

BIOGRAPHICAL SKETCH

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NAME Morgan, Victoria L.	POSITION TITLE Assistant Professor
eRA COMMONS USER NAME	

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Wright State University, Dayton, OH	BS	1990	Biomedical Engineering
Vanderbilt University, Nashville, TN	MS	1994	Biomedical Engineering
Vanderbilt University, Nashville, TN	PhD	1996	Biomedical Engineering

A. Positions and Honors**Positions and Employment**

1990-1992	Test Engineer, Impact Test Facility, Inland Fisher Guide Division, General Motors Corporation, Dayton, OH
1994-1995	FDA Study Coordinator, Department of Radiology and Radiological Sciences, Vanderbilt University, Nashville, TN
1995-1996	Cardiac Image Analyst, Department of Radiology and Radiological Sciences, Vanderbilt University, Nashville, TN
1997	Consultant, Center for Cardiovascular Magnetic Resonance, Barnes-Jewish Hospital at Washington University Medical Center, St. Louis, MO.
1997-1999	Senior Research Assistant, Department of Radiology and Radiological Sciences, Vanderbilt University, Nashville, TN
1999-2000	Instructor, Department of Radiology and Radiological Sciences, Vanderbilt University, Nashville, TN
2000-pres	Assistant Professor, Department of Radiology and Radiological Sciences, Vanderbilt University, Nashville, TN

Honors and Awards

International Society of Magnetic Resonance in Medicine, member

Radiological Society of North America, member

International Society of Magnetic Resonance in Medicine, abstract reviewer, 1999-present

Journal of Magnetic Resonance Imaging, manuscript reviewer

IEE Transactions in Medical Imaging, manuscript reviewer

American Heart Association, study group reviewer, 2001

Morgan VL, Roselli RJ, Lorenz CH. Normal Three Dimensional Pulmonary Artery Flow Determined By Phase Contrast MRI. *Annals of Biomedical Engineering*, 1998;(26):557-566.

Morgan VL, Graham TP, Roselli RJ, Lorenz CH. Alterations in Pulmonary Artery Flow Patterns and Shear Stress in Fontan Patients Determined With Three Dimensional Phase Contrast MRI. *The Journal of Thoracic and Cardiovascular Surgery*, 1998;116:294-304.

Lorenz CH, Walker ES, Morgan VL, Klein SS, Graham TP. Quantification of Normal Human Right and Left Ventricular Mass, Systolic Function, and Gender Differences by Cine Magnetic Resonance Imaging. *Journal for Cardiovascular MR*, 1999;(1)1:7-21.

Mertz H, Morgan V, Tanner G, Pickens D, Price R, Shyr Y, Kessler R. Regional Cerebral Blood Flow in IBS and Controls with Painful and Non-Painful Rectal Distention. *Gastroenterology*, 2000;118:842-848

Grossman ED, Donnelly M, Price R, Morgan V, Pickens D, Neighbor G, Blake R. Brain areas involved in perception of biological motion. *Journal of Cognitive Neuroscience*, 2000;12: 711-720.

Skerl D., Pan S., Li R., Fitzpatrick JM., Parks M., Martin PR., Morgan VL. and, Dawant BM., " Correction of Geometric Distortions in EP Images Using Non-rigid Registration to Corresponding Anatomic Images", *Proc. SPIE Vol. 4322*, p. 58-68, *Medical Imaging 2001: Image Processing*, Milan Sonka; Kenneth M. Hanson; Eds.

Morgan VL, Pickens DR, Hartmann SL, Price RR. Comparison of Functional MRI Realignment Tools Using a Computer Generated Phantom. *Magnetic Resonance in Medicine*, 2001;.46(3):510-514.

Melzer P, Morgan V, Pickens D, Price R, Wall R, Ebner F. Cortical Braille Activation Differs With Visual Experience in the Early Visually Disabled: A Correlational fMRI Study. *Human Brain Mapping*, 2001;14(3):186-195.

Sachdev RNS, Champney GC, Lee H, Price RR, Pickens III DR, Morgan VL, Stefansic JD, Melzer P, Ebner FF. Experimental Model for Functional Magnetic Resonance Imaging of Somatic Sensory Cortex in the Unanesthetized Rat. *NeuroImage*, 2003;19(3):742-750.

Parks MH, Morgan VL, Pickens DR, Price RR, Dietrich MS, Nickel MK, and Martin PR. Brain fMRI activation associated with self-paced finger-tapping in chronic alcohol dependent patients. *Alcoholism: Clinical and Experimental Research*. 2003;27(4):704-711.

Morgan VL and Price RR. MRI Functional Connectivity to Distinguish Primary and Secondary Pathways. . *Ninth Scientific Meeting of the International Society for Magnetic Resonance in Medicine*, 2001:1166.

Morgan VL and Price RR. Dependence of Functional Connectivity on Functional State of the Brain. *Ninth Scientific Meeting of the International Society for Magnetic Resonance in Medicine*, 2001:1194.

Mertz HR, Pickens D, Fass R, Morgan VL. Stress Increases Sensitivity to Rectal Distention in IBS but not Controls subjects, associated with greater limbic system activation. *America Gastroenterology Association* 2002.

Morgan VL, Abou-Khalil B, Modur P, Wushensky C, Price RR. MRI Functional Connectivity Mapping to Lateralize Temporal Lobe Epilepsy. *Tenth Scientific Meeting of the International Society for Magnetic Resonance in Medicine* 2002:1536.

Stefansic J, Morgan VL, Hardin D, Melzer P, Ebner F. Temporal Frequency Analysis of fMRI Time Courses of Braille Readers with Continuous Wavelet Transform. *Tenth Scientific Meeting of the International Society for Magnetic Resonance in Medicine* 2002:1434.

Mertz H, Pickens DR, Gautam S, Morgan VL. Amitriptyline reduces symptoms of IBS, intestinal pain sensitivity and brain activation during rectal pain. *Eleventh Scientific Meeting of the International Society for Magnetic Resonance in Medicine* 2003:1877.

Stefansic J, Morgan V, Sillay K, Gorelik M, Humbert G, Thompson R. Integration of functional MRI into a commercial image-guided surgical system. *Eleventh Scientific Meeting of the International Society for Magnetic Resonance in Medicine* 2003:1930.

Morgan V, Price R., Arain A., Abou-Khalil, B. Magnetic resonance imaging functional connectivity mapping in the localization of the epileptogenic zone. *Epilepsia*, 2003;44(8):40.

Morgan VL, Price RR, Arain A, Modur P, Abou-Khalil B (In press). Resting functional MRI with temporal clustering analysis for localization of epileptic activity without EEG. *NeuroImage*.

C. Research Support

Ongoing Research Support

R01EB000461 Gore (PI) 07/01/02 – 03/31/07

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Integrated Functional Imaging of the Human Brain

Description?

Role: Co-investigator

R01NS046077 Pickens (PI) 12/01/02 – 11/30/05

NINDS

Computer-Generated Phantoms for fMRI Evaluation

The goal of this project is to develop a set of software phantoms for testing functional MRI software programs.

Role: Co-investigator

T32EB001628 Gore (PI) 09/30/03 – 04/30/08

NIH/NIBIB

Postdoctoral Training in Biomedical MRI and MRS

Description?

Role: PI

???????????? Morgan (PI) 07/01/04 - 09/30/05

EF

Localization of Epileptic Activity Using Resting Functional MRI

Description?

Role: PI

EEC0338092 Klein (PI)

01/01/04 - -12/31/06

NSF

VaNTH ERC Research Experiences for Teachers

Description?

Role: PI

Completed Research Support

Price (PI)

03/01/99 – 06/30/02

Vanderbilt University Infrastructure Discovery Grant

Shared Resources for fMRI/MRI Research

The major goal of this project was to provide the support for ongoing fMRI research.

Role: Co-investigator

R21 DK57047 Mertz (PI)

09/30/99 – 09/29/01

NIH/NIDDK

Regional Cerebral Activation with Visceral Pain in IBS and Controls

The goal of this project is to investigate cerebral pain response in IBS with and without pharmaceutical interaction.

Role: Co-investigator