# List Of 2016 Reports

| ID# | Title, First Author, and Category | Status |
|---|---|---|
| 101 | **Title:** Protein Conformation Determined in Native Cellular Environments<br>**First Author:** Costello, WN, UT Southwestern, Biophysics, whitney.costello@utsouthwestern.edu<br>**PI:** Frederick, KK, UT Southwestern, Biophysics, kendra.frederick@utsouthwestern.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 14 T<br>**UCGP:** No **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement:** No<br>**Director's Recommendation: Yes, definitely**<br>**Director's Comments:** None | Edited |
| 482 | **Title:** MR Microscopy of Single Mammalian Muscle Fibers and Nuclei Detection<br>**First Author:** Lee, CH, UF, Neuroscience, chlee@mbi.ufl.edu<br>**PI:** Blackband, SJ, UF, Neuroscience, sblackba@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 14.1 T<br>**UCGP:** No **VSP:** No **Published in** Sci Reports 7:39496 (2017).<br>**Sign. Achievement:** No<br>**Director's Recommendation: Yes**<br>**Director's Comments:** recently published work | Edited |
| 8 | **Title:** In vivo Imaging Reveals Impaired Connectivity Across Cortical and Subcortical Networks in a Mouse Model of DYT1 Dystonia<br>**First Author:** DeSimone, J.C., University of Florida, Applied Physiology, desimonej@ufl.edu<br>**PI:** Vaillancourt, D.E., University of Florida, Applied Physiology, vcourt@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 11 T<br>**UCGP:** No **VSP:** No **Published in** Neurobiology of Disease 95/35-45<br>**Sign. Achievement: Yes**<br>**Director's Recommendation: Yes**<br>**Director's Comments:** published in good journal | Edited |
| 503 | **Title:** DTI-Based Network Analysis of APP/PS1 Mouse Brains<br>**First Author:** Hike, DC, Florida State University, Chemical & Biomedical Engineering, dch08c@my.fsu.edu<br>**PI:** Grant, SC, Florida State University, Chemical & Biomedical Engineering, grant@magnet.fsu.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: Yes**<br>**Director's Comments:** None | Edited |
| 506 | **Title:** Pharmacokinetic Studies of PEGylated Therapeutics Using in vivo 13C-Filtered 1H Magnetic Resonance Spectroscopy<br>**First Author:** Hasabnis , A, University of Toronto, Chemistry, advait.hasabnis@mail.utoronto.ca<br>**PI:** Prosser, RS, University of Toronto, Chemistry, scott.prosser@utoronto.ca<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 11.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 9 | **Title:** Functional MRI of Disease Progression in Parkinson Disease and Atypical Parkinsonian Syndromes<br>**First Author:** Burciu, R.G., University of Florida, Applied Physiology, roxana.g.burciu@ufl.edu<br>**PI:** Vaillancourt, D.E., University of Florida, Applied Physiology, vcourt@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 3 T<br>**UCGP:** No **VSP:** No **Published in** American Academy of Neurology 87/709-717<br>**Sign. Achievement: Yes**<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 21 | | Edited |

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| | **Title:** High-Field (17.6 T) Diffusion Tensor Imaging Identifies Early Structural Changes in Huntington's Disease Tissues from Mice<br>**First Author:** Magin, R.L., University of Illinois at Chicago, Bioengineering, rmagin@uic.edu<br>**PI:** Magin, R.L., University of Illinois at Chicago, Bioengineering, rmagin@uic.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 17.6 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | |
| 26 | **Title:** DEER Analysis of BAK Oligomeric Pore<br>**First Author:** Mandal, T, Rosalind Franklin University of Medicine and Science, Biochemistry and Molecular Biology, Tirtha.Mandal@my.rfums.org<br>**PI:** Oh, KJ, Rosalind Franklin University of Medicine and Science, Biochemistry and Molecular Biology, kyoung.oh@rosalindfranklin.edu<br>**Category:** Biology<br>**Facility:** EMR Facility<br>**Highest Measured Field:** 9 T<br>**UCGP:** No **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 63 | **Title:** Anatomy of the Goliath Grouper Skull<br>**First Author:** Chapman, F, University of Florida, Fisheries, chapman@ufl.edu<br>**PI:** Chapman, F, University of Florida, Fisheries, chapman@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 17.6 T<br>**UCGP:** No **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 71 | **Title:** Maternal and Fetal Glucose Uptake Followed by Chemical Exchange Saturation Transfer Imaging (glucoCEST) on Pregnant Mice at 21.1T<br>**First Author:** Marovic, S, Weizmann Institute, Chemical Physics, stefan.markovic@weizmann.ac.il<br>**PI:** Frydman, L, Weizmann Institute, Chemical Physics, frydman@magnet.fsu.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement: Yes**<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 72 | **Title:** Effects of Combination Biologics in a Primate Model of High Cervical Hemi-Contusion<br>**First Author:** Santamaria, A.J., University of Miami, TheMiami Project to Cure Paralysis, ASantamaria@med.miami.edu<br>**PI:** Guest, J., University of Miami, Neurological Surgery and The Miami Project to Cure Paralysis, JGuest@med.miami.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 11.75 T<br>**UCGP:** No **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 485 | **Title:** MR Microscopy of Single Mammalian Cells at 900MHz<br>**First Author:** Flint, JJ, UF, Neurosscience, jflint@mbi.ufl.edu<br>**PI:** Blackband, SJ, UF, Neuroscience, sblackba@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 21.1 T<br>**UCGP: Yes** **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 486 | **Title:** Diffusion Functional MR Microscopy (DfMRM):- Towards the Cellular Level.<br>**First Author:** Flint, JJ, UF, Neuroscience, jflint@mbi.ufl.edu<br>**PI:** Flint, JJ, UF, Neuroscience, jflint@mbi.ufl.edu | Edited |

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| | **Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 14.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | |
| 496 | **Title:** Consumer Judgment<br>**First Author:** Lighthall, NR, University of Central Florida, Psychology, nichole.lighthall@ucf.edu<br>**PI:** Lighthall, NR, University of Central Florida, Psychology, nichole.lighthall@ucf.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 3 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 499 | **Title:** Lipid Saturation Profile in the Dystrophic Muscle and Serum<br>**First Author:** Lee-McMullen , B, University of Florida , Physiology, leeba@stanford.edu<br>**PI:** Walter, GA, University of Florida , Physiology, glennw@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 14 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 500 | **Title:** MR Biomarkers of Disease Progression and Response to Gene Therapy in a Mouse Model of Pompe Disease<br>**First Author:** Baligand, C, Leiden University Medical Center, Radiology, C.A.J.Baligand@lumc.nl<br>**PI:** Baligand, C, Leiden University Medical Center, Radiology, C.A.J.Baligand@lumc.nl<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 11 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 501 | **Title:** The Role of Sarcolipin in Skeletal Muscle Metabolism as Determined by 31P and 1H NMR<br>**First Author:** Periasamy, M, Sanford Burnham Prebys Medical Discovery Institute, mperiasamy@sbpdiscovery.org<br>**PI:** Periasamy, M, Sanford Burnham Prebys Medical Discovery Institute, mperiasamy@sbpdiscovery.org<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 11 T<br>**UCGP:** No **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 502 | **Title:** Structural Connectivity Within Neural Ganglia: A Default Small-World Network<br>**First Author:** Ould Ismail, AAO, Florida State University, Chemical & Biomedical Engineering, aoo12@my.fsu.edu<br>**PI:** Grant, SC, Florida State University, Chemical & Biomedical Engineering, grant@magnet.fsu.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 11.75 T<br>**UCGP: Yes** **VSP:** No **Published in** Neuroscience 337, 276-284<br>**Sign. Achievement: Yes**<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 119 | **Title:** The First Observation of 17O MRI in Normal Rats at 21.1 T<br>**First Author:** Schepkin, V.D., NHMFL/FSU, schepkin@magnet.fsu.edu<br>**PI:** Schepkin, V.D., NHMFL/FSU, schepkin@magnet.fsu.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement: Yes** | Edited |

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| | **Director's Recommendation: No**<br>**Director's Comments:** None | |
| 120 | **Title:** Comparison of Sodium and Potassium Binding Using Triple Quantum Methods at 21.1 T<br>**First Author:** Schepkin, V.D., NHMFL/FSU, schepkin@magnet.fsu.edu<br>**PI:** Budinger, T.F., Lawrence Berkeley National Laboratory, tfbudinger@lbl.gov<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** No **VSP:** No **Submitted to** NMR in Biomedicine<br>**Sign. Achievement: Yes**<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 121 | **Title:** In Vivo Phosphorous MR in Rat Head Using 31P-1H Volume Coil Assembly at 21.1 T<br>**First Author:** Schepkin, V.D., NHMFL/FSU, schepkin@magnet.fsu.edu<br>**PI:** Sherry, A.D., UT SW Medical Center, sherry@utdallas.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 169 | **Title:** Protein-Protein Interactions Involved in the Assembly of Bacterial Nanoinjectors Defined by EPR Spectroscopy<br>**First Author:** De Guzman, R.N., University of Kansas, Molecular Biosciences, rdguzman@ku.edu<br>**PI:** De Guzman, R.N., University of Kansas, Molecular Biosciences, rdguzman@ku.edu<br>**Category:** Biology<br>**Facility:** EMR Facility<br>**Highest Measured Field:** 3.5 T<br>**UCGP: Yes** **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 172 | **Title:** NMR Compatible Bioreactor with a Three Dimensional Cell Culture on Chip- Application of 23Na Triple Quantum Filtered NMR and MRI/S Methods<br>**First Author:** Gottwald, E, Karlsruhe Institute of Technology, Germany, Institute for Biological Interfaces 5, eric.gottwald@kit.edu<br>**PI:** Gottwald, E, Karlsruhe Institute of Technology, Germany, Institute for Biological Interfaces 5, eric.gottwald@kit.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** No **VSP: Yes** **Publication Status:** Not at this time<br>**Sign. Achievement: Yes**<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 225 | **Title:** Characterizing Blood Brain Barrier Breakdown with Status Epilepticus Brain Injury<br>**First Author:** Sarntinoranont, M, University of Florida, Mechanical & Aerospace, msarnt@ufl.edu<br>**PI:** Sarntinoranont, M, University of Florida, Mechanical & Aerospace, msarnt@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 17.6 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 272 | **Title:** Characterization of p53 Modforms by Top-Down Mass Spectrometry at 21T<br>**First Author:** DeHart, C.J., Northwestern University, National Resource for Translational and Developmental Proteomics, caroline.dehart@northwestern.edu<br>**PI:** Kelleher, N.L., Northwestern University, National Resource for Translational and Developmental Proteomics, n-kelleher@northwestern.edu<br>**Category:** Biology<br>**Facility:** ICR Facility<br>**Highest Measured Field:** 21 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement: Yes**<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
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| 287 | **Title:** Distinguishing Neuronal from Astrocytic Subcellular Microstructures Using in vivo Double Diffusion Encoded 1H MRS at 21.1 T<br>**First Author:** Shemesh, N, Champalimaud Center of the Unknown, Neuroscience Programme, noam.shemesh@neuro.fchampalimaud.org<br>**PI:** Frydman, L, Weizmann Institute, frydmanlucio@gmail.com<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** Yes **VSP:** Yes **Submitted to** NeuroImage<br>**Sign. Achievement:** Yes<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 308 | **Title:** Application of Temperature Sensitive Liposomes as a Diagnostic Tool in the Non-Invasive Tracking of Pancreatic Cancer Tumors<br>**First Author:** Affram, K, FAMU, Department of Pharmacy, kevafframero@gmail.com<br>**PI:** Agyare, E, FAMU, Department of Pharmacy, edward.agyare@famu.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 310 | **Title:** Aggregate-Derived Human Mesenchymal Stem Cell Improves Post-transplantation Cell Survival and Function Recovery in Rats MCAO Stroke Model<br>**First Author:** Yuan, X.G., FAMU-FSU College of Engineering, Chemical and Biomedical Engineering, xy13b@my.fsu.edu<br>**PI:** Ma, T., FAMU-FSU College of Engineering, Chemical and Biomedical Engineering, tma@fsu.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 378 | **Title:** Metabolic Assessment of a Migraine Model using Relaxation-Enhanced 1H Spectroscopy at Ultra-High Field<br>**First Author:** Abad, N, Florida State University, Chemical & Biomedical Engineering, na10@my.fsu.edu<br>**PI:** Harrington, MG, Huntington Medical Research Institutes, Neurosciences, mghworks@hmri.org<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** Yes **VSP:** No **Submitted to** Magnet. Reson. Med.<br>**Sign. Achievement:** Yes<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 379 | **Title:** Dynamic Quantitative Imaging of Sodium in a Rodent Migraine Model at 21.1 T<br>**First Author:** Abad, N, Florida State University, Chemical & Biomedical Engineering, na10@my.fsu.edu<br>**PI:** Harrington, MG, Huntington Medical Research Institutes, Neurosciences, mghworks@hmri.org<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** Yes<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 380 | **Title:** Electrical Conductivity Mapping at 21.1 T<br>**First Author:** Amouzandeh, G, Florida State University, Physics, ga13d@my.fsu.edu<br>**PI:** Grant, SC, Florida State University, Chemical & Biomedical Engineering, grant@magnet.fsu.edu<br>**Category:** Biology<br>**Facility:** NMR Facility<br>**Highest Measured Field:** 21.1 T<br>**UCGP:** Yes **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 391 | **Title:** Characterization of Brain Morphology in Mucopolysaccharidosis Type IIIB Affected Mice Using Magnetic Resonance Imaging<br>**First Author:** Gilkes, J, UF, jgilkes@gmail.com | Edited |

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| | **PI:** Heldermon, CD, UF, coy.heldermon@medicine.ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 4.7 T<br>**UCGP:** Yes **VSP:** No **Publication Status:** Not at this time<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | |
| 395 | **Title:** Exposure to Excess Maternal Cortisol in Late-Gestation Prevents the Normal Metabolic Transition of the Heart at Birth<br>**First Author:** Walejko, JW, University of Florida, Biochemistry & Molecular Biology, jwalejko@ufl.edu<br>**PI:** Keller-Wood, MKW, University of Florida, Pharmacodynamics, kellerwd@cop.ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 413 | **Title:** Effects of Propionate on Pyruvate Dehydrogenase and Anaplerotic Flux in Mouse Hearts<br>**First Author:** Merritt, ME, University of Florida, Department of Biochem. and Mol. Bio., matthewmerritt@ufl.edu<br>**PI:** Merritt, ME, University of Florida, Department of Biochem. and Mol. Bio., matthewmerritt@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 14.1 T<br>**UCGP:** No **VSP:** No **Submitted to** American Journal of Physiology: Heart and Circulation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 414 | **Title:** The Southeastern Center for Integrated Metabolomics<br>**First Author:** Merritt, ME, University of Florida, Bioch. and Mol. Biol., matthewmerritt@ufl.edu<br>**PI:** Merritt, ME, University of Florida, Bioch. and Mol. Biol., matthewmerritt@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 14.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 426 | **Title:** Rich Club Topology Distinguishes Short and Prolonged Functional Network Changes Caused by Potent 'Bath Salt' Drug<br>**First Author:** Febo, M, University of Florida, Psychiatry, febo@ufl.edu<br>**PI:** Febo, M, University of Florida, Psychiatry, febo@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 4.7 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 427 | **Title:** Canonical Interferon-gamma Signaling Promotes Nigrostriatal Degeneration and Increases In Vivo Brain Free Water<br>**First Author:** Febo, M, University of Florida, Psychiatry, febo@ufl.edu<br>**PI:** Golde, TE, University of Florida, Neuroscience, febo@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 11.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 428 | **Title:** In vivo Structural Abnormalities and Increased Free Water in Mice Showing Increased A 42 Accumulation<br>**First Author:** Colon-Perez, LM, University of Florida, Psychiatry, lcolon@ufl.edu<br>**PI:** Golde, TE, University of Florida, Neuroscience, febo@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 11.1 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No | Edited |

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| | **Director's Recommendation: No**<br>**Director's Comments:** None | |
| 437 | **Title:** Effect of Gardening on Brain Activation<br>**First Author:** Penman, C, University of Florida, Environmental Horticulture, christyjohns001@gmail.com<br>**PI:** Guy, C, University of Florida, Environmental Horticulture, clguy@ufl.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 3 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement:** No<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| 481 | **Title:** Spinal Cord MRI Water Diffusion Alterations are linked to Early Axonal Degeneration in the YFP, G93A-SOD1 Mice<br>**First Author:** Gatto, RG, University of Illinois At Chicago, Department of Anatomy and Cell Biology, rgatto@uic.edu<br>**PI:** Gatto, RG, University of Illinois At Chicago, Department of Anatomy and Cell Biology, rgatto@uic.edu<br>**Category:** Biology<br>**Facility:** MBI-UF AMRIS<br>**Highest Measured Field:** 17.6 T<br>**UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation<br>**Sign. Achievement: Yes**<br>**Director's Recommendation: No**<br>**Director's Comments:** None | Edited |
| **Total Reports: 40** | | |