

CURRICULUM VITAE
Mario Dzemiđić, Ph.D.

355 W. 16th Street, Suite 4600
 Department of Neurology
 Indiana University School of Medicine
 Indianapolis, IN 46202
 Phone: (317) 963-7213
 E-mail: mdzemidz@iu.edu

*Notations per IUPUI/IUSM requirements: * = In Rank*

EDUCATION:**Post-Doctoral:**

Indiana University Bloomington Physics Department, Research Associate	1995–1998
Indiana University School of Medicine Radiology and Imaging Sciences, Postdoctoral Fellow	1998–1999

Graduate:

Zagreb University, Croatia Physics Department	Teaching Assistant	1985-1987
Zagreb University, Croatia Physics	M.Sc.	1989
Zagreb University, Croatia Physics Department	Research Assistant	1989-1990
University of Houston Physics	Ph.D.	1995

Undergraduate:

Zagreb University, Croatia Major: Physics	B.Sc.	1983
--	-------	------

ACADEMIC APPOINTMENTS:

University of Houston Physics Department	Visiting Scientist	1987–1989
Indiana University School of Medicine Dept. of Radiology and Imaging Sciences Part-time Assistant Professor & Assistant Scientist/Scholar		1999–2003
Indiana University School of Medicine Dept. of Radiology and Imaging Sciences Director (Research Computing Group)		2002–2003

Cleveland Clinic Dept. of Diagnostic Radiology	Project Staff	2004–2005
Indiana University School of Medicine Dept. of Neurology		
Adjunct Assistant Professor		2006
Visiting Assistant Research Professor		2007 (Jan-Jul)
Assistant Research Professor & Assistant Scientist/Scholar		2007–present
Indiana University School of Medicine Dept. of Radiology and Imaging Sciences Center for Neuroimaging	Affiliated Faculty	2007–present

NONACADEMIC APPOINTMENTS:

MDZ Consulting	Lead Scientist	2003–2005
----------------	----------------	-----------

PROFESSIONAL ORGANIZATION MEMBERSHIPS:

Organization for Human Brain Mapping		2006–present
American Physical Society		1995–2003

PROFESSIONAL HONORS AND AWARDS:

Outstanding Graduate Research Award University of Houston Chapter of the Society of Physics Students		1994
---	--	------

TEACHING:

The majority of my teaching involves one-on-one mentoring. During my original appointment in the Department of Radiology and Imaging Sciences, I participated in team teaching of medical imaging-related graduate courses. As one of four lecturers, I gave an overview of nuclear physics pertinent to imaging modalities (PET, MRI, CT, etc.). The courses involved approximately 10 students and were audited by a similar number of students and faculty. The courses were:

EE595 special topics: Principles of Medical Imaging, Spring 2000.
BME595: Physics of Medical Imaging, Spring 2002.

In addition, I was one of several faculty involved in review sessions of Radiologic Physics for the Residents in Spring 2003.

In my current position, I am actively involved in Center for Neuroimaging Roundtable seminars and MRI journal club (Students and Faculty, Radiology and Imaging Sciences, IUSM, IU Bloomington, and Purdue University) presenting updates about MRI technique applications in neuroimaging, reviewing manuscripts, and providing feedback to student and postdoctoral presenters. Together with Dr. Yang Wang (Radiology), in 2013-2014 I organized a two-part

seminar in Goodman Hall focusing on new analytical approaches to neuroimaging data analyses. Common to all these opportunities was, the primary goal of clearly and interactively presenting neuroimaging topics that might not be wholly familiar to students and faculty from various backgrounds. The following presentations best illustrate these efforts:

“Clamped Alcohol's Effect on Cerebral Blood Flow, v2.0.” *Center for Neuroimaging Roundtable*, June 2011.

“Temporal SNR in fMRI.” Presentation and manuscripts review. Students and Faculty in *Radiology and Imaging Sciences*, IU Bloomington, and Purdue University, April 2014.

“Integrative Approaches in Neuroimaging Analysis.” Students and Faculty, *Radiology and Imaging Sciences*, IUSM, April 2014.

“Functional Connectivity – Acquisition & Preprocessing.” Students and Faculty, *Radiology and Imaging Sciences*, IUSM, November 2014.

Mentoring:

Individual	Role	Inclusive Dates
Joey A. Contreras (Medical Neurosciences)	Ph.D. Dissertation Committee member Mentoring – Ph.D. student	03/2015 – current 03/2015 – current
Evgeny J. Chumin (Medical Neurosciences)	PhD. Dissertation Committee member Mentoring – Ph.D. student	02/2017 – current 08/2014 – current
Meredith Halcomb, Ph.D.	Mentoring – Postdoctoral Fellow	09/2015 – current
William J. Eiler, Ph.D.	Mentoring – Postdoctoral Fellow	01/2011 – current
Maria Kudela (Biostatistics)	Ph.D. Dissertation Committee member Mentoring – Ph.D. student	11/2015 – 01/2017 11/2011 – 12/2016
Ryan J. McGuire (MS3)	Medical Student Research Elective	01/2017 – 02/2017
Kurt Y. Qing (MS4)	Medical Student Research Electives	01/2017 – 02/2017 06/2016 – 07/2016
Brandon Oberlin, Ph.D.	Mentoring – Research Associate Mentoring – Postdoctoral Fellow	11/2013 – 10/2015 03/2010 – 10/2013
Shalmali Dharmadhikari	Mentoring – Purdue Ph.D. student	05/2012 – 05/2015
Connor Holloway (Purdue)	Mentoring – Medical Physics M.Sc. student	05/2014 – 05/2015
Deepti Mullick (IBMG)	Mentoring – IBMG research rotation	03/2015 – 04/2015
Daniel Albrecht (Radiology)	Mentoring – Postdoctoral Fellow	03/2014 – 08/2014
(Medical Neurosciences)	Mentoring – Ph.D. student	06/2008 – 02/2014
Jessica Weafer, Ph.D.	Mentoring – Visiting Postdoctoral Fellow	01/2014 – 06/2014
Matthew Yung	Mentoring – Master's student program IUSM Cellular & Integrative Physiology	10/2013 – 06/2014
Judith Charpentier	Mentoring – Visiting M.Sc. student	01/2013 – 06/2013
Wetherill Leah	Mentoring – IUPUI Psychology Ph.D. student	09/2010 – 08/2012
Ning Cao (Purdue)	Mentoring – Medical Physics Ph.D. student	09/2009 – 06/2012
Snyder, Andrea (Purdue)	Mentoring – Purdue ECE Ph.D. student	09/2009 – 09/2010
Rupp Jason (Genetics)	Mentoring – M.D./Ph.D. student	05/2008 – 06/2010
Bo Liu (Purdue)	Mentoring – Medical Physics Ph.D. student	08/2007 – 06/2010
Melissa Walker	Mentoring – Ph.D. student IBMG Research rotation	09/2009 – 09/2010 10/2007 – 12/2007
Veronique Bragulat, Ph.D.	Mentoring – Postdoctoral Fellow	11/2005 – 11/2009
Angela Hoffa (Purdue)	Mentoring – Purdue ECE Ph.D. student	09/2007 – 05/2008
Minsong Cao (Purdue)	Mentoring – Medical Physics Ph.D. student	09/2006 – 06/2007
Shannon Risacher	Mentoring – IBMG Research rotation	10/2006 – 12/2006

RESEARCH/CREATIVE ACTIVITY:**GRANTS/FELLOWSHIPS IN RESEARCH****Active Research Grants:**

*Co-Investigator
 NIH – NIAAA R01 AA022476 50% FTE 2014-06-20 – 2019-04-30
Brain Reward Responses to Sweet Tastes in Alcoholism Risk (PI: Kareken)
 \$417,440

*Co-Investigator of BRACS-Component 2
 NIH – NIAAA P60 AA007611 30% FTE 2012-12-01 – 2017-11-30
Indiana Alcohol Research Center: Center on Genetic Determinants of Alcohol Ingestion and Responses to Alcohol (PI: Crabb)
 \$1,108,933

*Co-Investigator
 NIH – NIMH R01 MH108467 10% FTE 2016-08-01 – 2017-06-30
Statistical models for multi-modal brain imaging studies of HIV-associated cognitive decline. (PI: Harezlak)
 \$394,237

*Co-Investigator
 NIH – NIAAA R01 AA024588 0[†]% FTE 2016-09-05 – 2021-08-31
Alcohol-seeking Behaviors and Dopaminergic Function. (PI: Kareken)
 \$360,659 [†]Note: 30% FTE in later budget years.

*Consultant
 NIH – NIAAA R00 AA023296 0[†]% FTE 2017-07-01 – 2020-06-30
Neural Bases of Alcohol-related Decision-making. (PI: Oberlin)
 \$249,000 [†]Note: 10% FTE effective 2017-07-01.

Active Research Support:

*Co-Investigator
 Department of Radiology & Imaging Sciences 10% FTE 2014-01-01 – current
Center for Neuroimaging (PI: Saykin)

Completed Research Grants:

Co-Investigator
 NIH – NIDCD R01 DC04584 32% FTE 2000-07-01 – 2005-06-30
Functional Neuroimaging Studies of Speech Prosody (PI: Gandour)
 \$93,000 (over 3 years)

*Co-Investigator
 NIH – NIAAA R01 AA014605 32% FTE 2005-08-10 – 2010-06-30

fMRI of the Mesolimbic Dopamine System in Risky Drinkers (PI: Kareken)
\$285,886

*PI-subaward: 511-1784-02 (NIH pass thru)
NIH – NIBIB R01 EB003990 8% FTE 2007-01-01 – 2007-12-31
Systematic Artifact Reduction in Auditory fMRI (PI: Talavage)
\$13,198

*Co-Investigator
NIH – NIMH R01 MH075025 14% FTE 2007-03-17 – 2011-02-28
Dysfunctional Cortico-Limbic Activity and Connectivity in Bipolar Disorder and Lithium Effects: An fMRI Study (PI: Anand)
\$183,349

*Co-Investigator
Indiana Economic Development Corporation 20% FTE 2007-06-21 – 2009-08-15
Center of Excellence in Neuroimaging (PI: Saykin)
\$2,000,000

*Co-Investigator of BRACS-Component 2
NIH – NIAAA P60 AA007611 15% FTE 2007-12-01 – 2012-11-30
Indiana Alcohol Research Center: Center on Genetic Determinants of Alcohol Ingestion and Responses to Alcohol (PI: Crabb)
\$1,196,941

*Co-Investigator
NIH – NIAAA R21 AA018020 20% FTE 2008-09-30 – 2010-08-31
Neural Bases of Implicit Attention to Alcohol-Conditioned Stimuli (PI: Kareken)
\$182,875

*Co-Investigator
Eli Lilly Endowment Life Science 2004 1862-000 20% FTE 2009-08-16 – 2013-12-31
Excellence in Indiana Initiative (McRobbie)
\$26,000,000

*Co-Investigator
NIH – NIAAA R01 AA017661 25% FTE 2009-04-15 – 2016-09-30
Dopaminergic Function in Alcoholism (PI: Kareken)
\$354,815

*Co-Investigator
NIH – NIAAA R01 AA017661-01A1S1 20% FTE 2009-09-25 – 2012-08-31
Dopaminergic Function in Alcoholism - enhancing Aim 1 by adding fMRI (PI: Kareken)
\$200,000

*Co-Investigator
NIH – NIMH R01 MH075025-S1 5% FTE 2009-09-30 – 2011-08-31
Dysfunctional Cortico-Limbic Activity and Connectivity in Bipolar Disorder and Lithium Effects: An fMRI Study (PI: Anand)
\$175,000

*Co-Investigator

NIH – NIDDK R01 DK089070 20% FTE 2010-07-01 – 2016-04-30
Reward System Responses to Food Aromas: Effects of Obesity and Alcohol Intake (PI: Considine/Kareken)
\$271,587

*PI Purdue sub-contract (NIH pass thru)

NIH – NIBIB R21 EB012752 20% FTE 2012-09-01 – 2013-18-31
In Vivo Imaging and Therapeutic Targeting of Hypoxic-Niche Associated with CSCs (PI: Stantz)
\$17,098

*Co-Investigator

NIH – NIAAA R21 AA022650 8% FTE 2015-05-01 – 2016-04-30
Characterization of the Cortical Salience Network in Alcoholism (PI: Yoder)
\$109,658

*Co-PI with Harezlak

IUPUI – Imaging Technology Develop. Program 7% FTE 2015-01-05 – 2016-10-30
Novel statistical regularization methods for multiple types of brain imaging data used to quantify biomarkers of alcoholism risk
\$63,000

Pending Research Grants

*2015.11.30

NIH P60 AA007611: *Indiana Alcohol Research Center: Center on Genetic Determinants of Alcohol Ingestion and Responses to Alcohol*
PI: Crabb Role: Co-Investigator – Human component (10% FTE)

*2016.10.04

NIH 1R01AA026014-01 (MPI): *Compounded Neuronal Damage in Comorbid Cigarette Smoking and Addiction*
MPI: Yoder, Durazzo, Role: Co-Investigator (10% FTE)

Submitted But Not Funded Research Grants:

2007.07

NIH NICHD R03: *Measurement of social cognition in adolescents with traumatic brain injury.*
PI: Ciccia (Case Western University), Role: Consultant

*2007.10.04

NIH R01: *In vivo imaging of hypoxia and tumor response to anti-angiogenic therapy*
PI: Stantz (Purdue), Role: Co-Investigator

*2007.11.27

US Dept. of Defense: *Center for Traumatic Brain Injury*
PI: Saykin, Role: Co-Investigator

*2007.12.12

NIH R01 MH082710: Multi-Modal Tools for Mapping Brain Circuitry & Connectivity in Schizophrenia

MPI: Saykin, Shenton, Westin, Role: Co-Investigator

*2008.02.18

NIH R21 AT04991: *Brain Imaging Correlates of Electroacupuncture Treatment of Depression*

PI: Anand, Role: Co-Investigator

*2008.06.18

NIH R01 MH086110-01: *fMRI Predictors and Correlates of Active vs. Placebo Antidepressant Response*

PI: Anand, Role: Co-Investigator

*2008.06.20

NIH R01 MH086093: Personalized Treatment of Minor Depression in Primary Care

PI: Anand, Role: Co-Investigator

*2009.04.27

NIH R01: Challenge: *Neuroimaging of High Risk Adolescents for Bipolar Disorder*

PI: Anand, Role: Co-Investigator

*2009.05.29

NIH R01: Imaging Genomics in Adolescents at Risk for Bipolar Disorder

PI: Anand, Role: Co-Investigator

*2010.02.18

NIH R21 MH085626: *The Role of Orexin in Panic Anxiety*

PI: Goddard, Role: Co-Investigator

*2010.06.07

NIH R01: *Differentiating Unipolar and Bipolar Depression in Young Adults Using fMRI*

PI: Anand, Role: Co-Investigator

*2010.09.20

NIH R01 MH093553: *Effect of Family History of Panic on Cortical GABA Levels in Panic Disorder*

PI: Goddard, Role: Co-Investigator

*2010.10.20

NIH R21 DE022165: *Functional connectivity and metabolite changes in myofascial TMD pain and anxiety*

PI: Byrd K., Role: Co-Investigator

*2011.12.

US Dept. of Veterans Affairs I01 RX001028: Metabolite levels in traumatic brain injury (TBI) patients with PTSD and bruxism

PI: Byrd K., Role: Co-Investigator

*2013.07.31

NIH SBIR: *Remote Alcohol Breath Alcohol Analyzer (Original submission 2012.03.26)*
Physical Optics Corporation sub-contract, Role: Co-Investigator

*2014.09.25

Individual Differences in human oral fat detection.
PI: Mattes (Purdue University). Role: Co-Investigator

*2015.06.26

2R01DK089070-06: *Reward System Responses to Food Aromas: Effects of Obesity and Alcohol Intake*
MPI: Considine, Kareken, Role: Co-Investigator

*2015.06.30

R01AA024121: *Corticolimbic Brain Responses to Alcohol and Behavioral Risk-taking across Men and Women (R1, originally submitted 2014.10.03)*
PI: Cyders. Role: Co-Investigator

*2016.02.04

R01AA025332: *Gender Specific Corticolimbic Brain Responses and Cue Salience to Alcohol Cues and Consumption*
PI: Cyders, Role: Co-Investigator

*2016.03.25

1R01DA043242-01: *In Vivo Properties of Cortical and Subcortical Reward Circuits in Cigarette Smoking Populations*
PI: Yoder, Role: Co-Investigator

*2016.04.15

1R01AA025542-01: *Effects of Acute Low-dose Alcohol on in Vivo Human Neurophysiology*
PI: Yoder, Role: Co-Investigator

*2016.05.26

1R01AA025628-01: *Neural Circuitry Underlying Negative Urgency's Effect on Alcohol Use Disorder Risk*
PI: Cyders, Role: Co-Investigator

*2016.06

American Diabetes Association: *Effect of Bariatric Surgery on the Central Neural Response to Sweet Taste*
PI: Considine. Role: Co-Investigator

*2016.06.06

NIH R01 DK113275-01: *Food seeking behavior and human dopamine function*
PI: Kareken Role: Co-Investigator

Invited Research Presentations: Regional

Dzemedzic, M. “Brain Imaging: A Physicist’s Perspective.” Louisiana Tech University, Ruston LA. Thursday Physics and BME seminars, October 29, 2015.

SERVICE:

University Service:

DEPARTMENT (Neurology)

*Keith Stantz (Purdue) Imaging analysis and software support	Paid consultant (14% FTE, 2 years)	2007 – 2008
*Angela Ciccia (Case Western University) Neuroimaging study analysis	Consultant	2007 – 2008

DEPARTMENT (Radiology and Imaging Sciences)

*Center for Neuroimaging Roundtable	Member	2010 – 2015
*MRI Working Group & Journal Club	Member	2009 – present
*Human Connectome Project Group	Member	2016 – present

SCHOOL

*Center for Neuroimaging, Dept. of Radiology and Imaging Sciences	Member	2007 – present
--	--------	----------------

CAMPUS

*Indiana Alcohol Research Center	Member	2007 – present
----------------------------------	--------	----------------

UNIVERSITY

*Indiana University Network Science Institute	Member	2016 – present
--	--------	----------------

Professional Service:

GRANT REVIEWS

*Indiana Alzheimer Disease Center (iADC) pilot program	2014, ad hoc
--	--------------

JOURNAL REVIEWS

*Brain Imaging and Behavior	2009 – present
-----------------------------	----------------

PUBLICATIONS: RESEARCH/CREATIVE ACTIVITY

Original Articles: Refereed

1. Steinacher, M., Backenstoss, G., Izycki, M., Salvisberg, P., Weber, P., Weyer, H.J., Hoffart, A., Rzehorz, B., Ullrich, H., **Dzemidzic, M.**, Furic, M., & Petkovic, T. (1990). Pion absorption in flight on ^4He . *Nucl. Phys. A517*, 413-454.
2. Barakat, M., Chen, Y., Conrad, S., Cooper, M.D., **Dzemidzic, M.**, Flick, J., Gagliardi, C.A., Hungerford, E.V., Johnston, K., Kim, G., Lan, K.J., Liu, F., Lu, Y., Mayes, B.W., Mischke, R.E., Phelps, R.A., Pinsky, L.S., Semon, D., Tribble, R.E., Tang, L.G., Tu, X., VanAusdeln, L. Von Witsch, W., Wang, H., Yao, X., & Yi, W. (1994). Construction of the MEGA photon detector. *Nucl. Inst. and Meth. A349*, 118-137.
3. Chen, Y.K., Cooper, M.D., Cooper, P.S., **Dzemidzic, M.**, Gagliardi, C.A., Hogan, G.E., Hungerford, E.V., Kim, G.J., Knott, J.E., Lan, K.J., Liu, F., Mayes, B.W., Mischke, R.E., Phelps, R.A., Pinsky, L.S., Stantz, K.M., Szymanski, J.J., Tang, L.G., Tribble, R.E., Tu, X.L., VanAusdeln, L.A., Von Witsch, W., & Wright, C.S. (1996). Architecture of the MEGA detector. *Trigger.Nucl. Inst. and Meth. A372*, 195-206.
4. Rzehorz, B., Backenstoss, G., **Dzemidzic, M.**, Furic, M., Hoffart, A., Petkovic, T., Ullrich, H., Weyer, H.J., Weiser, D., & Wildi, M. (1996). Evidence for pion absorption on four nucleons. *Europhys. Lett. 34*, 103-108.
5. Pollock, R.E., Dezarn, W.A., **Dzemidzic, M.**, Doskow, J., Hardie, J.G., Meyer, H.O., von Przewoski, B., Rinckel, T., Sperisen, F., Haeberli, W., Lorentz, B., Rathmann, F., Wise, T., & Pancella, P.V. (1997). Calibration of the polarization of a beam of arbitrary energy in a storage ring. *Phys. Rev. E. 55*, 7606-7611.
6. Meyer, H.O., Lorentz, B., **Dzemidzic, M.**, Doskow, J., Hardie, J.G., Pollock, R.E., von Przewoski, B., Rinckel, T., Sperisen, F., Haeberli, W., Rathmann, F., Wise, T., & Pancella, P.V. (1997). Polarization lifetime near an intrinsic depolarizing resonance. *Phys. Rev. E. 56*, 3578-3582.
7. Maggiora, A., Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, F., Bussa, M.P., Chalyshev, V., Choi, S., Debowski, M., **Dzemidzic, M.**, Falomkin, I.V., Faivre, J.C., Fava, L., Ferrero, L., Foryciarz, J., Frolov, V., Garfagnini, R., Gill, D., Grasso, A., Grosse, E., Ivanov, V.V., Jacobs, W.W., Kuhn, W., Maggiora, M., Manara, A., Panzieri, D., Pfaff, H., Piragino, G., Pontecorvo, G.B., Popov, A., Ritman, J., Salabura, P., Senger, P., Stroth, J., Tosello, F., Vigdor, S.E., & Zosi, G. The DISTO first level trigger at Saturne. (1998). *IEEE Transactions on Nucl. Sci. 45*, 817-820.
8. Maggiora, A., Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, F., Bussa, M.P., Chalyshev, V., Choi, S., Debowski, M., **Dzemidzic, M.**, Falomkin, I.V., Faivre, J.C., Fava, L., Ferrero, L., Foryciarz, J., Frolov, V., Garfagnini, R., Gill, D., Grasso, A., Grosse, E., Ivanov, V.V., Jacobs, W.W., Kuhn, W., Maggiora, M., Manara, A., Panzieri, D., Pfaff, H., Piragino, G., Pontecorvo, G.B., Popov, A., Ritman, J., Salabura, P., Senger, P., Stroth, J., Tosello, F., Vigdor, S.E., & Zosi, G. (1998). The DISTO data acquisition system at Saturne. *IEEE Transactions on Nucl. Sci. 45*, 868-872.
9. Rathmann, F., von Przewoski, B., Dezarn, W.A., Doskow, J., **Dzemidzic, M.**, Haeberli, W., Hardie, J.G., Lorentz, B., Meyer, H.O., Pancella, P.V., Pollock, R.E., Rinckel, T., Sperisen, F., & Wise, T. (1998). Complete angular distribution measurements of pp spin correlation analyzing parameters A_{xx} , A_{yy} , and A_{xz} and analyzing power A_y near 200 MeV. *Phys. Rev. C. 58*, 658-673.
10. von Przewoski, B., Daehnick, W.W., Doskow, J., **Dzemidzic, M.**, Flammang, R.W., Lorentz, B., Meyer, H.O., Pancella, P.V., Pollock, R.E., Quin, P., Rinckel, T., Saha, S.K., Schwartz, B., Sperisen, F., Thorngren Engblom, P., Ugorowski, P. & Wise, T. (1998).

- Polarization lifetime near an induced depolarizing resonance. *Rev. of Nucl. Instr.* 69, 3146-3148.
11. von Przewoski, B., Rathmann, F., Dezarn, W.A., Doskow, J., **Dziedzic, M.**, Haeberli, W., Hardie, J.G., Lorentz, B., Meyer, H.O., Pancella, P.V., Pollock, R.E., Rinckel, T., Sperisen, F., & Wise, T. (1998). Proton-proton analyzing power and spin correlation measurements between 200 and 450 MeV at $7^\circ \leq \theta(\text{cm}) \leq 90^\circ$ with an internal target in a storage ring. *Phys. Rev. C.* 58, 1897-1912.
 12. Meyer, H.O., Balewski, J.T., Doskow, J., **Dziedzic, M.**, Pollock, R.E., von Przewoski, B., Rinckel, T., Sperisen, F., Thorngren Engblom, P., Wolanski, M., Haeberli, W., Lorentz, B., Rathmann, F., Schwartz, B., Wise, T., Daehnick, W.W., Flammang, R.W., Saha, S.K., Tedeschi, D.J., & Pancella, P.V. (1998). Dependence of $pp \rightarrow pp\pi^0$ near threshold on the spin of the colliding nucleons. *Phys. Rev. Lett.* 81, 3096-3099.
 13. Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, A., Bussa, M.P., Chalyshev, V., Choi, S., Debowski, M., **Dziedzic, M.**, Faivre, J.C., Falomkin, I.V., Fava, L., Ferrero, L., Foryciarz, J., Frolov, V., Garfagnini, R., Gill, D., Grasso, A., Grosse, E., Heinz, S., Ivanov, V.V., Jacobs, W.W., Kuhn, W., Maggiora, A., Maggiora, M., Manara, A., Panzieri, D., Pfaff, H.W., Piragino, G., Pontecorvo, G.B., Popov, A., Ritman, J., Salabura, P., Senger, P., Stroth, J., Tosello, F., Vigdor, S.E., & Zosi, G. (1998). Production of ϕ and ω mesons in near threshold pp reactions. *Phys. Rev. Lett.* 81, 4572-4575.
 14. Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Chalyshev, V., Choi, S., Debowski, M., Brenschede, M.A., Brochard, F., Bussa, M.P., **Dziedzic, M.**, Faivre, J.C., Fava, L., Ferrero, L., Foryciarz, J., Frolov, V., Garfagnini, R., Gill, D., Heinz, S., Jacobs, W.W., Kuhn, W., Maggiora, A., Maggiora, M., Manara, A., Panzieri, D., Pfaff, H.W., Piragino, G., Pontecorvo, G.B., Popov, A., Ritman, J., Salabura, P., Senger, P., Stroth, J., Tosello, F., Vigdor, S.E., Zalikhonov, B., & Zosi, G. (1999). DISTO: A large acceptance multiparticle spectrometer for 1-3 GeV proton beams. *Nucl. Inst. and Meth. A426*, 385-404.
 15. Brooks, M. L., Chen, Y. K., Cooper, M. D., Cooper, P. S., **Dziedzic, M.**, Empl, A., Gagliardi, C. A., Hogan, G.E., Hughes, E. B., Hungerford, E. V., Jui, C. C. H., Knott, J. E., Koetke, D. D., Kroupa M. A., Lan, K. A., Manweiler, R., Mayes, B. W., Mischke, R. E., Piilonen, L. E., Stanislaus, T. D. S., Stantz, K. M., Szymanski, J. J., Tribble, R. E., Tu, X. L., Van Ausdeln, L. A., von Witsch, W. H., Wright, S. C. & Ziock, K. O. H. (1999). New limit for the family-number non-conserving decay $\mu^+ \rightarrow e^+ \gamma$. *Phys. Rev. Lett.* 83, 1521-1524.
 16. Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, F., Bussa, M.P., Chalyshev, V., Choi, S., Debowski, M., **Dziedzic, M.**, Faivre, J.C., Falomkin, I.V., Fava, L., Ferrero, L., Foryciarz, J., Frolov, V., Garfagnini, R., Gill, D., Grasso, A., Heinz, S., Ivanov, V.V., Jacobs, W.W., Kuhn, W., Maggiora, A., Maggiora, M., Manara, A., Panzieri, D., Pfaff, H.W., Piragino, G., Pontecorvo, G.B., Popov, A., Ritman, J., Salabura, P., Tosello, F., Vigdor, S.E. & Zosi, G. (1999). Spin transfer in exclusive Λ production from pp collisions at 3.67 GeV/c. *Phys. Rev. Lett.* 83, 1534-1537.
 17. Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, F., Bussa, M.P., Chalyshev, V., Choi, S., Debowski, M., **Dziedzic, M.**, Faivre, J.C., Falomkin, I.V., Fava, L., Ferrero, L., Foryciarz, J., Frolov, V., Garfagnini, R., Gill, D., Grasso, A., Heinz, S., Ivanov, V.V., Jacobs, W.W., Kuhn, W., Maggiora, A., Maggiora, M., Manara, A., Panzieri, D., Pfaff, H.W., Piragino, G., Pontecorvo, G.B., Popov, A., Ritman, J., Salabura, P., Tosello, F., Vigdor, S.E. & Zosi, G. (1999). K^- meson production in the proton-proton reaction at 3.67 GeV/c. *Phys. Lett. B.* 468, 7-12.

18. Lorentz, B., Haeberli, W., Rathmann, F., Wise, T., Doskow, J., **Dziedzic, M.**, Meyer, H.O., Pollock, R.E., von Przewoski, B., Rinckel, T., Sperisen, T.F., & Pancella, P.V. (2000). Angular distribution of the longitudinal pp spin correlation parameter A_{zz} at 197.4 MeV. *Phys. Rev. C* 61, 054002, 1-9.
19. Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, F., Bussa, M.P., Chalyshev, V., Choi, S., Debowski, M., **Dziedzic, M.**, Faivre, J.C., Falomkin, I.V., Fava, L., Ferrero, L., Foryciarz, J., Froelich, I., Frolov, V., Garfagnini, R., Gill, D., Grasso, A., Heinz, S., Ivanov, V.V., Jacobs, W.W., Kuhn, W., Maggiora, A., Maggiora, M., Manara, A., Panzneri, D., Pfaff, H.W., Piragino, G., Pontecorvo, G.B., Popov, A., Ritman, J., Salabura, P., Tosello, F., Vigdor, S.E., & Zosi, G. (2000). Production of η' mesons in the pp \rightarrow pp η' reaction. *Phys.Lett. B* 491, 29-35.
20. Lowe, M.J., **Dziedzic, M.**, Lurito, J.T., Mathews, V.P., & Phillips, M.D. (2000). Correlations in low-frequency BOLD fluctuations reflect cortico-cortical connections. *Neuroimage* 12, 582-587.
21. Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, F., Bussa, M.P., Chalyshev, V., Choi, S., Debowski, M., Dressler, R., **Dziedzic, M.**, Faivre, J.C., Falomkin, I.V., Fava, L., Ferrero, L., Foryciarz, J., Froelich, I., Frolov, V., Garfagnini, R., Grasso, A., Grosse, E. Heinz, S., Ivanov, V.V., Jacobs, W.W., Kuhn, W., Maggiora, A., Maggiora, M., Manara, A., Panzneri, D., Pfaff, H.W., Piragino, G., Pontecorvo, G.B., Popov, A., Ritman, J., Salabura, P., Tchalyshev, V., Tosello, F., Vigdor, S.E., & Zosi, G. (2001), ϕ and ω Meson Production in pp Reactions at $p_{lab} = 3.67$ GeV/c. *Phys.Lett. C* 63, 024004, 1-15.
22. Phillips, M.D., Lowe, Mark J., Lurito, J.T., **Dziedzic, M.**, & Mathews, V.P. (2001). Temporal Lobe Activation Demonstrates Gender Based Differences During Passive Listening. *Radiology*, 220, 202-207.
23. Barber, R., Ahmed, M.W., **Dziedzic, M.**, Empl, A., Hungerford, E.V., Lan, K.J., Wilson, J., Cooper, M.D., Gagliardi, C.A., Haim, D., Kim, G.J., Koetke, D.D., Tribble, R.E., & VanAusdeln, L.A. (2002). Characteristics of a delay-line readout in a cylindrical drift chamber system. *Nucl. Instrum. Meth. A* 479, 591-598.
24. Ahmed, M., Amann, J.F., Barlow, D., Black, K., Bolton, R.D., Brooks, M.L., Carius, S., Chen, Y.K., Chernyshev, A., Concannon, H.M., Cooper, M.D., Cooper, P.S., Crocker, J., Dittmann, J.R., **Dziedzic, M.**, Empl, A., Fisk, R.J., Fleet, E., Foreman, W., Gagliardi, C.A., Haim, D., Hallin, A., Hoffman, C.M., Hogan, G.E., Hughes, E.B., Hungerford, E.V., Jui, C.C.H., Kim, G.J., Knott, J.E., Koetke, D.D., Kozlowski, T., Kroupa, M.A., Kunselman, A.R., Lan, K.A., Laptev, V., Lee, D., Liu, F., Manweiler, R.W., Marshall, R., Mayes, B.W., Mischke, R.E., Nefkens, B.M.K., Nickerson, L.M., Nord, P.M., Othoudt, M.A., Otis, J.N., Phelps, R., Piilonen, L.E., Pillai, C., Pinsky, L., Ritter, M.W., Smith, C., Stanislaus, T.D.S., Stantz, K.M., Szymanski, J.J., Tang, L., Tippens, W.B., Tribble, R.E., Tu, X.L., Van Ausdeln, L.A., von Witch, W.H., Whitehouse, D., Wilkinson, C., Wright, B., Wright, S.C., Zhang, Y., Ziock, K.O.H. (2002). Search for the lepton-family-number nonconserving decay $\mu^+ \rightarrow e^+ \gamma$. *Phys. Rev. D* 65, 112002, 1-36.
25. Lowe, M.J., Phillips, M.D., Lurito, J.T., Mattson, D., **Dziedzic, M.**, & Mathews, V.P. (2002). Multiple sclerosis: low-frequency temporal blood oxygen level-dependent fluctuations indicate reduced functional connectivity - initial results. *Radiology*. 224, 184-192.
26. Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, F., Bussa, M.P., Choi, S., Colantoni, M.L., Dressler, R., **Dziedzic, M.**, Faivre, J.C., Ferrero, A., Ferrero, L., Foryciarz, J., Fröhlich, I., Frolov, V., Garfagnini, R., Grasso, A., Heinz, S., Jacobs, W.W., Kühn, W., Maggiora, A., Maggiora, M., Manara, A., Panzneri, D., Pfaff, H.W., Piragino, G., Popov, A., Ritman, J., Salabura, P., Tchalyshev, V., Tosello, F.,

- Vigdor, S.E., & Zosi, G. DISTO Collaboration (2002). ρ^0 meson production in the $pp \rightarrow p\rho\pi^+\pi^-$ reaction at 3.67GeV/c. *Physical Review Letters*. 89, 092001, 1-4.
27. Gandour, J., Wong, D., Lowe, M., **Dzemic, M.**, Satthamnuwong, N., Tong, Y., & Lurito, J. (2002). Neural circuitry underlying perception of duration depends on language experience. *Brain and Language*. 83, 268-290.
 28. Gandour, J., Wong, D., Lowe, M., **Dzemic, M.**, Satthamnuwong, N., Tong, Y., & Li, X. (2002). A cross-linguistic fMRI study of spectral and temporal cues underlying phonological processing. *Journal of Cognitive Neuroscience*. 14, 1076-1087.
 29. Gandour, J., Wong, D., **Dzemic, M.**, Lowe, Mark J., Tong, Y., & Li, X. (2003). A cross-linguistic fMRI study of perception and intonation and emotion in Chinese. *Human Brain Mapping*. 18, 149-157.
 30. Gandour, J., **Dzemic, M.**, Wong, D. Lowe, Mark J., Tong, Y., Hsieh, L., Satthamnuwong, N., & Lurito, J.T. (2003). Temporal integration of speech prosody is shaped by language experience: an fMRI study. *Brain and Language*. 84, 318-336.
 31. Kareken, D.A., Mosnik, D.M., Doty, R.L., **Dzemic, M.**, & Hutchins, G.D. (2003). Functional Anatomy of Human Odor Sensation, Discrimination, and Identification in Health and Aging. *Neuropsychology*. 17, 482-495.
 32. Li, X., Gandour, J., Talavage, T., Wong, D., **Dzemic, M.**, Lowe, Mark J., & Tong, Y. (2003). Selective attention to lexical tones recruits left dorsal frontoparietal network. *Neuroreport*. 14, 2263-2266.
 33. Gandour, J., Xu, Y., Wong, D., **Dzemic, M.**, Lowe, Mark J, Li, X., & Tong, Y. (2003). Neural correlates of segmental and tonal information in speech perception. *Human Brain Mapping*. 20, 185-200.
 34. Sabri, M., Kareken, D.A., **Dzemic, M.**, Lowe, Mark J., & Melara, R.D. (2004). Neural correlates of automatic auditory sensory memory and change detection. *Neuroimage*. 21, 69-74.
 35. Kareken, D.A., Claus, E.D., Sabri, M., **Dzemic, M.**, Kosobud, A.E., Radnovich, A.J., Ramchandani, V.A., O'Connor, S.J., Lowe, Mark J., & Li, T-K. (2004). Alcohol-related olfactory cues activate the nucleus accumbens and ventral tegmental area in high-risk drinkers: preliminary findings. *Alcoholism: Clinical and Experimental Research*. 28, 550-557.
 36. Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, F., Bussa, M.P., Choi, S., Colantoni, M.L., Dressler, R., **Dzemic, M.**, Faivre, J.C., Ferrero, A., Ferrero, L., Foryciarz, J., Frohlich, I., Frolov, V., Garfagnini, R., Grasso, A., Heinz, S., Jacobs, W.W., Kuhn, W., Maggiora, A., Maggiora, M, Manara, A., Panzieri, D., Pfaff, H.W., Piragino, G., Popov, A., Ritman, J., Salabura, P., Tchalyshev, V., Tosello, F., Vigdor, S.E., & Zosi, G. (2004). Exclusive η production in proton-proton reactions. *Physical Review C*. 69, 064003, 1-9.
 37. Gandour, J., Tong, Y., Wong, D., Talavage, T., **Dzemic, M.**, Xu, Y., Li, X., & Lowe, Mark J. (2004). Hemispheric roles in the perception of speech prosody. *Neuroimage*. 23, 344-57.
 38. Li, X., Wong, D., Gandour, J., **Dzemic, M.**, Tong, Y., Talavage, T., & Lowe, Mark J. (2004). Neural network for encoding immediate memory in phonological processing. *Neuroreport*. 15, 2459-2462.
 39. Tong, Y., Gandour, J, Talavage, T., **Dzemic, M.**, Xu, Y., Li, X., & Lowe, Mark J. (2005). Neural Circuitry underlying sentence-level linguistic prosody. *Neuroimage*, 28(2), 417-28.
 40. Xu, Y., Gandour, J., Talavage, T., Wong, D., **Dzemic, M.**, Tong, Y., & Lowe, Mark J. (2006). Activation of the left planum temporale in pitch processing is shaped by language experience. *Human Brain Mapping*. 27, 173-183.

41. *Gandour, J., Tong, Y., Talavage, T., Wong, D., **Dzemiczic, M.**, Xu, Y., Li, X., & Lowe, Mark J. (2007). The neural basis of first and second language processing of sentence-level linguistic prosody. *Human Brain Mapping* 28, 94-108.
42. *Bragulat, V., **Dzemiczic, M.**, Talavage, T., Davidson, D., O'Connor, S.J., & Kareken, D.A. (2008). Alcohol sensitizes cerebral responses to the odors of alcoholic drinks: an fMRI study. *Alcohol. Clin. Exp. Res.* 32, 1124-1134.
43. *Anand, A., Li, Y., Wang, Y., Lowe, M.J., & **Dzemiczic, M.** (2009). Resting state corticolimbic connectivity abnormalities in unmedicated bipolar disorder and unipolar depression. *Psychiatry Research.* 171,189-198.
44. *Byrd, K.E., Romito, L.M., **Dzemiczic, M.**, Wong, D., & Talavage, T. (2009). fMRI study of brain activity elicited by oral parafunctional movements. *J. Oral Rehabil.* 36, 346-361.
45. *Kareken, D.A., Bragulat, V., **Dzemiczic, M.**, Cox, C.A., Talavage, T., Davidson, D., & O'Connor, S.J. (2010). Family history of alcoholism mediates the frontal response to alcoholic drink odors and alcohol in at-risk drinkers. *Neuroimage.* 50, 267-276.
46. *Bragulat, V., **Dzemiczic, M.**, Bruno, C., Cox, C.A., Talavage, T.M., Considine, R.V., & Kareken, D.A. (2010). Food-related odor probes of brain reward circuits during hunger: A pilot fMRI. *Obesity.* 18, 1566-1571.
47. Yamazaki, T., Maggiora, M., Kienle, P., Suzuki, K., Amoroso, A., Alexeev, M., Balestra, F., Bedfer, Y., Bertini, R., Bland, L.C., Brenschede, A., Brochard, F., Bussa, M.P., Choi, S., Colantoni, M.L., Dressler, R., **Dzemiczic, M.**, Faivre, J.C., Ferrero, L., Foryciarz, J., Fröhlich, I., Frolov, V., Garfagnini, R., Grasso, A., Heinz, S., Jacobs, W.W., Kühn, W., Maggiora, A., Panzner, D., Pfaff, H.W., Pontecorvo, G., Popov, A., Ritman, J., Salabura, P., Sosio, S., Tchalyshv, V., & Vigdor, S.E. (2010). Indication of a Deeply Bound and Compact K_{pp} State Formed in the $pp \rightarrow p\Lambda^+$ Reaction at 2.85 GeV. *Physical Review Letters*, 104, 132502, 1-5.
48. *Li, X., Gandour, J.T., Talavage, T., Wong, D., Hoffa, A., Lowe, Mark J., & **Dzemiczic, M.** (2010). Hemispheric asymmetries in phonological processing of tones versus segmental units. *Neuroreport.* 21, 690-694.
49. *Kareken, D.A., Liang, T., Wetherill, L., **Dzemiczic, M.**, Bragulat, V., Cox, C.A., Talavage, T., O'Connor, S.J., & Foroud, T. (2010). A polymorphism in GABRA2 is associated with the medial prefrontal response to alcohol cues in an fMRI study. *Alcohol Clin. Exp. Res.* 34, 2169-2178.
50. *Wong, D., **Dzemiczic, M.**, Talavage, T.M., Romito, L.M., & Byrd, K.E. (2011). Motor control of jaw movements: An fMRI study of parafunctional clench and grind behavior. *Brain Res.* 1383, 206-217.
51. *Rupp, J., **Dzemiczic, M.**, Blekher, T., Bragulat, V., West, J.D., Jackson, J., Hui, S., Wojcieszek, J., Saykin, A.J., Kareken D.A., & Foroud, T. (2011). Abnormal error-related antisaccade activation in premanifest and early manifest Huntington disease. *Neuropsychology.* 25, 306-318.
52. *Synder, S.N, Bockbrader, M.A., Hoffa, A.M., **Dzemiczic, M.**, Talavage, T.M., Wong, D., Lowe, M.J., O'Donnell, B.F. & Shekhar, A (2011). Psychometrically matched tasks evaluating differential fMRI activation during form and motion processing. *Neuropsychology.* 25, 622-633.
53. *Anand, A., Barkay, G., **Dzemiczic, M.**, Albrecht, D., Karne, H, Zheng. Q.H., Hutchins, G.D., Normandin, M.D., & Yoder, K.K. (2011). Striatal dopamine transporter availability in unmedicated bipolar disorder. *Bipolar Disord.* 13, 406-413.
54. *Rupp J., **Dzemiczic, M.**, Blekher, T., Bragulat, V., West, J.D., Jackson, J., Hui, S., Wojcieszek, J., Saykin, A.J., Kareken, D.A., & Foroud, T. (2012). Comparison of vertical and horizontal saccade measures and their relation to gray matter changes in premanifest and manifest Huntington disease. *Journal of Neurology.* 259, 267–276.

55. *Kareken, D.A., Grahame, N.J., **Dzemidzic, M.**, Walker, M.J., Lehigh, C.A., & O'Connor, S.J. (2012). fMRI of the brain's response to stimuli experimentally paired with alcohol intoxication. *Psychopharmacology*, 220, 335-45.
56. *Oberlin, B.G., **Dzemidzic, M.**, Bragulat, V., Lehigh, C.A., Talavage, T.M., O'Connor, S.J. & Kareken, D.A. (2012). Limbic responses to reward cues correlate with antisocial trait density in heavy drinkers. *Neuroimage*, 60, 644-52.
57. *Eiler II, W.J.A., **Dzemidzic, M.**, Case, K.R., Considine, R.V., & Kareken, D.A. (2012). Correlation between ventromedial prefrontal cortex activation to food aromas and cue-driven eating: An fMRI study. *Chemosensory Perception*, 5, 27-36.
58. *Long, Z., Medlock, C., **Dzemidzic, M.**, Shin, Y.W., Goddard, A.W., & Dydak, U. (2013). Decreased GABA levels in anterior cingulate cortex/medial prefrontal cortex in panic disorder. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 44, 131-135.
59. *Kareken, D.A., **Dzemidzic, M.**, Wetherill, M., Eiler II, W., Oberlin, B.G., Harezlak, J., Wang, J., & O'Connor, S.J. (2013). Family history of alcoholism interacts with alcohol to affect brain regions involved in behavioral inhibition. *Psychopharmacology*, 228, 335-345.
60. *Oberlin, B.G., **Dzemidzic, M.**, Tran, S.M., Soeurt, C.M., Albrecht, D.S., Yoder, K.K., & Kareken, D.A. (2013). Beer flavor provokes striatal dopamine release in male drinkers: Mediation by family history of alcoholism. *Neuropsychopharmacology*, 38, 1617-1624.
61. *Shin, Y.W., **Dzemidzic, M.**, Jo, H.J., Long Z., Medlock, C., Dydak, U., & Goddard, A.W. (2013). Increased resting-state functional connectivity between the anterior cingulate cortex and the precuneus in panic disorder: resting-state connectivity in panic disorder. *Journal of Affective Disorders*, 150, 1091-1095.
62. *Xu, J., Dydak, U., Harezlak, J., Nixon, J., **Dzemidzic, M.**, Gunn, A.D., Karne, H.S., & Anand A. (2013). Neurochemical abnormalities in unmedicated bipolar depression and mania: A 2D ¹H MRS investigation. *Psychiatry Research: Neuroimaging*, 213, 235-241.
63. *Kareken, D.A., **Dzemidzic, M.**, Oberlin, B.G., & Eiler II, W.J.A. (2013). A preliminary study of the human brain response to oral sucrose and its association with recent drinking. *Alcoholism: Clinical and Experimental Research*, 37, 2058-2065.
64. *Cyders, M.A., **Dzemidzic, M.**, Eiler, W.J., Coskunpinar, A., Karyadi, K., & Kareken, D.A. (2014). Negative urgency and ventromedial prefrontal cortex responses to alcohol cues: fMRI evidence of emotion-based impulsivity. *Alcoholism: Clinical and Experimental Research*, 38, 409-417.
65. *Albrecht, D.S., Kareken, D.A., Christian, B.T., **Dzemidzic, M.**, & Yoder, K.K. (2014). Cortical dopamine release a behavioral response inhibition task. *Synapse* 68, 266-74.
66. *Eiler, W.J.A., **Dzemidzic, M.**, Case, K.R., Armstrong, C.L.H., Mattes, R.D., Cyders, M.A., Considine, R.V., & Kareken, D.A. (2014). Ventral frontal satiation-mediated responses to food aromas in obese and normal weight women. *The American Journal of Clinical Nutrition*, 99, 1309-1318.
67. *Cyders, M.A., **Dzemidzic, M.**, Eiler, W.J., Coskunpinar, A., Karyadi, K., & Kareken, D.A. (2015). Negative urgency mediates the relationship between left amygdala and right orbitofrontal activation to negative emotional stimuli and general risk-taking. *Cerebral Cortex*, 25, 4094-4102.
68. *Oberlin, B.G., **Dzemidzic, M.**, Tran, S.M., Soeurt, C.M., O'Connor, S. Yoder, K.K., & Kareken, D.A. (2015). Beer self-administration provokes lateralized nucleus accumbens dopamine release in male heavy drinkers. *Psychopharmacology*, 232, 861-870.
69. *Dharmadhikari, S., Romito, L.M., **Dzemidzic, M.**, Dydak, U., Xu, J., Bodkin, C.L., Manchanda, S., & Byrd, K.E. (2015). GABA and glutamate levels in occlusal splint-wearing males with possible bruxism. *Archives of Oral Biology*, 60, 1021-1029.

70. *Weafer, J., **Dzemic, M.**, Eiler II, W.J., Oberlin, B.G., Wang, Y., & Kareken, D.A. (2015). Associations between regional brain physiology and trait impulsivity, motor inhibition, and impaired control over drinking. *Psychiatry Research: Neuroimaging*, 233, 81-87.
71. *Eiler II, W.J.A., **Dzemic, M.**, Case, K.R., Soeurt, C.M., Armstrong, C.L.H., Mattes, R.D., O'Connor, S.J., Harezlak, J., Acton, A.J., Considine, R.V., & Kareken, D.A. (2015). The apéritif effect: alcohol's effects on the brain's response to food aromas in women. *Obesity*, 23, 1386-1393.
72. *Cyders, M. A., **Dzemic, M.**, Eiler, W. J., & Kareken, D. A. (2016). BOLD responses to sexual stimuli as a function of gender and sensation seeking: A preliminary analysis. *J. Sex Res.* 53, 1020-1026.
73. *Charpentier, J., **Dzemic, M.**, West, J., Oberlin, B.G., Eiler, W.J.A. II, Saykin, A.J., & Kareken, D.A. (2016). Externalizing personality traits, empathy, and gray matter volume in healthy young drinkers. *Psychiatry. Research: Neuroimaging*, 248, 64-72.
74. *Yoder, K.K., Albrecht, D.S., **Dzemic, M.**, Normandin, M.D., Federici, L.M., Graves, T., Herring, C.M., Hile, K.L., Walters, J.W., Liang, T., Plawecki, M.H., O'Connor, S., & Kareken, D.A. (2016). Difference in IV alcohol-induced dopamine release in the ventral striatum of social drinkers and nontreatment-seeking alcoholics. *Drug Alcohol Depend.* 160, 163-169.
75. *Oberlin, B.G., **Dzemic, M.**, Harezlak, J., Kudela, M.A., Tran, S.M., Soeurt, C.M., Yoder, K.K., & Kareken, D.A. (2016). Corticostriatal and dopaminergic response to beer flavor with both fMRI and 11C-raclopride positron emission tomography. *Alcoholism: Clinical and Experimental Research*, 40, 1865-1873.
76. *Contreras, J.A., Goñi, J., Risacher, S.L., Amico, E., Yoder, K.K., **Dzemic, M.**, West, J.D., McDonald, B.C., Farlow, M.R., Sporns, O., & Saykin, A.J. (2016). Cognitive complaints in older adults at risk for Alzheimer's disease are associated with altered resting-state networks. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring.* 6, 40-49.
77. *Amico, E., Marinazzo, D., Di Perri, C., Heine, L., Annen, J., Martial, C., **Dzemic, M.**, Kirsch, M., Bonhomme, V., Laureys, S., & Goñi J. (2017). Mapping the functional connectome traits of levels of consciousness. *Neuroimage.* 148, 201-211.
78. *Weafer, J., Gorka, S., Hedeker, D., **Dzemic, M.**, Kareken, D., Phan, K.L. & de Wit, H. (2017). NPRC-Associations between behavioral and neural correlates of inhibitory control and amphetamine reward sensitivity. *Neuropsychopharmacology.* 17 March 2017. doi:10.1038/npp.2017.61.

Book Chapters

Lurito J.T. & **Dzemic, M.** (2001). Determination of cerebral hemisphere language dominance with functional magnetic resonance imaging. *Neuroimaging Clinics of North America.* 11, 355-363.

Oral Abstract Presentations:

*Dydak, U., Nixon, J. M., **Dzemic, M.**, Karne, H. S., & Anand, A. (2010). Metabolic Changes in Medication-free Patients with Bipolar and Unipolar Disorder. ISMRM, Stockholm, Sweden. May 1-7.

*Kudela, M.A., **Dzemic, M.**, Oberlin, B.G., Kareken, D.A., & Harezlak, J. (2013). Semiparametric wavelet estimation of the Hemodynamic Response Function (HRF) and its

application in a gustatory functional magnetic resonance imaging (fMRI) study. *The 2013 Joint Statistical Meetings*. Montréal, Canada. Aug 3-8.

*Harezlak, J., **Dziedzic, M.**, Kudela, M.A., Oberlin, B.G., & Kareken, D.A. (2014). Comparison of parametric and semiparametric statistical methods and signal processing methodology for fMRI signal analysis illustrated using a gustatory experiment. *The 2014 ENAR Spring Meeting*. Baltimore, MD, USA. March 16-19.

*Yoder, K.K., Albrecht, D., Normandin, M., **Dziedzic, M.**, Herring, C., Hile, K., Walters, J., O'Connor, S., & Kareken, D. (2015). Striatal dopamine responses to IV alcohol in social drinkers and nontreatment-seeking alcoholics. *Society for Nuclear Medicine and Molecular Imaging*. Baltimore, MD, USA. June 6-10.

*Chumin, E.J., Halcomb, M.E., Contreras, J.A., **Dziedzic, M.**, Goñi, J., & Yoder, K.K. (2016). Preliminary assessment of the influence of corticostriatal structural connectivity on striatal [¹¹C]raclopride availability in social drinkers and nontreatment-seeking alcoholics. *11th International Symposium on Functional Neuroreceptor Mapping of the Living Brain*. Boston, MA, USA. July 13-16.

*Contreras, J.A., Goñi, J., Rishacher, S.L., Amico, E., **Dziedzic, M.**, West, J.D., McDonald, B.C., Farlow, M.R., Sporns, O., & Saykin, J.A. (2016). Cognitive complaints in older adults at risk for Alzheimer's disease are associated with altered resting state networks. *Alzheimer's Association International Conference*. Toronto, Canada, July 24-28.

Poster Abstract Presentations:

Dziedzic, M., Lowe, M.J., Mathews, V.P., Lurito, J.T., & Phillips, M.D. (1999). Estimation of spatial registration error for Talairach-transformed MR images. *Neuroimage*. 9, (6 PART II), S60-S60.

Lowe, M.J., Phillips, M.D., Lurito, J.T., Mathews, V.P., **Dziedzic, M.**, & Wojcieszek, J.M. (1999). Three-dimensional cluster analysis as a determinant of right/left asymmetry in fMRI of Parkinson's disease. *NeuroImage*, 9(6 PART II), S577-S577.

Lowe, M.J., Phillips, M.D., Mathews, V.P., Lurito, J.T., & **Dziedzic, M.** (1999). Selective activation of Wernicke's and simple auditory areas using a novel passive listening paradigm. *NeuroImage*, 9(6 PART II), S1063-S1063.

Lowe, M.J., **Dziedzic, M.**, Lurito, J.T., Mathews, V.P. & Phillips, M.D. (2000). Temporal correlations in low frequency BOLD fluctuations reveal functional networks. *NeuroImage*. 11, (5 PART II), S510-S510.

Lowe, M.J., Phillips, M.D., Mattson, D.H., Mathews, V.P., Lurito, J.T., **Dziedzic, M.**, & Srinivasan, R. (2000). Resting state BOLD fluctuations reflect impaired functional connectivity in multiple sclerosis. *NeuroImage*. 11, (5 PART II), S509-S509.

Phillips, M.D., Lurito, J.T., **Dziedzic, M.**, Lowe, M.J., Wang, Y. & Mathews, V.P. (2000). Gender based differences in temporal lobe activation demonstrated using a novel passive listening paradigm. *NeuroImage*. 11, (5 PART II), S532-S532.

Lurito, J. T., Kareken, D.A., **Dzemidzic, M.**, Lowe, M.J., Radnovich, A., Staser, J., Phillips, M.D., Wang, Y. & Mathews, V.P. (2000). Functional MRI of covert object naming. *NeuroImage*, 11, (5 PART II), S285-S285.

Lowe, M.J., **Dzemidzic, M.**, Lurito, J.T., Mathews, V.P. & Phillips, M.D. (2000). Functional discrimination of thalamic nuclei using BOLD contrast at 1.5T. *NeuroImage*, 11, (5 PART II), S709-S709.

Lurito, J.T., **Dzemidzic, M.**, Mathews, V.P., Lowe, M.J., Kareken, D.A., Phillips, M.D., & Wang, Y. (2000). Comparison of hemispheric lateralization using four language tasks. *NeuroImage*, 11(5 PART II). S358-S358.

Phillips, M.D., Lurito, J.T., **Dzemidzic, M.**, Lowe, M.J., Wang, Y., & Mathews, V.P. (2000). Temporal lobe activation demonstrates gender-based differences during passive listening. *Radiology*, 217, 188-188.

Lowe, M.J., Phillips, M.D., Mattson, D.H., Mathews, V.P., & **Dzemidzic, M.** (2000). Loss of functional connectivity in patients with advanced multiple sclerosis (MS). *Radiology*, 217, 603-603.

Kareken, D.A., Mosnik, D.M., Doty, R.L., **Dzemidzic, M.**, & Hutchins, G.D. (2001). Functional anatomy of olfaction in normal aging. *Neuroimage*, 13(6), 899-899.

Mattson, D.H., Lowe, M., Phillips, M., Matthews, V., Lurito, J., **Dzemidzic, M.**, Srinivasan, R. (2001). Loss of functional connectivity in multiple sclerosis by functional magnetic resonance imaging analysis. *Annals of Neurology*, 50 (3), S29-S30.

Lurito, J.T., Wang, Y., Mathews, V.P., Lowe, M.J., **Dzemidzic, M.**, & Kronenberger, W.G. (2001). fMRI frontal lobe activation patterns differ between adolescents with disruptive behavior disorder and control subjects. *Radiology*, 221, 239-239.

Wang, Y., Mathews, V.P., Lurito, J.T., Lowe, M.J., **Dzemidzic, M.**, Phillips, M.D., Kronenberger, W., & Dunn, D. (2002). Adolescents with Disruptive Behavior Disorder have different frontal lobe fMRI activation patterns as compared to control subjects. *Proceedings of the International Society for Magnetic Resonance in Medicine*. 128-128. Berkeley, CA, USA.

Wang, Y., Mathews, V.P., Lowe, M.J., **Dzemidzic, M.**, Lurito, J.T., Phillips, M.D., Kronenberger, W., & Dunn, D. (2002). Retrospective motion correction of 3D EPI fMRI during go-no-go task allows robust BOLD signal detection. *Proceedings of the International Society for Magnetic Resonance in Medicine*. 222-222. Berkeley, CA, USA.

Wang, Y., Mathews, V.P., Lowe, M.J., Lurito, J.T., **Dzemidzic, M.**, & Phillips, M.D. (2002). Effects of violent media exposure by adolescents with disruptive behavior disorder as compared to control subjects: fMRI activation patterns in frontal lobe. *Radiology*, 225, 132-132.

Wilt, M., **Dzemidzic, M.**, Bismark, A., Wang, Y., O'Donnell, B., & Shekhar, A. (2003). fMRI analysis of form and motion perception in schizophrenia. *Psychophysiology*, 40, S92-S92.

Sabri, M., Kareken, D.A., **Dziedzic, M.**, Lowe, M.J., & Melara, R.D. (2003). Neural correlates of auditory sensory memory and automatic change detection. *Psychophysiology*, *40*, S74-S74.

Li, X., Gandour, J., Wong, D., **Dziedzic, M.**, Lowe, M.J., & Bian, W. (2003). Fractionating Medial Processes Underlying Speech Segmentation. *Neuroimage*. *19*(2), e2606-e2607.

Gandour, J., Yisheng, X., Wong, D., **Dziedzic, M.**, Lowe, M.J., Li, X., & Tong, Y. (2003). Is the left posterior prefrontal cortex specialized for overt segmentation or something else? *Neuroimage*. *19*(2), e2549-e2550.

Kareken, D., Radnovich, A., Claus, E., Ramchandani, V., O'Connor, S., **Dziedzic, M.**, Lowe, M., & Li, T.K. (2004). Cerebral activation from combined olfactory and visual cues in high-risk drinkers. *Alcoholism: Clinical and Experimental Research*. *28*, 5, 22A-22A.

Li, X., J., Gandour, J., Wong, D., **Dziedzic, M.**, & Tong, Y.X. (2004). An fMRI investigation of immediate memory and selective attention underlying Chinese tone processing. *International Journal of Psychology*, *39* (5-6), 425-425.

Kareken, D., Seyoum, R., Plawewski, M., Vitvitsky, V., Davidson, D., Li, T.Q., **Dziedzic, M.**, & O'Connor, S. (2005). Alcohol potentiates the orbitofrontal response to alcoholic drink odors in risky drinkers. *Alcoholism: Clinical and Experimental Research*. *29*, 5, 102A-102A.

Stantz, K.M., Liu, B., Cao, M., Reinecke, D., **Dziedzic, M.**, Liang, Y., & Kruger, R. (2006). Evaluating dynamic contrast-enhanced and photoacoustic CT to assess intra-tumor heterogeneity in xenograft mouse models. *Proc. SPIE Medical Imaging (6143)*, 489-500.

Stantz, K.M., Liu, B., Cao, M., Reinecke, D., **Dziedzic, M.**, Liang, Y., & Kruger, R. A. (2006). Measuring hypoxic factors in solid tumors using photoacoustic and X-Ray CT. *Molecular Imaging (5)*, 362-363.

Byrd, K.E., Romito, L.M., **Dziedzic, M.**, Wong, D., & Talavage, T.M. (2006). fMRI investigation of brain activation patterns during brux-like oromotor tasks in bruxers and nonbruxers. *51st Annual Scientific Meeting of American Equilibration Society*. Chicago, Illinois, USA.

Byrd, K.E., Talavage, T.M., Wong, D., Romito, L.M., & **Dziedzic, M.** (2006). fMRI studies of brain regions activated by Bruxers and Non-Bruxers, *J. Dent. Res.* *85* (Spec. Issue A), 0851, (www.dentalresearch.org).

Byrd, K.E., **Dziedzic, M.**, Wong, D., Talavage, T.M., & Romito, L.M. (2006). fMRI study of bruxlike oromotor tasks in bruxers and nonbruxers. *Organization for Human Brain Mapping Meeting*. Florence, Italy. Jun 11-15. *NeuroImage*, *31*, Suppl (1).

Byrd, K.E., Wong, D., **Dziedzic, M.**, Romito, L.M., & Talavage, T.M. (2006). fMRI study of motor imagery in bruxism. *Society for Neuroscience*. Atlanta, GA, USA. Oct 14-18.

*Bragulat, V., **Dziedzic, M.**, Davidson, D., O'Connor, S.J., & Kareken, D.A. (2007). Alcohol potentiates the response to alcoholic drink odors in human limbic circuits. *Alcoholism: Clinical and Experimental Research*. *31*, 6, Suppl, 108A-108A.

*Byrd, K.E., **Dziedzic, M.**, Romito, L.M., Talavage, T.M., & Wong, D. (2008). Brain Activation and Dental Wear Correlations in Bruxers and Non-Bruxers. 37th Annual Meeting & Exhibition of the AADR. Poster 1227. Dallas, Texas, USA. April 2-5.

*Anand, A., Wang, Y., & **Dziedzic, M.** (2008). Novel brain imaging studies of resting state mood regulating circuit connectivity on unmedicated bipolar disorder and effects of lithium treatment. *Bipolar Disorders*, 10, Suppl (1), 6-6.

*Anand, A., Metrick, M.S., Wang, Y., & **Dziedzic, M.** (2008). fMRI investigation of SSRI induced apathy and effect of extended release bupropion treatment. *Biological Psychiatry*, 63, 7, 113S-113S.

*Kareken, D.A., Bragulat, V., **Dziedzic, M.**, Talavage, T., Davidson, D., & O'Connor, S.J. (2008). Striatal and limbic system responses to alcohol's chemical sense cues in at-risk subjects. *Alcoholism: Clinical and Experimental Research*. 32, Suppl(1), 300A-300A.

*Bragulat, V., **Dziedzic, M.**, Cox, C.A., Talavage, T., Davidson, D., O'Connor, S.J., & Kareken, D.A. (2008). Bold signal activation from alcoholic drink-odors is correlated with cue-induced craving in the bilateral insula. *Alcoholism: Clinical and Experimental Research*. 32, Suppl(1), 103A-103A.

*Bragulat, V., **Dziedzic, M.**, Cox, C.A., Talavage, T., Considine, R.V., & Kareken, D.A. (2008). Cerebral network activation elicited by food-related odors in obese and lean subjects: A pilot study. *Obesity*. 16, S87-S88.

*Rupp, J.D., Kareken, D.A., **Dziedzic, M.**, Bragulat, V., Wojcieszek, J., Blekher, T. & Foroud, T. (2008). fMRI activation patterns elicited by saccadic tasks in prediagnostic and early manifest Huntington disease. *Society for Neuroscience*. Program/Poster 744.10v32. Washington, DC, U.S.A. Nov 15 – 19.

*Rupp, J.D., Blekher, T., **Dziedzic, M.**, Bragulat, V., West, J.D., Wojcieszek, J., Saykin, A.J., Kareken, D.A., & Fouroud, T. (2009). Dysfunctional error monitoring in the anterior cingulate cortex in prediagnostic and manifest HD during an anti-saccade task. *Movement Disorders*. 24, S168-S169.

*West, J.D., Saykin, A.J., Roth, R.M., Flashman, L.A., Koven, N.S., Garlinghouse, M.A., Pendergrass, J.C., & **Dziedzic, M.** (2009). Selective Association of Positive and Negative Symptoms in Schizophrenia with Brain Activation and Connectivity during Working Memory. *NeuroImage*, 47, Suppl(1), S39-S41.

*Kareken, D.A., Bragulat, V., **Dziedzic, M.**, Liang, T., Fouroud, T., & O'Connor, S.J. (2009). Alcoholism risk factors and their differential effects on the medial prefrontal response to alcohol's conditioned cues. *Alcoholism: Clinical and Experimental Research*. 33, 6, 313A.

*Anand, A., Krishne, H., & **Dziedzic, M.** (2009). Lithium Monotherapy Effects on Resting State Cortico-Amygdalar Connectivity in Bipolar Disorder. 48th Annual Meeting of American College of Neuropsychopharmacology. Hollywood, Florida. Dec 6-10.

*Nixon, J., Dydak, U., **Dziedzic, M.**, Karne, H., & Anand, A. (2010). Magnetic resonance spectroscopy imaging of differences between unmedicated bipolar and unipolar depression. *Biological Psychiatry*. 67, 9, 135S-135S.

*Anand, A., Karne, S. & **Dzemiczic, M.** (2010). Default mode circuit differences between unmedicated bipolar depression and unipolar depression. *Organization for Human Brain Mapping Meeting, poster 3273*. Barcelona, Spain. Jun 6-10.

*Kareken, D.A., **Dzemiczic, M.**, Wang, Y., Talavage, T., Bragulat, V., & O'Connor, S.J. (2010). Clamped alcohol's effect on cerebral blood flow. *Alcoholism: Clinical and Experimental Research. 34, Suppl(2), 22A*. Also presented at *Human Brain Mapping*. Barcelona, Spain. Jun 6-10.

*Walker, M.J., Cox, C.A., Bragulat, V., **Dzemiczic, M.**, Windisch, K.A., O'Connor, S.J., Grahame, N.J., & Kareken, D.A. (2010). Negative prediction error to classically conditioned novel cues of alcohol intoxication. *Alcoholism: Clinical and Experimental Research. 34, Suppl(2), 163A*.

*Kareken, D.A., Walker, M.J., **Dzemiczic, M.**, Bragulat, V., Oberlin, B.G., Albrecht, D.S., & Yoder, K.K. (2010). Human ventral striatal dopamine receptor availability as a function of alcoholic drink tastes. *Alcoholism: Clinical and Experimental Research. 34, Suppl(2), 132A*.

*Kareken, D.A., Walker, M.J., **Dzemiczic, M.**, Cox, C.A., Bragulat, V., Windisch, K.A., O'Connor, S.J., & Grahame, N.J. (2010). Regional brain responses to experimentally classically conditioned novel cues of alcohol intoxication. *Alcoholism: Clinical and Experimental Research. 34, Suppl(2), 132A*.

*Kareken, D.A., **Dzemiczic, M.**, O'Connor, S., & Grahame, N.J. (2011). Brain responses to novel, classically conditioned cues of alcohol intoxication. *Alcoholism: Clinical and Experimental Research. 35, Suppl(6), 290A*.

*Oberlin, B.G., **Dzemiczic, M.**, Albrecht, D.S., Yoder, K.K., & Kareken, D.A. (2011). What combined fMRI and PET imaging of dopamine reveals about ventral striatal responses to tasting a favorite beer. *Alcoholism: Clinical and Experimental Research. 35, Suppl(6), 282A*.

*Wetherill, L., **Dzemiczic, M.**, Oberlin, B., Eiler, W., Lehigh, C., O'Connor, S., & Kareken D. (2011). An fMRI study of stop signal inhibition during alcohol intoxication: interaction with level of response to alcohol and personality characteristics. *Alcoholism: Clinical and Experimental Research. 35, Suppl(6), 26A*.

*Dydak, U., Long, Z., Shin, Y.-W., **Dzemiczic, M.**, & Goddard, A. (2012). GABA imaging findings in panic disorder measured by H-1 MRS. *International Journal of Neuropsychopharmacology. 15, Suppl(1), 13-14*.

*Shin, Y.-W., **Dzemiczic, M.**, Dydak, U., Goddard, A., & Long, Z. (2012). Resting-state functional connectivity in panic disorder. *International Journal of Neuropsychopharmacology. 15, Suppl(1), 14-14*.

*Eiler, W.J., **Dzemiczic, M.**, Oberlin, B., O'Connor, S.J., & Kareken, D.A. (2012) Relationships between resting cerebral blood flow and alcoholism risk. *Alcoholism: Clinical and Experimental Research. 36, Suppl(1), 46A*.

*Albrecht, D. A., Kareken, D.A., Eiler, W.J., **Dzemiczic, M.**, Herring, C.M., Walters, J.W., & Yoder, K.K. (2012). Cortical dopamine release during a behavioral response inhibition task in social drinkers. *Alcoholism: Clinical and Experimental Research. 36, Suppl(1), 269A*.

- *Kareken, D. A., Eiler, W. J., II, Wetherill, L., Oberlin, B.G., **Dziedzic, M.**, Mitchell, T., Case, K. R., O'Connor, S. J. (2012). Stop signal inhibition as a function of family history of alcoholism: fMRI findings. *Alcoholism: Clinical and Experimental Research*. 36, Suppl(1), 367A.
- *Lapish, C.C., **Dziedzic, M.**, Nguyen, T., Oberlin, B.G., Mukhopadhyay, S., & Kareken, D.A. (2012). Classification of fMRI response to intra-oral fluid via support vector machine. *Society for Neuroscience*. New Orleans, LA, USA. Oct 12-17.
- *Dharmadhikari, S., Dydak, U., **Dziedzic, M.**, Romito, L., & Byrd, K. (2012). Quantification of GABA and other metabolite levels in brain regions implicated in PTSD, temporomandibular disorder, and traumatic brain injury. *Society for Neuroscience*. New Orleans, USA, Oct 12-17.
- *Kudela, M.A., **Dziedzic, M.**, Oberlin, B., Kareken, D., & Harezlak, J. (2012). Wavelet analysis of regional gustatory responses in BOLD fMRI. *Developing Novel Statistical Methods in Neuroimaging*. San Diego, CA. Jul 24-26.
- *Kareken, D.A., **Dziedzic, M.**, Oberlin, B.G., & Eiler, W.J. II. (2013). The Brain Response to Oral Sucrose Stimulation: Association with Recent Drinking. *3rd International Conference on Applications of Neuroimaging to Alcoholism (ICANA-3)*. Yale University, New Haven, CT, USA. February 16-18.
- *Albrecht, D.A., Kareken, D.A., Christian, B.T., Brown-Proctor, C., Eiler, W.J., **Dziedzic, M.**, Herring, C.M., Walters, J.W., & Yoder, K.K. (2013). Cortical Dopamine release During a Behavioral Response Inhibition Task in Social Drinkers. *3rd International Conference on Applications of Neuroimaging to Alcoholism (ICANA-3)*. Yale University, New Haven, CT, USA. February 16-18.
- *Oberlin, B.G., **Dziedzic, M.**, Tran, S.M., Soeurt, C.M., Albrecht, D.S., Yoder, K.K., & Kareken, D.A. (2013). Beer flavor induces orbitofrontal BOLD activation and correlated striatal dopamine release in heavy drinkers. *3rd International Conference on Applications of Neuroimaging to Alcoholism (ICANA-3)*. Yale University, New Haven, CT, USA. February 16-18.
- *Dharmadhikari, S., Dydak, U., **Dziedzic, M.**, Romito, L., & Byrd K. (2013). Single voxel MEGA-edited GABA and short TE 1H MRS in hippocampus and other brain regions implicated in bruxism. *Proc. Intl. Soc. Mag. Reson. Med.*, 21, 4185-4185.
- *Oberlin, B.G., **Dziedzic, M.**, Tran, S.M., Soeurt, C.M., Albrecht, D.S., Yoder, K.K., & Kareken, D.A. (2013). Beer flavor induces orbitofrontal BOLD activation and correlated striatal dopamine release in heavy drinkers. *International Conference on Applications of Neuroimaging to Alcoholism*. New Haven, CT, Feb 17 2013.
- *Harezlak, J., **Dziedzic, M.**, Kudela, M., Oberlin, B., & Kareken, D. (2013). Associative cortex responses improve when accounting for the primary cortex HRF variability in fMRI. *Organization for Human Brain Mapping*. Seattle, WA. June 16-20.
- *Kareken, D.A., **Dziedzic, M.**, Oberlin, B.G., & Eiler, W.J. II. (2013). The brain response to oral sucrose stimulation: association with recent drinking. *Alcoholism: Clinical and Experimental Research*. 37, Suppl(2), 214A.

- *Oberlin, B.G., **Dzemiczic, M.**, Tran, S.M., Soeurt, C.M., Albrecht, D.S., Yoder, & K.K., Kareken, D.A. (2013). Orbitofrontal activation to beer flavor in fMRI and correlations with flavor-induced striatal dopamine release. *Alcoholism: Clinical and Experimental Research*. 37, Suppl(2), 211A.
- *Cyders, M.A., **Dzemiczic, M.**, Eiler, W.J., Coskunpinar, A., Karyadi, K., & Kareken, D.A. (2013). Emotions differentially modify olfactory responses to alcohol in social drinkers: fMRI evidence of emotion-based rash action. *Alcoholism: Clinical and Experimental Research*. 37, Suppl(2), 211A.
- *Oberlin, B.G., **Dzemiczic, M.**, Tran, S.M., Soeurt, C.M., Albrecht, D.S., O'Connor, S.J., Yoder, K.K., & Kareken, D.A. (2014). Lateralized nucleus accumbens dopamine release to beer self-administration in male heavy drinkers. *Alcoholism: Clinical and Experimental Research*. 38, Suppl(1), 237A.
- *Eiler, W.J.A., **Dzemiczic, M.**, Case, K.R., Soeurt, C.M., O'Connor, S.J., Considine, R.V., & Kareken, D.A. (2014). The aperitif effect: alcohol's effects on the brain's response to food aromas. *Alcoholism: Clinical and Experimental Research*. 38, Suppl(1), 236A.
- *Albrecht, D.S., Oberlin, B.G., **Dzemiczic, M.**, Herring, C.M., Walters, J.W., Hile, K.L., O'Connor, S.J., Kareken, D.A., & Yoder, K.K. (2014). Impulsive choice and alcohol-induced dopamine release in alcoholics and social drinkers. *Alcoholism: Clinical and Experimental Research*. 38, Suppl(1), 237A.
- *Yoder, K.K., Albrecht, D.S., **Dzemiczic, M.**, Herring, C.M., Walters, J.W., Hile, K.L., O'Connor, S.J., & Kareken, D.A. (2014). Differential dopamine responses to expected IV alcohol in nontreatment-seeking alcoholics and social drinkers. *Alcoholism: Clinical and Experimental Research*. 38, Suppl(1), 238A.
- *Oberlin, B.G., **Dzemiczic, M.**, Chumin, E.J., Myint, T.A., Soeurt, C.M., O'Connor, S.J., Yoder, K.K., & Kareken, D.A. (2015). Alcohol flavor cue-prediction error induces dopamine release in male heavy drinkers. *Alcoholism: Clinical and Experimental Research*. 39, Suppl(1), 177A.
- *Weafer, J., **Dzemiczic, M.**, Eiler, W., Oberlin, B.G., & Kareken, D.A. (2015). Brain activation during performance of an inhibitory control task in individuals with impaired control over drinking. *Alcoholism: Clinical and Experimental Research*. 39, Suppl(1), 150A.
- *Morgan, R.C., Acton, A.J., Armstrong, C.L.H., Eiler, W.J.A., Case, K.R., Soeurt, C.M., **Dzemiczic, M.**, Kareken, D.A., Mattes, R.D., & Considine, R.V. (2015). Ghrelin is not related to hunger or calories consumed at breakfast in lean or obese women. *Annual Scientific Meeting of the Obesity Society*, Los Angeles, CA, USA. November 2-6.
- *Lee, H., Acton, A.J., Armstrong, C.L.H., Eiler, W.J.A., Soeurt, C.M., **Dzemiczic, M.**, Kareken, D.A., Mather, K.J., & Considine, R.V. (2016). Hunger and ghrelin before and after breakfast in lean or obese women. *98th Annual Meeting of the Endocrine Society*, Boston, MA, USA. April 1-4.
- *Holloway, C., Ai, H., **Dzemiczic, M.**, Mendonca, M., Nakshatri, H., & Stantz, K. (2016). Influence of anti-angiogenic therapy on the prevalence of breast cancer stem cells. *Cancer*

Research. 76, Suppl(14), 4227. AACR Annual Meeting on Bioinformatics and Systems Biology. New Orleans, LA, USA. Apr 16-20.

*Chumin, E.J., Contreras, J.A., **Dziedzic, M.**, Halcomb, M.E., Goni, J., & Yoder, K.K. (2016). Differential structural connectivity in non-treatment seeking alcoholics. *Alcoholism: Clinical and Experimental Research*. 40, Suppl(1), 219A.

*Halcomb, M., Chumin, E., Contreras, J., Goni, J., **Dziedzic, M.**, & Yoder, K. (2016). Altered within- and between network functional connectivity as a function of drinking status. *Alcoholism: Clinical and Experimental Research*. 40, Suppl(1), 219A.

*Kareken, D.A., **Dziedzic, M.**, Oberlin, B.G., Eiler, W.J.A., Carron, C.R., Soeurt, C.M., Plawecki, M., Grahame, N.J., & O'Connor, S.J. (2016) Stimuli experimentally associated with alcohol intoxication engage an executive fronto-parietal network. *Alcoholism: Clinical and Experimental Research*. 40, Suppl(1), 217A.

*Weafer, J, **Dziedzic, M.**, Gorka, S., Kareken, D., Phan, K., & deWit, H. (2016). Disinhibition and risk for drug abuse: A problem of impaired control or heightened drug reward sensitivity? *Alcoholism: Clinical and Experimental Research*. 40, Suppl(1), 315A.

*Kudela, M., **Dziedzic, M.**, Oberlin, B., Goñi, J., Kareken, D., & Harezlak, J. (2016). Model-free estimation of task-based dynamic functional connectivity and its confidence intervals. *Organization for Human Brain Mapping*; Geneva, Switzerland. June 25-29.

*Kudela, M., **Dziedzic, M.**, Oberlin, B.G., Kareken, D.A., Goñi, J., & Harezlak, J. (2016). Model-free estimation of task-based, dynamic functional connectivity and its confidence intervals. *The 2016 Joint Statistical Meetings*. Chicago, USA. Jul 30-Aug 4.

*Kudela, M., **Dziedzic, M.**, Oberlin, B.G., Goñi, J., Kareken, D.A., & Harezlak, J. (2016). Task-based differentiation of functional networks during a gustatory task. *Resting State and Brain Connectivity*. Vienna, Austria. Sep 21-23.

*Karas, M., **Dziedzic, M.**, Goñi, J., Oberlin, B.G., Kareken, D.A., & Harezlak, J. (2016). Association of structural brain imaging markers with alcoholism incorporating structural connectivity information: a regularized statistical approach. *Society for Neuroscience*, 46th Annual Meeting. San Diego. Nov 12-16.

*McGuire, R.J., Qing, K.Y., **Dziedzic, M.**, Eiler, W.J.A. II, Soeurt, C.M., Considine, R.V., & Kareken, D.A. (2017). Inclusion of sensor information using peak detection from olfactory inhalation data improves olfactory responses in BOLD fMRI. *Greater Indiana Society for Neuroscience Annual Meeting*, Indianapolis, IN. Mar 31.

*Viswanathan, V., **Dziedzic, M.**, Kareken, D.A., & Goñi, J. (2017). Dynamic Multivariate Kurtosis as a Measure of Temporal Variations in Task-Rest Functional Connectivity, with Applications to Family History of Alcoholism. *Greater Indiana Society for Neuroscience Annual Meeting*, Indianapolis, IN. Mar 31.

*Chumin, E.J., **Dziedzic, M.**, Halcomb, M.E., Durazzo, T.C., Goñi, J., & Yoder, K.K. (2017). Potential additive adverse effects of cigarette and alcohol dependence on white matter microstructure. *Research Society on Alcoholism Scientific Meeting*. Denver, Colorado USA, June 24-28 (Accepted).

*Halcomb, M.E., **Dzemic, M.**, Goñi, J., Chumin, J., & Yoder, K.K. (2017). Seed-based analysis of resting state functional connectivity in nontreatment seeking alcoholics. *Research Society on Alcoholism Scientific Meeting*. Denver, Colorado USA, June 24-28 (Accepted).

*Yoder, K.K., Mustafi, S.M., Chumin, E.J., Hile, K. L., Halcomb, M.E., Plawecki, M.H., O'Connor, S.J., **Dzemic, M.**, & Wu, Y.C. (2017). Effects of acute alcohol intoxication on neurite orientation dispersion and density indices. *Research Society on Alcoholism Scientific Meeting*. Denver, Colorado USA, June 24-28 (Accepted).

*Kudela, M., Goñi, J., **Dzemic, M.**, Oberlin, B.G., Kareken, D.A., & Harezlak, J. (2017). Gustatory task-based functional network differentiation via modularity analysis. *Organization for Human Brain Mapping*. Vancouver, Canada. June 25-29. (Accepted).

*Karas, M., Brzyski, D., Goñi, J., Kareken, D.A., Randolph, T., **Dzemic, M.**, & Harezlak, J. (2017). Brain Connectivity-Informed Regularization Methods for Regression. *Organization for Human Brain Mapping*. Vancouver, Canada. June 25-29. (Accepted).

*Chumin, E.J., **Dzemic, M.**, Goñi, J., Halcomb, M.E., & Yoder, K.K. (2017). Structural network segregation and integration in cigarette dependence independent of comorbid alcoholism. *International School and Conference on Network Science (NetSci2017)*, Indianapolis, IN. Jun 21-23. (Accepted).

*Contreras, J., Fortunato, S., Avena-Koenigsberger, A., Risacher, S.L., West, J.D., Tallman, E., McDonald, B.C., Farlow, M.R., Apostolova, L.G., Goñi, J., **Dzemic, M.**, Sporns, O., & Saykin, A.J. (2017). Resting state network modularity along the prodromal late onset Alzheimer's disease continuum. *International School and Conference on Network Science (NetSci2017)*, Indianapolis, IN. Jun 21-23. (Accepted).

*Karas, M., Brzyski, D., Goñi, J., Kareken, D.A., Randolph, T., **Dzemic, M.**, & Harezlak, J. (2017). Graph-Informed Regularization Methods for Regression. *International School and Conference on Network Science (NetSci2017)*, Indianapolis, IN. Jun 21-23. (Accepted).

Original Articles: Non-Refereed

Karas, M., Brzyski, D., **Dzemic, M.**, Goñi, J., Kareken, D.A., Randolph, T.D., & Harezlak, J. (2017). Brain connectivity-informed regularization methods for regression. *bioRxiv preprint first posted online Mar. 18, 2017*. <http://dx.doi.org/10.1101/117945>. Invited paper for a special issue of Statistics in Biosciences.