

Alejandro de la Vega

Curriculum Vitae

University of Texas Austin
Department of Psychology
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Education & Training

2016 – Postdoctoral Fellow, Department of Psychology, University of Texas at Austin
2016 Ph.D., Cognitive Neuroscience, University of Colorado Boulder
2012 M.A., Cognitive Psychology, University of Colorado Boulder
2009 B.A., Linguistics and Cognitive Science, Pomona College

Publications

Dixon, M.L., **De la Vega, A.**, Mills, C., Andrews-Hanna, J., Spreng, R.N., Cole, M.W., & Christoff, K. (2018). Heterogeneity within the frontoparietal control network and its relationship to the default and dorsal attention networks. *Proceedings of the National Academy of Sciences*.

De la Vega, A., Tarkoni, T., Wager, T.D., & Banich, M.T. (2017). Large-scale meta-analysis suggests low regional modularity in lateral frontal cortex. *Cerebral Cortex*.

McNamara, Q., **De la Vega, A.**, & Yarkoni, T. (2017). Developing a comprehensive framework for multimodal feature extraction. *Proceedings of the 22nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*.

De la Vega, A. & Yarkoni, T. (2016). Response to Moreira et al. *Journal Club*. *Journal of Neuroscience*.

De la Vega, A., Chang, L.J., Banich, M.T., Wager, T.D., & Yarkoni, T. (2016). Large-scale meta-analysis of human medial frontal cortex reveals tripartite functional organization. *Journal of Neuroscience*. 36(24):6553-6562.

De la Vega, A., Brown, M.S., Snyder, H.R., Singel, D., Munakata, Y., Banich, M.T. (2014). Individual Differences in the Balance of GABA to Glutamate in pFC Predict the Ability to Select among Competing Options. *Journal of Cognitive Neuroscience*. Vol. 26, No. 11, Pages 2490-2502.

Michaelson*, L., **De la Vega***, A., Chatham, C.H., & Munakata, Y. (2013). Delaying gratification depends on social trust. *Frontiers in Psychology*. Vol 4(00355).

** denotes equal contribution*

Banich, M.T., **De la Vega, A.**, Andrews-Hanna, J.R., Mackiewicz-Seghete, K., Du., Y., & Claus E.D. (2013). Developmental trends and individual differences in brain systems involved in intertemporal choice during adolescence. *Journal of Addictive Behaviors*. Vol 27(2), Jun 2013, 416-430.

Awards & Honors

2018 Winner, Open Science Naturalistic Viewing Competition, OHBM.
2017 Fellow, Neurohackweek
2012 Fellow, Summer Institute in Cognitive Neuroscience
2011 Ford Foundation Fellowship, Honorable Mention (Alternate)

2010 National Science Foundation, Predoctoral Fellowship, Honorable Mention
2010 fMRI Training Course fellowship, University of Michigan-Ann Arbor, Summer

Presentations

Invited talks

De la Vega, A., McNamara, Q., Hanke, M., & Yarkoni, T. (2018). An turnkey solution for rapid and flexible (re)analysis of naturalistic fMRI data. Movies in the Magnet Symposium. Organization for Human Brain Mapping. Singapore, Singapore.

De la Vega, A., McNamara, Q., Hanke, M., & Yarkoni, T. (2017). A cloud-based platform for flexible re-analysis of naturalistic fMRI datasets. International Neuroinformatics Coordinating Facility Congress. Kuala Lumpur, Malaysia.

Posters

De la Vega, A., McNamara, Q., Hanke, M., & Yarkoni, T. (2018). A cloud-based platform for flexible re-analysis of naturalistic fMRI datasets. International Neuroinformatics Coordinating Facility Congress. Montreal, Canada.

De la Vega, A., McNamara, Q., Hanke, M., & Yarkoni, T. (2018). A cloud-based platform for flexible re-analysis of naturalistic fMRI datasets. Organization for Human Brain Mapping. Singapore, Singapore.

Yarkoni, T., **De la Vega, A.,** et al., (2018). Pybids: Python tools for manipulation and analysis of BIDS datasets. Organization for Human Brain Mapping. Singapore, Singapore.

De la Vega, A., McNamara, Q., Hanke, M., & Yarkoni, T. (2017). A cloud-based platform for flexible re-analysis of naturalistic fMRI datasets. Organization for Human Brain Mapping. Vancouver, BC, Canada.

De la Vega, A., Chang, L.J., Banich, M.T., Wager, T.D., & Yarkoni, T. (2015). Classification based functional specialization of medial frontal cortex. Organization for Human Brain Mapping. Honolulu, Hawaii, USA

De la Vega, A., Banich, M.T., Yarkoni, T. (2014). Characterizing functional specialization in the brain using large-scale classification of fMRI data. Organization for Human Brain Mapping. Hamburg, Germany.

Yarkoni, T., Chang, L., Fox, A., **De la Vega, A.,** (2014). Extensions to the Neurosynth framework for automated synthesis of fMRI data. Organization for Human Brain Mapping. Hamburg, Germany.

De la Vega, A., Brown, M.S., Snyder, H.R., Singel, D., Munakata, Y., Banich, M.T. (2014). Individual Differences in the Balance of GABA to Glutamate in pFC Predict the Ability to Select among Competing Options. Cognitive Neuroscience Society, Boston, MA

Yarkoni, T., Chang, L., **De la Vega, A.** (2014) Enhancements to the Neurosynth framework for automated synthesis of fMRI data. Cognitive Neuroscience Society, Boston, MA

De la Vega, A., Chatham, C., Herzmann, G., Michaelson, L., & Munakata, Y. (2013). Poster presented at Oxytocin increases ability to delay gratification. Social Affective Neuroscience Society, San Francisco, CA

Michaelson,* L., **De la Vega*, A.**, Chatham, C., & Munakata, Y. (2013). Delaying gratification depends on social trust. Social Affective Neuroscience Society, San Francisco, CA

De la Vega, A., Andrews-Hanna, J.R., & Banich, M.T. (2012). The influence of episodic thought on intertemporal choice. Cognitive Neuroscience Society, Chicago, IL

De la Vega, A.I., & Banich, M.T. (2010). Repetition priming of faces depends on attentional load and emotional valence at encoding. Psychonomic Society, St. Louis, MO

Ad-hoc Peer Review

GigaScience (x3), Neuroimage (x3), Cerebral Cortex, Scientific Reports, Annual Conference on Cognitive Computational Neuroscience (x2), Organization for Human Brain Mapping, Proceedings of the Python in Science Conferences.

Teaching

- Computer Laboratory for Instruction in Psychological Research (CLIPR) TA, 2013-2016
 - Developed and taught three part series, *R for Psychologists* every semester.
- Teaching Assistant, Cognitive Neuroscience, Fall 2012
- Teaching, Assistant, General Statistics, Spring 2013