List Of 2014 Reports

ID#	Title, First Author, and Category	Status
299	**Title:** In vivo Quantitative MR Spectroscopy Using Relaxation Enhancement: Unassigned Downfield Brain Metabolite Resonances at 21.1 T under Ischemic Conditions **First Author:** Roussel, T., Weizmann Institute of Science, Chemical Physics, tangi.roussel@weizmann.ac.il **PI:** Frydman, L., Weizmann Institute of Science, Chemical Physics, lucio.frydman@weizmann.ac.il **Category:** Biology **Facility:** NMR Facility **UCGP:** Yes **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes, definitely **Director's Comments:** None	Editing
301	**Title:** Resolving Cellular Specific Microarchitectures Using Double Pulsed Field Gradient Weighted, Relaxation-Enhanced Magnetic Resonance Spectroscopy **First Author:** Shemesh, N., Champalimaud Centre for the Unknown, Champalimaud Neuroscience Programme, nshemesh@gmail.com **PI:** Grant, S.C., Florida State University, Chemical & Biomedical Engineering, grant@magnet.fsu.edu **Category:** Biology **Facility:** NMR Facility **UCGP:** Yes **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
23	**Title:** MRI Reveals Brain Abnormalities in Drug-Naive Parkinson's Disease **First Author:** Planetta, PJ, University of Florida, Applied Physiology & Kinesiology, planetta@ufl.edu **PI:** Vaillancourt, David, University of Florida, Applied Physiology & Kinesiology, vcourt@ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Published in** Exercise and Sport Science Reviews 42/2/12-22 **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** published work showing sophisticated MRI techniques applied to understand brain biology	Editing
94	**Title:** In Situ Structural Studies of Anabaena Sensory Rhodopsin in the E.coli Inner Membrane **First Author:** Ward, ME, University of Guelph, Physics, mward01@uoguelph.ca **PI:** Ladizhansky, V, University of Guelph, Physics, vladizha@uoguelph.ca **Category:** Biology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Submitted to** Biophysical J. **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
381	**Title:** Three-dimensional MRM of the Drosophila brain at high resolution **First Author:** Fernandez-Funez, F, P, Neurology, pedro.fernandez@neurology.ufl.edu **PI:** Fernandez-Funez, F, P, Neurology, pedro.fernandez@neurology.ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Submitted to** Scientific Reports Pending revisions **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** Beautiful high resolution MRM of drosophila brain	Editing
427	**Title:** Tumor Resistance to Therapy and Sodium-Diffusion MRI **First Author:** Schepkin, V.D., NHMFL/FSU, CIMAR, schepkin@magnet.fsu.edu **PI:** Schepkin, V.D., NHMFL/FSU, CIMAR, schepkin@magnet.fsu.edu **Category:** Biology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Published in** USPN Patent 8,880,146 (Nov 4, 2014) **Sign. Achievement:** Yes **Director's Recommendation:** Yes **Director's Comments:** None	Editing
327	**Title:** Antibody-Mediated Mechanics on HIV-1 Envelope Protein gp41 at the Membrane Interface Defined by EPR Spectroscopy **First Author:** Kaur, P, NHMFL, pk11c@my.fsu.edu **PI:** Reinherz, L, Dana-Farber Cancer Institute, Ellis_Reinherz@dfci.harvard.edu **Category:** Biology **Facility:** EMR Facility	Editing

	UCGP: Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	
297	**Title:** Diffusion-Weighted Spatiotemporal Encoding Schemes in the Assessment of SPIO-Labeled Cell Therapy for Ischemic Stroke **First Author:** Rosenberg, J.T., NHMFL, CIMAR, rosenberg@magnet.fsu.edu **PI:** Grant, S.C., Florida State University, Chemical & Biomedical Engineering, grant@magnet.fsu.edu **Category:** Biology **Facility:** NMR Facility **UCGP:** Yes **VSP:** Yes **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation:** Yes **Director's Comments:** None	Editing
342	**Title:** Magnetic Resonance Imaging of Gadolinium-Filled Neurophilic Lipid Nanoparticles **First Author:** Tari, A.M., University of Florida, ana.tari@medicine.ufl.edu **PI:** Tari, A.M., University of Florida, ana.tari@medicine.ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
438	**Title:** MRI Microscopy of Human Motor Neurons Progress Report **First Author:** Deacon, T., University of California, Berkeley, deacon@berkeley.edu **PI:** Deacon, T., University of California, Berkeley, deacon@berkeley.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
441	**Title:** MR Microscopy of Healthy and Dystrophic Muscle Fibers **First Author:** Lee, CH, University of Florida , Neuroscience, chlee@mbi.ufl.edu **PI:** Walter, GA, University of Florida , Physiology, glennw@ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
447	**Title:** A Generic Gene Reporter for MR Microscopy **First Author:** Lee, CH, UF, Neuroscience, chlee@mbi.ufl.edu **PI:** Walter, GA, UF, Physiology, glennw@ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
470	**Title:** Investigation of the Internal Structures of the Brainstem and Cerebellum in Post-Mortem Brains with Surgical Fiber Dissection and Diffusion Tensor MRI **First Author:** Yagmurlu, K, UF, Neurosurgery, kaan_yagmur@yahoo.com **PI:** Rhoton, AL, UF, Neurology, rhoton@neurosurgery.ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** Yes **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
471	**Title:** Microsurface Coil MR Microscopy of Aplysia Neurons with Direct Histological Correlation **First Author:** Lee, CF, UF, Neuroscience, chlee@mbi.ufl.edu **PI:** Blackband, SJ, UF, Neuroscience, blackie@mbi.ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No**	Editing

	Director's Comments: None	
387	**Title:** Determining the Embryonic Origin of Primate Encephalization via High Resolution MRI **First Author:** Halley, AC, University of California, Berkeley, Anthropology, drewhalley@berkeley.edu **PI:** Deacon, TW, University of California, Berkeley, Anthropology, deacon@berkeley.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
403	**Title:** Magnetic Resonance and Optical Imaging as Biomarkers for Muscle Disease and Injury **First Author:** Chrzanowski, SM, University of Florida, Physiology and Functional Genomics, stevechrzanowski@ufl.edu **PI:** Walter, GA, University of Florida, Physiology and Functional Genomics, glennw@ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
409	**Title:** MR Characterization of Dystrophic Murine Models with different Genetic background **First Author:** Vohra, RV, University of Florida, Physiology and Functional Genomics, ravneet@uf.edu **PI:** Walter, GW, University of Florida, Physiology and Functional Genomics, glennw@ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
410	**Title:** Energy Balance in the Cold in Drosophila Melanogaster **First Author:** Williams, CM, University of California Berkeley, Integrative Biology, cmw@berkeley.edu **PI:** Hahn, DA, University of Florida, Entomology and Nematology, dahahn@ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
418	**Title:** Characterizing Blood Brain Barrier Breakdown with Status Epilepticus Brain Injury **First Author:** Sarntinoranont, M., University of Florida, msarnt@ufl.edu **PI:** Sarntinoranont, M., University of Florida, msarnt@ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
419	**Title:** 17.6T MR Microscopy of Movement Disorders as a Guide For Deep Brain Stimulation **First Author:** Hilliard, J., University of Florida, justin.hilliard@neurosurgery.ufl.edu **PI:** Hilliard, J., University of Florida, justin.hilliard@neurosurgery.ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
426	**Title:** MR Imaging of Traumatic Brain Injury in Animal Model at 21.1 T **First Author:** Schepkin, V.D., NHMFL/FSU, CIMAR, schepkin@magnet.fsu.edu **PI:** Levenson, C.W., FSU, College of Medicine, cathy.levenson@med.fsu.edu **Category:** Biology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
	Title: Structural Characterization of Transmembrane Protein Rhodanese YgaP by EPR **First Author:** Ling, S, University of Science and Technology of China, lsl924@mail.ustc.edu.cn **PI:** Tian, C, University of Science and Technology of China, cltian@ustc.edu.cn	

99	**Category:** Biology **Facility:** EMR Facility **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
116	**Title:** Interaction of the Amino-Proximal Domain of Prion Protein with Hemin Defined by EPR **First Author:** Ling, S, NHMFL, lsl924@mail.ustc.edu.cn **PI:** Song, L, NHMFL, song@magnet.fsu.edu **Category:** Biology **Facility:** EMR Facility **UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
141	**Title:** Tubular Assembly of Rous Sarcoma Virus Capsid Proteins Probed by SsNMR and TEM **First Author:** Jeon, J., University of Central Florida, Department of Physics, jaekyun.jeon@gmail.com **PI:** Chen, B., University of Central Florida, Department of Physics, Bo.Chen@ucf.edu **Category:** Biology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
254	**Title:** Thermosensitive Liposomal Gold Nanoparticles as Radiosensitizers for Pancreatic Cancer Therapy **First Author:** Agyare , E, Florida A&M University, eagyare@yahoo.com **PI:** Agyare , E, Florida A&M University, eagyare@yahoo.com **Category:** Biology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
287	**Title:** GFP-Transfected Autologous Schwann Cells are Rejected after Transplantation in the SCI Minipig Model **First Author:** Santamaria, A.J., University of Miami, Miller School of Medicine, asantamaria@med.miami.edu **PI:** Guest, J.D., University of Miami, Miller School of Medicine, jguest@med.miami.edu **Category:** Biology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
292	**Title:** Intracellular Labeling of Mouse Embryonic Stem Cell–Derived Neural Progenitor Aggregates with Micron-Sized Particles of Iron Oxide **First Author:** Sart, S., Florida State University, Chemical & Biomedical Engineering, sebastien.sart@gmail.com **PI:** Li, Y., Florida State University, Chemical & Biomedical Engineering, scgrant@fsu.edu **Category:** Biology **Facility:** NMR Facility **UCGP:** Yes **VSP:** No **Accepted by** Cytotherapy **Sign. Achievement: Yes** **Director's Recommendation: No** **Director's Comments:** None	Editing
52	**Title:** Characterization of Brain Morphology in Mucopolysaccharidosis Type IIIB Affected Mice Using Magnetic Resonance Imaging **First Author:** Gilkes, J, University of Florida, Medicine, Janine.Gilkes@medicine.ufl.edu **PI:** Heldermon, CD, University of Florida, Medicine, coy.heldermon@medicine.ufl.edu **Category:** Biology **Facility:** MBI-UF AMRIS **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
68	**Title:** Efficient Detection of Bound Potassium and Sodium in vivo Using TQTPPI Pulse Sequence **First Author:** Schepkin, V.D., NHMFL/FSU, CIMAR, schepkin@magnet.fsu.edu **PI:** Budinger, T.F., University of California, Berkeley/LBNL, Department of Bioengineering, tfbudinger@lbl.gov **Category:** Biology **Facility:** NMR Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation	Editing

	Sign. Achievement: Yes **Director's Recommendation: No** **Director's Comments:** None	
302	**Title:** Cryopreservation of Embryonic Stem Cell-Derived Multicellular Neural Aggregates Labeled with Micron-sized Particles of Iron Oxide for Magnetic Resonance Imaging **First Author:** Yan, Y., Florida State University, Chemical & Biomedical Engineering, yy12@my.fsu.edu **PI:** Li, Y., Florida State University, Chemical & Biomedical Engineering, scgrant@fsu.edu **Category:** Biology **Facility:** NMR Facility **UCGP:** Yes **VSP:** No **Accepted by** Biotechnology Progress **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Editing
Total Reports: 30		