Peer Interaction and Scientific Reasoning Processes in Preschoolers
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About the Author

Marlenny Guevara Guerrero studied psychology and a Master in Cognitive Psychology at the Universidad del Valle. She graduated as a psychologist in 2004. During her bachelor studies, she participated as a student research assistant of the ‘Psychology Research Center on Cognition and Culture’ taking part in two research groups: Mathematics and Cognition and Cognition and Representational Development.

In 2007 she graduated with honors from a research Master in Psychology with specialization in cognition. Her master thesis was a microgenetic study about cognitive planning with 3-4 year olds, using a computer game. Dr. Marijn van Dijk participated as an international evaluator of her master thesis. During her master studies, she became teacher assistant of the bachelor program and research assistant on the group “Cognition and Representational Development”. As a member of the research center she also worked as a coach for preschool teachers, improving their own learning practices. In 2008, after her master studies, she worked three and a half years in the Universidad Tecnológica de Bolivar as a full-time lecturer and researcher of their psychology Department. With regard to research during this time, she created and coordinate a training program to develop the research skills of Bachelor students of psychology. In addition, she was director of the research group of the psychology program (2010-2011) until moving abroad for her doctoral studies.

In 2010, following her interest in studying development and cognitive processes in young children, Marlenny won a Colombian Fellowship –“Beca Francisco José de Caldas” from COLCIENCIAS – to pursue her doctoral studies abroad. She started her PhD in 2012 at the Developmental Psychology Department of the University of Groningen. In her PhD project she carried out a longitudinal studied about the scientific reasoning skills and dyadic interaction of 5-year olds in the context of problem-solving. She supervised master students in the psychology program during her PhD year and kept the collaboration with their colleagues in Colombia.
Scholarship

December 2010, Colombian Government Grant for Doctoral Studies, Colombian Institute for the Development of Science and Technology "Francisco José de Caldas" - Ref. 512. The scholarship included three months of an English course in Massachusetts, and four years funding to study a Doctoral Program abroad.

Publications


About the Author

Articles Submitted / in Preparation


Conferences


2015 **Video Conferencia** (May 4th). Los diseños metodológicos y el seguimiento de desempeños cognitivos. Dirigido a estudiantes de Pregrado en Psicología. *Universidad Tecnológica De Bolívar*. Cartagena, Colombia

2015 **Video Conferencia** (Mar 20th). Cómo Construir un problema de investigación. *Universidad Tecnológica De Bolívar*. Cartagena, Colombia


2014 **Video Conferencia** (Sept 8th). *Estudio del desarrollo desde la perspectiva de la variabilidad*. Dirigido a estudiantes de Pregrado en Psicología. *Universidad Autónoma Del Caribe*. Barranquilla, Colombia
2014 **Presentación de Artículo** (May 20\(^{16}\)). How dyads interact during a problem solving task. Presented at *Biennial Conference Of The VNOP*, symposium “Learning and exploration of science and technology in and through interaction in non-formal learning”. Wageningen, The Netherlands


2014 **Presentación de Artículo** (May 29\(^{th}\)-31\(^{st}\)). *Building knowledge together: How communication and interaction in dyads supports scientific reasoning skills*. Presented at the symposium "peer interaction and Development". *44th Annual Meeting Of Jean Piaget Society*, San Francisco, CA

2014 **Presentación Oral** (Ene 16\(^{th}\)). *Sistemas dinámicos y su implementación en el estudio del desarrollo*. Dirigido a Docentes y Estudiantes de Pregrado Psicología. Universidad ICESI. Cali, Colombia

2013 **Presentación de Poster** (Sept 3\(^{rd}\)-7\(^{th}\)). *Multiple case study comparing micro trajectories of peer interaction during a problem-solving*. *16th European Conference On Developmental Psicología* (ECDP). Laussane, Switzerland

2013 **Presentación de Poster** (Ago 25\(^{th}\)-30\(^{th}\)). *The dynamics of peer interaction and scientific reasoning in young children. Preconference JURE - European Association For Research On Learning And Instruction" (EARLI)*. Technische Universität München (TUM). Munich, Germany