

**FRANCYS SUBIAUL, Ph.D.**

Assistant Professor

Mind, Brain & Evolution Cluster, Mind-Brain Institute

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**EDUCATION**

2004	PHD	Anthropology, Columbia University
2002	MPHIL	Anthropology, Columbia University
2001	MA	Anthropology, Columbia University
1999	BA	Psychology & Anthropology, Boston University

**ADVISORS**

Undergraduate	Terrence W. Deacon, University of California, Berkeley
Undergraduate	Catherine L. Harris, Boston University
Graduate	Ralph L. Holloway, Columbia University (Anthropology)
Graduate	Herbert S. Terrace, Columbia University (Psychology)
Post-Doctoral	Daniel J. Povinelli, University of Louisiana

**EMPLOYMENT**

2006-Present	The George Washington University, Asst. Professor
2004-2006	University of Louisiana, Post-Doctoral Fellow
2003-2004	University of Miami School of Medicine, Research Associate
2002-2003	Queens College, Adjunct Professor
1999-2002	Columbia University, Teaching Assistant, Doctoral Student

**AFFILIATIONS**

2008-Present	National Zoological Gardens, Research Associate
2007-Present	Children's National Medical Center, Center for Autism Spectrum Disorders, PI

**INTERESTS**

Imitation, Social Cognition, Cognitive Development, Human Uniqueness, Cognitive and Brain Evolution, Evolutionary Theory, Autism, Children, Non-Human Primates

## GRANTS & AWARDS

Subiaul F (2009-11). National Science Foundation. EAGER Grant: Assessing Learning in Pre-Verbal Populations Using 'Gaze Click' Technology (BCS-0946376) [\$199,873].

Subiaul F (2008-2013). National Science Foundation. CAREER: The Evolution of Cultural Learning (BCS-0748717). [\$440,861].

Subiaul F (2008). National Institutes of Health. Loan Repayment Program: Identifying Imitation Learning Deficits in Children with Autism (FWFR1158). [\$30,649].

Zawidzki T, Subiaul F, Sherwood C (2008-2011). The George Washington University, Research Enhancement Fund. Mind, Brain & Evolution Center. [\$103,500]

Subiaul F (2007). The George Washington University, University Facilitating Funds. Do children with autism offer explanations for social dilemmas? [\$7,700]

Terrace HS, Metcalfe J, Subiaul F (2005-08). J. S. McDonnell Foundation. The Evolution of Metacognition. (\$449,080). [Subcontract PI: Subiaul (\$241,347)]

Subiaul F (2002-03). Herbert & Sheri Lurie Foundation. Cognitive Imitation in Autistic Individuals. (\$5,033)

Subiaul F (2001). Scheps Foundation Summer Research Fellowship. Pilot Studies on Cognitive Imitation in Monkeys. (\$2,500).

## PUBLICATIONS

Vonk J & Subiaul F (2009). Do chimpanzees know what other can and cannot do? *Animal Cognition*, 12(2): 267-86 [E-Pub Sept. 3, 2008]

Subiaul F (In Press). Mosaic Cognitive Evolution: The case of Imitation Learning. *The Human Brain Evolving: Papers in Honor of Ralph L. Holloway* (M. Yuan & D. Broadfield, Eds). Indianapolis: Stone Age Institute Press.

Subiaul F, Vonk J, Barth J, Okamoto-Barth S (2008). Chimpanzees Learn the Reputation of Strangers by Observation. *Animal Cognition*, 11(4): 611-23 [Epub Mar. 21, 2008].

Sherwood, C., Subiaul, F., & Zawidzski, T. (2008). A Natural History of the Human Mind. *Journal of Anatomy*, 212(4): 426-54.

Subiaul F (2007). The Imitation Faculty in Monkeys: Evaluating its features, distribution and evolution. *Journal of Anthropological Sciences*, 85: 35-62.

Subiaul F, Cantlon J, Romansky K, Klein T, Terrace HS (2007). Cognitive Imitation in 2-Year Old Human Toddlers: A comparison with rhesus monkeys. *Animal Cognition*. 10(4): 369-75 [Epub Feb 8, 2007].

Subiaul F, Lurie H, Klein T, Holmes D, Terrace HS (2007). Cognitive Imitation in Typically-Developing 3- and 4-year Old and Individuals with Autism. *Cognitive Development*, 22: 230-43.

Subiaul F, Okamoto-Barth S, Barth J, & Povinelli DJ (2007). Human Cognitive Specializations. In Todd M. Preuss & Jon H. Kaas (Eds.) *Evolution of Nervous Systems: Volume V; The Evolution of Primate Nervous Systems*. Elsevier: New York.

Subiaul F, Cantlon, JF, Holloway, Terrace HS (2004). Cognitive Imitation in Rhesus Macaques. *Science*, 305(5682), 407-10.

Fernandez I, Varga L, Perrion J, Collazo J, Subiaul F, Rehbein P, Torres J (2004). The Internet as Recruitment Tool for HIV Studies: Viable strategy for reaching at-risk Hispanic MSM in Miami? *AIDS Care*, 16(8): 953-63.

Subiaul F (2004). *Cognitive Imitation in Monkeys and Children*. Unpublished Dissertation, Columbia University in the City of New York.

## **PUBLICATIONS IN REVIEW or UNDER REVISION**

Subiaul F., Anderson S., Brandt J., Elkins, J. (In Review). Multiple Imitation Mechanisms in Children.

Subiaul F (Under Revision). Dissecting the Imitation Faculty: The Multiple Imitation Mechanisms Hypothesis. *Behavioral Processes*. Invited Review.

Subiaul F, Vonk J, Rutherford, MD (Under Revision). The Ghost in the Computer: Agency-Attribution Mediates Cognitive Imitation in a Ghost Control. *Journal of Experimental Child Psychology*.

Subiaul F, Vonk J, Okamoto-Barth S, and Barth J (Under Revision). Thirty to thirty-five month olds learn from others' mistakes in a cognitive imitation paradigm. *Journal of Experimental Child Psychology*.

Subiaul F (Under Revision). National Institutes of Health. R01, Parent Grant: Dissecting the Imitation Faculty in Pre- and Non-Verbal Populations.

## WORKS IN PREPARATION

Subiaul F., Dindo M., Cherwood, C. & Zawidzski T. (In Prep). On the evolution of imitation learning. *Behavioral & Brain Sciences*.

Dindo M., Subiaul F., deWaal F., Whiten A. (In Prep). Learning conventions from observation: Evidence from gorillas (*Gorilla gorilla*) and orangutans (*Pongo pygmaeus*).

## INVITED TALKS

Subiaul, F (2010). Reputation Judgments in Chimpanzees. Kyoto, Japan: *International Primatological Association*. Invited Discussant.

Subiaul, F (2009). Defining the Architecture of the Imitation Faculty: The Multiple Imitation Mechanisms Hypothesis. University of Massachusetts, Amherst: Neuroscience Seminar, Invited Speaker.

Subiaul, F (2009). Dissociating Motor-Spatial and Cognitive Imitation: Evidence of Domain-Specific Individual, Observational and Imitation Learning Mechanisms in Human Children and Non-Human Primates. Fairfax, VA: *Monday Seminars*. Krasnow Institute, George Mason University.

Subiaul, F (2009). Cognitive Imitation: Papers in Honor of Herbert S. Terrace. Melbourne Beach, FL: *Comparative Cognition Conference*:

Subiaul, F (2008). The Imitation Faculty in Children and Primates. Washington, DC: Intellectual and Developmental Disabilities Research Center (IDDRC). National Medical Center.

Subiaul, F (2007). Dissecting the Imitation Faculty: Evidence from Monkeys, Apes and Children. Poolesville, Maryland: Laboratory of Comparative Ethology, National Institutes of Health (NICHD).

Subiaul, F (2007). Dissecting the Imitation Faculty: Evidence from Monkeys, Apes and Children. Charlottesville, VA: Department of Psychology, University of Virginia.

Subiaul F (2007). Mosaic Cognitive Evolution: The case of Imitation. Papers in Honor of Ralph L. Holloway, JR. Bloomington, ID: Stone Age Institute and the Indiana University.

Subiaul, F (2007). Dissociating Cognitive from Motor Imitation: Evidence from Monkeys and Children. Washington D.C.: Georgetown University, Department of Psychology.

Subiaul, F (2007). *The Many Faces of Imitation*. Washington D.C.: George Washington University, Department of Psychology.

Subiaul F (2006). *Learning Novel Rules from Others: Evidence from Children, Monkeys, and Chimpanzees*. Washington D.C.: George Washington University, Department of Anthropology.

Subiaul F (2005). *The Many Faces of Imitation*. San Diego, CA: *Cognitive Development Society*.

Subiaul F (2004). *Motor & Cognitive Imitation: Facts, speculations and future directions*. St. Andrews, UK: Animal Social Learning Conference.

Subiaul F (2004). *The Dynamics of Imitation Learning*. Cambridge, MA: Harvard University, Department of Psychology.

Subiaul F (2004). *Cognitive Imitation & Cultural Evolution*. Boca Raton, FL: Florida Atlantic University, Department of Anthropology.

Subiaul F (2002). *Cognitive Imitation in Monkeys & Children*. NY, NY: Columbia University, Department of Psychology.

## **CONFERENCE PRESENTATIONS**

Subiaul, F., Anderson, S. & Brandt, J. (2009). *Dissociable Imitation Learning Skills in 3- and 4-Year Olds*. Denver, CO: Society for Research on Child Development (SRCD).  
Poster

Subiaul, F (2009). *Isolating Imitation-Specific Learning Deficits in Children with Autism*. Denver, CO: Society for Research on Child Development (SRCD). Poster

Subiaul, F (2008). *Isolating Cognitive from Motor Imitation: Evidence from Monkeys and Children*. Vancouver, Canada: International Conferences on Infant Studies (ICIS).  
Poster Presentation.

Subiaul F, Vonk J, Okamoto-Barth S, Barth J (2008). *Do Chimpanzees Infer Reputation by Observation?* Melbourne Beach: Comparative Cognition Society (CO3). Poster Presentation.

Subiaul F, Vonk J, Okamoto-Barth S, Barth J (2007). *Do Chimpanzees Infer Reputation by Observation?* Chicago: The Mind of the Chimpanzee Conference. Poster Presentation.

Vonk F & Subiaul S (2006). *Do Chimpanzee Know What Others Can Do?* Boston:

Society for Research on Child Development Conference. Poster Presentation.

Subiaul F & Vonk J (2006). The Ghost in the Computer: Agency Attribution Mediate Cognitive Imitation in a Ghost Control. Boston: Society for Research on Child Development Conference. Poster Presentation.

Subiaul F, Vonk J & Okamoto-Barth S (2006). Older 2-year olds (30-36 month olds) learn from other's mistakes in a cognitive imitation paradigm. Boston: Society for Research on Child Development Conference. Poster Presentation.

Subiaul F & Vonk J (2005). The Role of Agency Attribution in Cognitive Imitation. San Diego: Cognitive Development Society. Poster Presentation.

Subiaul F & Terrace HS (2005). Is Learning by Observation as Robust as Learning by Trial and Error? Melbourne Beach Florida: Comparative Cognition Society. Podium Presentation.

Subiaul F, Cantlon J, Terrace HS, Holloway RL (2003). Cognitive Imitation in Rhesus Monkeys. Melbourne Beach Florida: Comparative Cognition Society. Podium Presentation.

Subiaul F, Lurie H, Romansky K, Holmes D, Klein T, Holloway RL, Terrace HS (2002). Imitation, Autism, and Theory of Mind. Boston: Cognitive Science Society. Poster Presentation.

Subiaul F, Cantlon J, Romansky K, Klein T, Holloway RL, Terrace HS (2003). A Re-Evaluation of Human Imitation: No statistical difference between monkeys and 2- and 3-year olds in a cognitive imitation task. New York: Society of Cognitive Neuroscience Conference. Poster Presentation.

Subiaul F, Cantlon J, Holloway RL, Terrace HS (2002). Monkey See, Monkey Learn: Macaques learn 3-Item list of arbitrary pictures from an experienced model. American Journal of Physical Anthropology. Suppl. 32.

Subiaul F, Cantlon J, Holloway RL, Terrace HS (2002). Learning by Watching: Macaques learn a 3 and 4-item list from an expert model. San Francisco: Society of Cognitive Neuroscience Conference. Podium Presentation.

Sherwood C, Yuan M, Subiaul F, Holloway RL (2002). The Saggittal Suture and Bilateral Symmetry: Implications for Australopith endocast reconstruction. American Journal of Physical Anthropology, Suppl. 30: 279.

Subiaul F, Deacon TW, Harris C (1998). The Cerebellum and the Automatization of Language. Boston: Cognitive Neuroscience Research Forum. Poster Presentation.

## **TEACHING**

- 2009-Pres. Asst. Professor, Mind, Brain & Evolution I & II (SPHR 721), GWU
- 2009-Pres. Asst. Professor, Autism (SPHR 801.11), GWU
- 2008-Pres. Asst. Professor, Foundations of Human Communication (SPHR 71), GWU
- 2006-Pres. Asst. Professor, Autism (SPHR 291), GWU
- 2006-Pres. Asst. Professor, Evolution of the Human Mind (SPHR 801.10), GWU
- 2006-2007. Asst. Professor, Adv. Topics in Pediatrics (SPHR 291), GWU
- 2002-2003 Adjunct Lecturer, Introduction to Human Evolution, Queens College
- 2003 Guest Lecturer, Primate Behavior & Ecology, CU
- 2002 Guest Lecturer, Dynamics of Human Evolution, CU
- 2002 Guest Lecturer, Fossil Evidence of Human Evolution, CU
- 2002 Teaching Fellow, The Human Species, CU
- 2002 Teaching Assistant, Dynamics of Human Evolution, CU
- 2001 Teaching Assistant, Human Skeletal Biology, CU
- 2001 Guest Lecturer, The Human Species, CU
- 2001 Teaching Assistant, Primate Behavior & Ecology, CU
- 2001 Teaching Assistant, The Human Species, CU

## **HONORS**

- 1999-2004 Presidential Fellowship, Columbia University
- 2002 Guest Speaker: Graduate Students Present, Cognitive Neuroscience Society Conference: San Francisco
- 1995-1999 Dean's List, Boston University
- 1996-1999 Honor's Program, Boston University

## **REVIEWER**

National Institutes of Health, Behavioral Processes, Psychonomic Bulletin & Review, Animal Cognition, Journal of Experimental Child Psychology

## **PROFESSIONAL AFFILIATIONS**

Association for Psychological Science (APS), Society for Research on Child Development (SRCD), Comparative Cognition Society (CO3), International Society for Infant Studies (ISIS)