

## List Of 2015 Reports

ID#	Title, First Author, and Category	Status
<a href="#">221</a>	<p><b>Title:</b> Selective Membrane Disruption Mechanism of an Antibacterial <math>\gamma</math>-AApeptide Defined by Multi-Frequency EPR  <b>First Author:</b> Kaur, P., NHMFL, pk11c@my.fsu.edu  <b>PI:</b> Song, L., NHMFL, song@magnet.fsu.edu  <b>Category:</b> Biology  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 3 T  <b>UCGP:</b> <b>Yes</b> <b>VSP:</b> No <b>Submitted to</b> <i>Biophysical J.</i>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes, definitely</b>  <b>Director's Comments:</b> None</p>	Approved
<a href="#">393</a>	<p><b>Title:</b> Towards Increased Concentration Sensitivity for Continuous Wave EPR Investigations of Spin-Labeled Biological Macromolecules at High Fields  <b>First Author:</b> Song, L., NHMFL, song@magnet.fsu.edu  <b>PI:</b> Fanucci, G.E., University of Florida, Chemistry, fanucci@chem.ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 3 T  <b>UCGP:</b> <b>Yes</b> <b>VSP:</b> No <b>Submitted to</b> <i>J. Magn. Reson.</i>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes, definitely</b>  <b>Director's Comments:</b> None</p>	Approved
<a href="#">431</a>	<p><b>Title:</b> Three-Dimensional MRM of the Drosophila Brain at High Resolution  <b>First Author:</b> Fernandez-Funez, P., NeurologyUF, pedro.fernandez@neurology.ufl.edu  <b>PI:</b> Fernandez-Funez, P., NeurologyUF, pedro.fernandez@neurology.ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 14 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in</b> <i>Scientific Reports (2015) 5 : 8920</i>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes</b>  <b>Director's Comments:</b> Recently published, high profile work</p>	Approved
<a href="#">6</a>	<p><b>Title:</b> Longitudinal Changes in Free-Water within the Substantia Nigra of Parkinson's Disease  <b>First Author:</b> Ofori, E., University of Florida, eofori@ufl.edu  <b>PI:</b> Vaillancourt, D.E., University of Florida, vcourt@ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 3 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in</b> <i>Brain 138/2322-2331</i>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes</b>  <b>Director's Comments:</b> published translational work showing long-term impacts of basic research in magnetic resonance technique development</p>	Approved
<a href="#">134</a>	<p><b>Title:</b> The Molecular Basis of the Rous Sarcoma Virus Capsid Tubular Assembly Probed by SsNMR  <b>First Author:</b> Jeon, J., University of Central Florida, Dept. of Physics, Jaekyun.Jeon@gmail.com  <b>PI:</b> Chen, B., University of Central Florida, Dept. of Physics, Bo.Chen@ucf.edu  <b>Category:</b> Biology  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes</b>  <b>Director's Comments:</b> None</p>	Approved
<a href="#">207</a>	<p><b>Title:</b> Characterization of a Novel Oxylipin Defense Signal in Maize  <b>First Author:</b> Christensen, S., USDA-CMAVE, shawn.christensen@ars.usda.gov  <b>PI:</b> Christensen, S., USDA-CMAVE, shawn.christensen@ars.usda.gov  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 14.1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in</b> <i>P. Natl. Acad. Sci. U.S.A. 112/36/11407-11412</i>  <b>Sign. Achievement:</b> <b>Yes</b>  <b>Director's Recommendation:</b> <b>Yes</b>  <b>Director's Comments:</b> published, high profile work</p>	Approved
	<p><b>Title:</b> Effect of Gardening on Brain Activation</p>	

<a href="#">220</a>	<p><b>First Author:</b> Penman, C., University of Florida, Environmental Horticulture, christyjohns001@gmail.com  <b>PI:</b> Guy, C.L., University of Florida, Environmental Horticulture, clguy@ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 3 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">5</a>	<p><b>Title:</b> Free-Water Imaging in Parkinson's Disease and Atypical Parkinsonism  <b>First Author:</b> Planetta, P.J., University of Florida, planetta@ufl.edu  <b>PI:</b> Vaillancourt, D.E., University of Florida, Applied Physiology and Kinesiology, vcourt@ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 3 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Accepted by Brain Pending</b>  <b>Sign. Achievement:</b> Yes  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">144</a>	<p><b>Title:</b> Dissociating mTBI and PTSD Brain Activity at Rest  <b>First Author:</b> Gravano, J.T., University of Florida, Clinical &amp; Health Psychology, jtgravano@php.ufl.edu  <b>PI:</b> Perlstein, W.M., University of Florida, Clinical &amp; Health Psychology, wmp@php.ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 3 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">161</a>	<p><b>Title:</b> Sodium MRI of Glioma in Animal Models at Ultrahigh Magnetic Fields  <b>First Author:</b> Schepkin, V.D., NHMFL/FSU, schepkin@magnet.fsu.edu  <b>PI:</b> Schepkin, V.D., NHMFL/FSU, schepkin@magnet.fsu.edu  <b>Category:</b> Biology  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in NMR in Biomed Jul 15. doi: 10.1002/nbm.3347 (invited review article)</b>  <b>Sign. Achievement:</b> Yes  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">195</a>	<p><b>Title:</b> MR Monitoring of Hindlimb Muscles in Cachexic Mice  <b>First Author:</b> Vohra, R., UF, Physiology and Functional Genomics, ravneet@ufl.edu  <b>PI:</b> Walter, G.A., UF, Physiology and Functional Genomics, glennw@phys.med.ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 4.7 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">11</a>	<p><b>Title:</b> Characterization of Brain Morphology in Mucopolysaccharidosis Type IIIB Affected Mice Using Magnetic Resonance Imaging  <b>First Author:</b> Gilkes, J.A., University of Florida, Medicine, janine.gilkes@medicine.ufl.edu  <b>PI:</b> Heldermon, C.D., University of Florida, Medicine, coy.heldermon@medicine.ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 4.7 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
<a href="#">47</a>	<p><b>Title:</b> White Matter Lateralization of the Parietofrontal Orienting Network as a Biomarker Predicting Degree of Attention Impairment Following Traumatic Brain Injury: Insights from Diffusion MRI Tractography  <b>First Author:</b> Hill-Jarrett, T., University of Florida, Clinical &amp; Health Psychology, thilljarrett@php.ufl.edu  <b>PI:</b> Perlstein, W.M., University of Florida, Clinical &amp; Health Psychology, wmp@php.ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 3 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No</p>	Approved

	<p><b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	
<a href="#">52</a>	<p><b>Title:</b> Dissociating Functional Brain Activity in Blast-Related Traumatic Brain Injury and Post-Traumatic Stress Disorder  <b>First Author:</b> Perlstein, W.M., University of Florida, Clinical and Health Psychology, wmp@phhp.ufl.edu  <b>PI:</b> Perlstein, W.M., University of Florida, Clinical and Health Psychology, wmp@phhp.ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 3 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">99</a>	<p><b>Title:</b> EPR Studies of Protein-Protein Interactions Involved in the Assembly of Bacterial Nanoinjectors  <b>First Author:</b> De Guzman, R.N., University of Kansas, rdguzman@ku.edu  <b>PI:</b> De Guzman, R.N., University of Kansas, rdguzman@ku.edu  <b>Category:</b> Biology  <b>Facility:</b> EMR Facility  <b>Highest Measured Field:</b> 1 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">122</a>	<p><b>Title:</b> Tetrameric Structural Heterogeneity Revealed by Dynamic Short Hydrogen Bonds in the Histidine Tetrad of the M2 Proton Channel  <b>First Author:</b> Miao, Y., FSU, Chemistry and Biochemistry/NHMFL, miao@magnet.fsu.edu  <b>PI:</b> Cross, T.A., FSU, Chemistry and Biochemistry/NHMFL, cross@magnet.fsu.edu  <b>Category:</b> Biology  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 14.1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in Structure vol 23, page 2300-2308</b>  <b>Sign. Achievement:</b> No  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">227</a>	<p><b>Title:</b> Determining the Embryonic Origin of Primate Encephalization via High Resolution MRI  <b>First Author:</b> Halley, A.C., University of California, Berkeley, Anthropology, drewhalley@berkeley.edu  <b>PI:</b> Deacon, T.W., University of California, Berkeley, Anthropology, deacon@berkeley.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">232</a>	<p><b>Title:</b> Intra-arterial Injected Adipose Derived Stem Cells for Stroke Therapy Cause Lacunar Strokes in Rats  <b>First Author:</b> Rosenberg, J., NHMFL, CIMAR, rosenberg@magnet.fsu.edu  <b>PI:</b> Grant, S.C., FSU, Chemical and Biomedical Engineering, grant@magnet.fsu.edu  <b>Category:</b> Biology  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21.1 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
<a href="#">233</a>	<p><b>Title:</b> Solid-State NMR Studies of the Effect of Hydrophobic Mismatch on the Structure of Polytopic Membrane Proteins  <b>First Author:</b> Ward, M.E., University of Guelph, Physics, mward01@uoguelph.ca  <b>PI:</b> Ladizhansky, V., University of Guelph, Physics, vladizha@uoguelph.ca  <b>Category:</b> Biology  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21.1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation: No</b>  <b>Director's Comments: None</b></p>	Approved
	<p><b>Title:</b> Small World Network Analysis of DTI-based Connectivity in Isolated Neural Ganglia  <b>First Author:</b> Ould Ismail, A., Florida State University, Chemical &amp; Biomedical Engineering, aoo12@my.fsu.edu  <b>PI:</b> Grant, S.C., Florida State University, Chemical &amp; Biomedical Engineering, grant@magnet.fsu.edu  <b>Category:</b> Biology</p>	

<a href="#">234</a>	<b>Facility:</b> NMR Facility <b>Highest Measured Field:</b> 11.75 T <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">249</a>	<b>Title:</b> Structural Study of the Full-Length M2 Proton Channel in Membrane Bilayers <b>First Author:</b> Tang, T., NHMFL; FSU, Chemistry, tctangb15@gmail.com <b>PI:</b> Cross, T.A., NHMFL; FSU, Chemistry, cross@magnet.fsu.edu <b>Category:</b> Biology <b>Facility:</b> NMR Facility <b>Highest Measured Field:</b> 16.9 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">276</a>	<b>Title:</b> Membrane Interaction of Virus-Mimicking Polymer Molecular Brushes Studied by Multi-Frequency EPR <b>First Author:</b> Hyat, Z., NHMFL, zh13c@my.fsu.edu <b>PI:</b> Liang, H., Texas Tech Uni, hjliang.ttuhsu@gmail.com <b>Category:</b> Biology <b>Facility:</b> EMR Facility <b>Highest Measured Field:</b> 3 T <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">289</a>	<b>Title:</b> Immune Responses to Autologous Schwann Cell Grafts in a Minipig Spinal Cord Injury Hemiconfusion Model <b>First Author:</b> Santamaria, A.J., University of Miami, The Miami project to cure Paralysis, ASantamaria@med.miami.edu <b>PI:</b> Guest, J.D, University of Miami, Neurological Surgery, JGuest@med.miami.edu <b>Category:</b> Biology <b>Facility:</b> NMR Facility <b>Highest Measured Field:</b> 11.75 T <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">298</a>	<b>Title:</b> Chemically-Rich Structure and Dynamics in the Active Site of Tryptophan Synthase <b>First Author:</b> Caulkins, B., UC Riverside, Chemistry, bethany.caulkins@email.ucr.edu <b>PI:</b> Mueller, L.J., UC Riverside, Chemistry, leonard.mueller@ucr.edu <b>Category:</b> Biology <b>Facility:</b> NMR Facility <b>Highest Measured Field:</b> 21.1 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">340</a>	<b>Title:</b> Gold Covered Iron Oxide Nanoparticles as MRI Contrast Agents at 11.75 T <b>First Author:</b> Wi, L., NHMFL, CIAMR, samx5@vt.edu <b>PI:</b> Rosenberg, J.T., NHMFL, CIMAR, rosenberg@magnet.fsu.edu <b>Category:</b> Biology <b>Facility:</b> NMR Facility <b>Highest Measured Field:</b> 11.75 T <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Not at this time <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">434</a>	<b>Title:</b> Characterizing Blood Brain Barrier Breakdown with Status Epilepticus Brain Injury <b>First Author:</b> Magdoom, K.N., Mechanical & Aerospace Engineering, mkulam@ufl.edu <b>PI:</b> Samtinoranont, M., Mechanical & Aerospace Engineering, msarnt@ufl.edu <b>Category:</b> Biology <b>Facility:</b> MBI-UF AMRIS <b>Highest Measured Field:</b> 17.6 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved

437	<p><b>Title:</b> Effects of PDE5A Inhibition on Skeletal Muscle 1H2O T2 after Exercise in Dystrophic Mice  <b>First Author:</b> Batra, A., University of Florida, Physical Therapy, abhinandanbatra@phhp.ufl.edu  <b>PI:</b> Forbes, S.C., University of Florida, Physical Therapy, scforbes@ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 4.7 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
446	<p><b>Title:</b> In vivo Detection and Quantification of Protein Clearance using 13C-filtered MRI &amp; MRS  <b>First Author:</b> Prosser, R.S., University of Toronto, Chemistry, scott.prosser@utoronto.ca  <b>PI:</b> Prosser, R.S., University of Toronto, Chemistry, scott.prosser@utoronto.ca  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 11.8 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
447	<p><b>Title:</b> Development of a Perfusion System for MR Microscopy of Small Samples  <b>First Author:</b> Flint, J.J., UF, Neuroscience, jflint@mbi.ufl.edu  <b>PI:</b> Blackband, S.J., UF, Neuroscience, blacki@mbi.ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 14.1 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Published in Science Reports 5:18095 (2015)</b>  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
448	<p><b>Title:</b> MR Microscopy of Aplysia Neurons with Direct Histological Correlation  <b>First Author:</b> Lee, C.H., UF, Neuroscience, chlee@mbi.ufl.edu  <b>PI:</b> Blackband, S.J., UF, Neuroscience, blackie@mbi.ufl.edu  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 14.1 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Published in Science Reports 10;5:11147 (2015).</b>  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
449	<p><b>Title:</b> MR Microscopy of a Mouse Model of Recessive Polycystic Kidney Disease  <b>First Author:</b> Lee, C.H., UF, Neuroscience, chlee@mbi.ufl.edu  <b>PI:</b> Guay-Woodford, L., University of Alabama, Genetics, LGuaywoo@childrensnational.org  <b>Category:</b> Biology  <b>Facility:</b> MBI-UF AMRIS  <b>Highest Measured Field:</b> 14.1 T  <b>UCGP:</b> No <b>VSP:</b> No <b>Published in Physiological Reports 3(8) (2015)</b>  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
452	<p><b>Title:</b> Metabolic Assessments of Migraine Using 1H Spectroscopy at Ultra-High Fields  <b>First Author:</b> Abad, N., Florida State University, Chemical &amp; Biomedical Engineering, na10@my.fsu.edu  <b>PI:</b> Harrington, M.G., Huntington Medical Research Institutes, Neurosciences, mghworks@hmri.org  <b>Category:</b> Biology  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21.1 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> Yes  <b>Director's Recommendation:</b> No  <b>Director's Comments:</b> None</p>	Approved
453	<p><b>Title:</b> Quantitative Spectroscopy of Sodium during Migraine Progression  <b>First Author:</b> Abad, N., Florida State University, Chemical &amp; Biomedical Engineering, na10@my.fsu.edu  <b>PI:</b> Harrington, M.G., Huntington Medical Research Institutes, Neurosciences, mghworks@hmri.org  <b>Category:</b> Biology  <b>Facility:</b> NMR Facility  <b>Highest Measured Field:</b> 21.1 T  <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation  <b>Sign. Achievement:</b> No  <b>Director's Recommendation:</b> No</p>	Approved

	<b>Director's Comments:</b> None	
<a href="#">491</a>	<b>Title:</b> MRI Microscopy of Human Motor Neurons Progress Report <b>First Author:</b> Niederhut, D.N., University of California, Berkeley, Anthropology, dillon.niederhut@berkeley.edu <b>PI:</b> Deacon, T.D., University of California, Berkeley, Anthropology, deacon@berkeley.edu <b>Category:</b> Biology <b>Facility:</b> MBI-UF AMRIS <b>Highest Measured Field:</b> 17.6 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">493</a>	<b>Title:</b> Magnetic Field Measurement in Rat's Spinal Cord: A Study of Magnetic Anisotropy in White Matter <b>First Author:</b> Banan, G.B., University of Florida, Physics, guita.banan@ufl.com <b>PI:</b> Mareci, T.H., University of Florida, Biochemistry and Molecular Biology, thmareci@ufl.edu <b>Category:</b> Biology <b>Facility:</b> MBI-UF AMRIS <b>Highest Measured Field:</b> 17.6 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">505</a>	<b>Title:</b> Direct Visualization of Muscle Fibrosis and Mineralization Using MR Microscopy <b>First Author:</b> Vohra, R., University of Florida , Ravneet Vohra <b>PI:</b> Walter, G.A., University of Florida , Physiology, glennw@ufl.edu <b>Category:</b> Biology <b>Facility:</b> MBI-UF AMRIS <b>Highest Measured Field:</b> 17.6 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">507</a>	<b>Title:</b> Anatomy of the Goliath Grouper Skull <b>First Author:</b> Chapman, F., U Florida, School of Forest Resources and Conservation-Fisheries and Aquatic Sciences, fchapman@ufl.edu <b>PI:</b> Chapman, F., U Florida, School of Forest Resources and Conservation-Fisheries and Aquatic Sciences, fchapman@ufl.edu <b>Category:</b> Biology <b>Facility:</b> MBI-UF AMRIS <b>Highest Measured Field:</b> 17 T <b>UCGP:</b> No <b>VSP:</b> No <b>Publication Status:</b> Not at this time <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">508</a>	<b>Title:</b> Diffusion Tensor Imaging Analysis to Assess Stem Cell Therapy Efficacy in Traumatic Brain Injury <b>First Author:</b> Abad, N., Florida State University, Chemical & Biomedical Engineering, na10@my.fsu.edu <b>PI:</b> Grant, S.C., Florida State University, Chemical & Biomedical Engineering, grant@magnet.fsu.edu <b>Category:</b> Biology <b>Facility:</b> NMR Facility <b>Highest Measured Field:</b> 11.75 T <b>UCGP:</b> Yes <b>VSP:</b> No <b>Submitted to Neurotrauma</b> <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<a href="#">510</a>	<b>Title:</b> Quantitative Imaging of Sodium during Migraine Progression <b>First Author:</b> Abad, N., Florida State University, Chemical & Biomedical Engineering, na10@my.fsu.edu <b>PI:</b> Harrington, M.G., Huntington Medical Research Institutes, Neurosciences, mghworks@hmri.org <b>Category:</b> Biology <b>Facility:</b> NMR Facility <b>Highest Measured Field:</b> 21.1 T <b>UCGP:</b> Yes <b>VSP:</b> No <b>Publication Status:</b> Manuscript in preparation <b>Sign. Achievement:</b> No <b>Director's Recommendation:</b> No <b>Director's Comments:</b> None	Approved
<b>Total Reports: 39</b>		