Person Knowledge." *Annual Review of Psychology*
- Anzellotti, S., and Coutanche, M. (2018). Beyond functional connectivity: investigating networks of multivariate representations. *Trends in cognitive sciences*, 22(3), 258-269.
- Anzellotti, S. (2017). Anterior temporal lobe and the representation of knowledge about people.

Proceedings of the National Academy of Sciences, 114(16), 4042-4044.

Caramazza, A., Anzellotti, S., Strnad, L., & Lingnau, A. (2014). Embodied Cognition and Mirror Neurons: A Critical Assessment. *Annual Review of Neuroscience*, 37(1).

Anzellotti, S., & Caramazza, A. (2014). The neural mechanisms for the recognition of face identity in humans. *Frontiers in psychology*, 5.

Book Chapters

Strnad, L., Anzellotti, S., & Caramazza, A. (2010). Formal models of categorization: Insights from cognitive neuroscience. In E. M. Photos & A. J. Willis (Eds.), *Formal Approaches in Categorization*, 313-324. Cambridge, UK: Cambridge University Press.

Conference Presentations and invited talks

Invited Lecture, *Kavli Summer Institute for Neuroscience*, Santa Barbara, June 2019.

The perceptual bases for the acquisition of person knowledge. Dartmouth College, April 2018.

Nonlinear multivariate statistical dependence. Princeton University, February 2018.

Nonlinear statistical dependence outperforms linear dependence in Bayesian inferences about the neural networks underlying simulated fMRI data. *Cognitive Computational Neuroscience*, New York, NY, September 2017

Studying the transformation of information between brain regions in ASD participants and controls. Invited talk for the Simons Foundation, Cambridge, MA, May 2017

Towards modeling neural information flow. Invited talk at Boston College, Boston, MA, May 2017.

Multivariate pattern connectivity. *Annual Meeting of the Society for Neuroscience*. San Diego, CA, November 2016.

Investigating the neural bases of cognitive processes with fMRI. Invited talk at Harvard University, Cambridge, MA, October 2016.

Individual face representations in humans: state of the evidence and future directions. Invited talk at the University of Cambridge, Cambridge, UK, October 2015.

Modelling information flow in large scale brain networks. Invited talk at the University of Cambridge, Cambridge, UK, October 2015.

Connectivity between brain regions encoding emotional valence and the face network. *Annual Meeting of the Organization for Human Brain Mapping*. Honolulu, HI, June 2015.

Large Scale Neural Interactions During Facial Expressions Recognition. Invited talk for the Simons Foundation, Cambridge, MA, April 2015

Representations of individual faces in the right anterior temporal lobe are invariant across different partial views of faces. *Annual Meeting of the Vision Sciences Society*. St. Pete Beach, FL, May 2014.

Invariant representations of face identity in the ATL. Invited talk at the symposium “Beyond the FFA: The role of the ventral anterior temporal lobe in face processing”, *Annual Meeting of the Vision Sciences Society*. St. Pete Beach, FL, May 2014.

Selective effects for faces of conspecifics revealed with fMRI. *Concepts Actions and Objects*. Trento, Italy, May 2013.

Decoding representations of face identity that are tolerant to rotation. *Concepts Actions and Objects*. Trento, Italy, May 2012.

Decoding orientation-invariant information about individual faces in the ventral stream. *Annual Meeting of the Vision Sciences Society*. Naples, FL, May 2012.

Professional Experience

Reviewer for Nature Neuroscience, PNAS, Behavioral and Brain Sciences, Journal of Neuroscience, Neuroimage, Cerebral Cortex, PLOS Computational Biology.

Fall 2018: Professor for the graduate seminar “Advanced Topics in Social Neuroscience”, Boston College.

Fall 2012: Teaching Fellow for the course SLS20 – Psychological Science at Harvard University, professor Daniel Gilbert.

Fall 2011: Teaching Fellow for the course SLS20 – Psychological Science at Harvard University, professor Daniel Gilbert.

Spring 2011: Teaching Fellow for the course SLS20 – Psychological Science at Harvard University, professor Steven Pinker.

Fall 2010: Teaching Fellow for the course PSY1901 – Behavioral Methods at Harvard University, professor Alfonso Caramazza.

Summer 2010: Teaching Fellow for the Harvard Summer School in Neuroscience in Trento, Italy. Professors: Alfonso Caramazza, Rick Born, Albert Galaburda, Margaret Livingstone, Bevil Conway.

Spring 2010: Reviewer for the conference Human Language Technologies of the North American Association for Computational Linguistics.

Current research support

July 2018 - July 2020: Startup grant from Boston College

June 2019 – June 2021: Pilot grant from the Simons Foundation Autism Research Initiative

July 2020-July 2025: NSF CAREER award #1943862 “Computational and Neural Basis of Social Perception”