

TRAIL Workpackage	TRAIL granted research project	Year of registering	TRAIL quoted Publication	Journal
WP1 - MR Guided HIFU and interventional imaging	MRGHIFU	2016	Improved Cardiac Magnetic Resonance Thermometry and Dosimetry for Monitoring Lesion Formation During Catheter Ablation, Valery Ozenne, Solenn Toupin, Pierre Bour, Baudouin Denis de Senneville, Matthieu Lepetit-Coiffe, Manuel Boissenin, Jenny Benois-Pineau, Michael S. Hansen, Souheil J. Inati, Assaf Govari, Pierre Jais, and Bruno Quesson, Magnetic Resonance in Medicine, Jan 2016	Magnetic Resonance in Medicine
	MRGHIFU	2015	Detection of Brain Tumors and Systemic Metastases Using NanoLuc and Fluc for Dual Reporter Imaging. C. Germain-Genevois, O. Garandeau, F. Couillaud. Mol Imaging Biol (2015)	Mol Imaging Biol
WP2 - New sequence and new contrast	HRDTI	2016	VolBrain: An Online MRI Brain Volumetry System, José V. Manjón and Pierrick Coupé, Frontiers in Neuroinformatics, July 2016	Frontiers in Neuroinformatics
	HRDTI	2016	Automatic thalamus and hippocampus segmentation from MP2RAGE: comparison of publicly available methods and implications for DTI quantification, Erhard Næss-Schmidt, Anna Tietze, Jakob Udby Blicher, Mikkel Petersen, Irene K. Mikkelsen, Pierrick Coupé, José V. Manjón, Simon Fristed Eskildsen, International Journal of Computer Assisted Radiology and Surgery, June 2016	International Journal of Computer Assisted Radiology and Surgery
	HRDTI	2016	Fasudil treatment in adult reverses behavioural changes and brain ventricular enlargement in Oligophrenin-1 mouse model of intellectual disability, Hamid Meziane, Malik Khelfaoui, Noemi Morello, Bassem Hiba, Eleonora Calcagno, Sophie Reibel-Foisset, Mohammed Selloum, Jamel Chelly, Yann Humeau, , Fabrice Riet, Ginevra Zanni, Yann Hérault, Thierry Bienvenu, Maurizio Giustetto and Pierre Billuart, Human Molecular Genetics, May 2016	Human Molecular genetics
	HRDTI	2016	Non Local Spatial and Angular Matching: Enabling higher spatial resolution diffusion MRI datasets through adaptive denoising, Samuel St-Jean, Pierrick Coupé, Maxime Descoteaux, Medical Image Analysis, march 2016	Medical image analysis
	HRDTI	2015	MRI Noise Estimation and Denoising Using Non-local PCA. J. V. Manjon, P. Coupé, A. Buades. Medical image analysis, 22(1): 35-47, 2015.	Medical image analysis
	HRDTI	2015	NABS: Non-local Automatic Brain Hemisphere Segmentation, J. E. Romero, J. V. Manjon, J. Tohka, P. Coupé, M. Robles. Magnetic Resonance Imaging, 33(4): 474-484, 2015	Magnetic Resonance Imaging
	HRDTI	2015	Rotation-invariant multi-contrast non-local means for MS lesion segmentation. N. Guizard, P. Coupé, V. Fonov, J. V. Manjon, A Douglas, D. L. Collins. Neuroimage: Clinical, 8: 376-389, 2015.	Neuroimage: Clinical
	HRDTI	2015	An Optimized PatchMatch for Multi-scale and Multi-feature Label Fusion. R. Giraud, V-T. Ta, N. Papadakis, J. V. Manjón, D. L. Collins, P. Coupé and ADNI. NeuroImage 2015	NeuroImage

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WP2 - New sequence and new contrast	HRDTI	2015	Detection of Alzheimer's Disease Signature in MR Images Seven Years Before Conversion to Dementia: Toward an Early Individual Prognosis. P. Coupé, V. S. Fonov, C. Bernard, A. Zandifar, S. F. Eskildsen, C. Helmer, J. V. Manjón, H. Amieva, J-F. Dartigues, M. Allard, G. Catheline, D. L. Collins, and ADNI. Human Brain Mapping, 2015	Human Brain Mapping
	HRDTI	2015	Non-local means inpainting of MS lesions in longitudinal image processing, Nicolas Guizard*, Kunio Nakamura, Pierrick Coupé, Vladimir S. Fonov, Douglas L. Arnold, D L. Collins, Frontiers In Neuroscience, nov 2015	Frontiers in Neuroscience
	HRDTI	2014	Anatomically Constrained Weak Classifier Fusion for Early Detection of Alzheimer's Disease. Mawulawo Komlagan, Vinh-Thong Ta, Xingyu Pan, Jean-Philippe Domenger, D. Louis Collins, Pierrick Coupé, and the Alzheimer's Disease Neuroimaging Initiative. Machine Learning in Medical Imaging, pages 141-148, 2014.	Machine Learning in Medical Imaging
	HRDTI	2014	Optimized PatchMatch for Near Real Time and Accurate Label Fusion. Vinh-Thong Ta, Rémi Giraud, D. Louis Collins, and Pierrick Coupé. MICCAI'14, 105-112, 2014.	MICCAI'14
	HRDTI	2013	Collaborative patch-based super-resolution for diffusion-weighted images. Pierrick Coupé, José V. Manjón, Maxime Chamberland, Maxime Descoteaux, Bassem Hiba. NeuroImage 83 (2013) 245–261	NeuroImage
	HRDTI	2013	Diffusion weighted image denoising using overcomplete local PCA. José V. Manjon, Pierrick Coupé, Luis Concha, Antonio Buades, D. Louis Collins, Montserrat Robles. PLoS One Sept 2013, Volume 8, Issue 9	PLoS One
	NEWFISP	2016	Fast 3D Ultrashort Echo-Time Spiral Projection Imaging Using Golden-Angle: A Flexible Protocol for In Vivo Mouse Imaging at High Magnetic Field; Charles R Castets, William Lefrançois, Didier Wecker, Emeline J Ribot, Aurelien J Trotier, Eric Thiaudiere, Jean-Michel Franconi, and Sylvain Miraux*, Magnetic Resonance in Medicine, May 2016	Magn Reson Med
	NEWFISP	2016	USPIO-Enhanced 3D-Cine Self-Gated Cardiac MRI Based on a Stack-of-Stars Golden Angle Short Echo Time Sequence: Application on Mice With Acute Myocardial Infarction, Aurelien J. Trotier, PhD, Charles R. Castets, MSc, William Lefrancois, PhD, Emeline J. Ribot, PhD, Jean-Michel Franconi, PhD, Eric Thiaudiere, PhD, and Sylvain Miraux, PhD*, Journal of Magnetic Resonance Imaging, jan 2016	J Magn Reson Imaging
	NEWFISP	2015	Free-breathing 3D diffusion MRI for high-resolution hepatic, metastasis characterization in small animals, Emeline J. Ribot, Aurelien J. Trotier, Charles R. Castets, Benjamin Dallaudiere, Eric Thiaudiere, Jean-Michel Franconi, Sylvain Miraux, Clin Exp Metastasis, Nov 2015	Clin Exp Metastasis
	NEWFISP	2015	Fast and robust 3D T1 mapping using spiral encoding and steady RF excitation at 7T: application to cardiac manganese enhanced MRI (MEMRI) in mice. C. R. Castets, E. J. Ribot, W. Lefrançois, A. J. Trotier, E. Thiaudière, JM Franconi and S. Miraux. NMR in Biomedicine, mars 2015	NMR in Biomedicine

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WP2 - New sequence and new contrast	NEWFISP	2015	Positive contrast high-resolution 3D-cine imaging of the cardiovascular system in small animals using a UTE sequence and iron nanoparticles at 4.7, 7 and 9.4 T, A. J. Trotier, W. Lefrançois, K. Van Renterghem, JM Franconi, E. Thiaudière and S. Miraux, Journal of Cardiovascular Magnetic Resonance (2015)	Journal of Cardiovascular Magnetic Resonance
	NEWFISP	2015	Water Selective Imaging and bSSFP Banding Artifact Correction in Humans and Small Animals at 3T and 7T, Respectively; E. J. Ribot, D. Wecker, A. J. Trotier, B. Dallaudière, W. Lefrançois, E. Thiaudière, JM Franconi, S. Miraux, PLOS ONE, 2015	PLoS One
	NEWFISP	2014	Self-gated bSSFP sequences to detect iron-labeled cancer cells and/or metastases in vivo in mouse liver at 7 Tesla. E. J. Ribot, T. J. Duriez, A. J. Trotier, E. Thiaudiere, JM Franconi, and S. Miraux. J Magn Reson Imaging. June 2014	J Magn Reson Imaging
	NEWFISP	2014	Time-resolved TOF MR angiography in mice using a prospective 3D radial double golden angle approach. A. J. Trotier, W. Lefrançois, E. J. Ribot, E. Thiaudiere, JM Franconi, and S. Miraux. Magn Reson Med. 2014 Mar 10.	Magn Reson Med
WP3 - Dynamic Nuclear Polarization	ONCOFLUX	2016	MR imaging, targeting and characterization of pulmonary fibrosis using intra-tracheal administration of gadolinium-based nanoparticles, Nawal Tassali, Andrea Bianchi, François Lux, Gérard Raffard, Stéphane Sanchez, Olivier Tillement and Yannick Crémillieux, Contrast Media and Molecular Imaging, May 2016	Contrast Media and Molecular Imaging
	TRAILDNP	2015	Enzymatically Shifting Nitroxides for EPR spectroscopy and Overhauser-Enhanced Magnetic Resonance Imaging, G. Audran, L. Bosco, P. Bremond, JM Franconi, N. Koonjoo, S. Marque, P. Massot, P. Mellet, E. Parzy, and E. Thiaudiere, Angew. Chem. 2015, 127, 1–7	Angewandte Chemie
	TRAILDNP	2014	In vivo Overhauser-enhanced MRI of proteolytic activity. Koonjoo N, Parzy E, Massot P, Lepetit-Coiffé M, Marque SR, Franconi JM, Thiaudiere E, Mellet P. Contrast Media Mol Imaging. 2014 Sep;9(5):363-71.	Contrast Media Mol Imaging
	TRAILDNP	2014	Alkoxyamines: toward a new family of theranostic agents against cancer. Moncelet D, Voisin P, Koonjoo N, Bouchaud V, Massot P, Parzy E, Audran G, Franconi JM, Thiaudière E, Marque SR, Brémond P, Mellet P. Mol Pharm. 2014 Jul 7;11(7):2412-9.	Mol Pharm
	TRAILDNP	2013	Overhauser-enhanced MRI of elastase activity from in vitro human neutrophil degranulation. E. Parzy, V. Bouchaud, P. Massot, P. Voisin, N. Koonjoo, D. Moncelet, J.M. Franconi, E. Thiaudiere, and P. Mellet, PLoS One. 8(2) 2013	PLoS One
WP4 - Tracers and contrast agents	PIAF	2015	General Last-Step Labeling of Biomolecule-Based Substrates by [12C], [13C], and [11C] Carbon Monoxide. Thomas Cornilleau, Hélène Audrain, Aude Guillemet, Philippe Hermange and Eric Fouquet. Org. Lett. 2015, 17, 354–357	Org Letters
	PIAF	2013	Pd ⁰ -catalyzed methyl transfer on nucleosides and oligonucleotides envisaged as a PET tracer E. Fouquet et al. Molecules, 2013, 18, 13654-13665.	Molecules

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WP4 - Tracers and contrast agents	PIAF	2012	[18F]Si-RiboRGD : the winning combination. From the design and the synthesis to the imaging of avb3 integrins in melanoma tumors. E Amigues, J Schulz, M Szlosek-Pinaud, P Fernandez, S Silvente-Poirot, S Brillouet, F Courbon and E Fouquet, ChemPlusChem 2012, 77, 345-349.	ChemPlusChem
	IMMELAPT	2016	Ex Vivo and In Vivo Imaging and Biodistribution of Aptamers Targeting the Human Matrix MetalloProtease-9 in Melanomas, David Kryza*, Frédéric Debordeaux, Laurent Azéma, Aref Hassan, Olivier Paurelle, Jürgen Schulz, Catherine Savona-Baron, Elsa Charignon, Pauline Bonazza, Jacqueline Taleb, Philippe Fernandez, Marc Janier, Jean-Jacques Toulmé, PlosOne, Feb 2016	PLoS One
	PRITOR	2016	Evaluation of 68Ga-DOTA-TOC PET/CT for the detection of duodenopancreatic neuroendocrine tumors in patients with MEN1, Clément Morgat & Fritzi-Line Vélayoudom-Céphise & Paul Schwartz & Martine Guyot & Delphine Gay5 & Delphine Vimont & Jürgen Schulz & Joachim Mazère & Marie-Laure Nunes & Denis Smith & Elif Hindié & Philippe Fernandez & Antoine Tabarin, EJNMMI, jan 2016	european journal of nuclear medicine and molecular imaging
	PRITOR	2014	Targeting neuropeptides receptors for cancer imaging and therapy: Perspectives with bombesin, neurotensin and neuropeptide-Y receptors. Morgat C, Mishra A.K, Varshney R, Allard M, Fernandez P, Hindié E. J Nucl Med. 2014; 55(10)	J Nucl Med
	PRITOR	2014	A phantom-based method to standardize dose-calibrators for new β^+ emitters: 68Ga as demonstrative working example. Morgat C, Mazère J, Fernandez P, Buj S, Vimont D, Schulz J, Lamare F. Nucl Med Commun. 2014.	Nucl Med Commun
WP5 - Biological bioimaging markers	ARTICLE COMMUNAUTE CITANT TRAIL	2016	Radiologic imaging of the renal parenchyma structure and function, Nicolas Grenier, Pierre Merville and Christian Combe, Nature Reviews Nephrology, April 2016	Nature Reviews Nephrology
	ARTICLE COMMUNAUTE CITANT TRAIL	2015	Multiple sclerosis lesions are better detected with 3D T1 gradient echo than with 2D T1 spin echo gadolinium enhanced imaging at 3 Tesla. Crombe A, Saranathan M, Ruet A, Durieux M, Roquefeuil E, Ouallet JC, Brochet B, Dousset V, Tourdias T. AJNR Am J Neuroradiol 2015 Mar;36(3):501-7.	AJNR Am J Neuroradiol
	ARTICLE COMMUNAUTE CITANT TRAIL	2014	Optimization of white matter nulled magnetization prepared rapid gradient echo (MP-RAGE) imaging. Saranathan M, Tourdias T, Bayram E, Ghanouni P, Rutt BK. Magn Reson Med 2014 May 29.	Magn Reson Med
	ARTICLE COMMUNAUTE CITANT TRAIL	2014	Optimization of Magnetization-Prepared 3-Dimensional Fluid Attenuated Inversion Recovery Imaging for Lesion Detection at 7 T. Saranathan M, Tourdias T, Kerr AB, Berstein JD, Kerchner GA, Han MH, Rutt BK. Investigative Radiology 2014 May 49(5):290-8.	Investigative Radiology
	ARTICLE COMMUNAUTE CITANT TRAIL	2014	Visualization of intra-thalamic nuclei with optimized white-matter-nulled MPRAGE at 7T. Tourdias T, Saranathan M, Levesque IR, Su J, Rutt BK. Neuroimage, 2014 Jan 1;84:534-45.	Neuroimage
	BIOPSYPROSTAPROBE	2016	In vivo imaging of prostate cancer using an anti-PSMA scFv fragment as a probe, Mazzocco C, Fracasso G, Germain-Genevois C, Dugot-Senan N, Figini M, Colombatti M, Grenier N & Couillaud F, Scientific Reports 6, 23314, Mar 2016	Scientific report
	IBIONI	2016	Cervical spinal cord DTI is improved by reduced-FOV with specific balance between numbers of diffusion gradient directions and numbers of averages; A Crombé, N Alberti, B Hiba, V Dousset, T Tourdias, AJNR, May 2016	AJNR Am J Neuroradiol

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WP5 - Biological bioimaging markers	IBIONI	2016	Early Fiber Number Ratio Is a Surrogate of Corticospinal Tract Integrity and Predicts Motor Recovery After Stroke, Antoine Bigourdan, MD*; Fanny Munsch, PhD*; Pierrick Coupé, PhD; Charles R.G. Guttmann, MD; Sharmila Sagnier, MD; Pauline Renou, MD; Sabrina Debruxelles, MD; Mathilde Poli, MD; Vincent Dousset, MD, PhD; Igor Sibon, MD, PhD; Thomas Tourdias, MD, PhD, Stroke, March 2016	Stroke
	IBIONI	2015	Stroke location is an independent predictor of cognitive outcome, F. Munsch*; S. Sagnier MD*; J. Asselineau PhD; A. Bigourdan MD; C.R. Guttmann MD; S. Debruxelles MD; M. Poli MD; P. Renou MD; P. Perez MD PhD; V. Dousset MD PhD; I Sibon MD PhD*; Thomas Tourdias MD PhD*. Stroke, nov 2015	Stroke
	IBIONI	2014	Information processing speed impairment and cerebellar dysfunction in relapsing-remitting multiple sclerosis. . Ruet A, Hamel D, Deloire MS, Charré-Morin J, Saubusse A, Brochet B. J Neurol Sci. 2014 Oct 12;347(1-2):246-250	J Neurol Sci
	DIMI	2013	Neuroinflammatory imaging biomarkers : Relevance to Multiple Sclerosis and its therapy. Thomas Tourdias and Vincent Dousset. Neurotherapeutics. 2013 Jan; 10(1): 111–123.	Neurotherapeutics
	INNES	2015	High-resolution NMR-based metabolic detection of microgram biopsies using a 1-mm HRμMAS prototype probe.Yusuke Nishiyama, Yuki Endo, Takahiro Nemoto, Anne-Karine Bouzier-Sore and Alan Wong, Analyst,oct 2015.	Analyst
	INNES	2015	Rapid adaptation of rat brain and liver metabolism to a ketogenic diet: an integrated study using 1H- and 13C-NMR spectroscopy. Maggie Roy, Marie-Christine Beauvieux,Jérôme Naulin, Dounia El Hamrani, Jean-Louis Gallis, Stephen C Cunnane and Anne-Karine Bouzier-Sore, Journal of cerebral blood flow and metabolism: official journal of the International Society of Cerebral Blood Flow and Metabolism, Mars 2015	J Cereb Blood Flow Metab
	INNES	2015	Uncertainties in pentose-phosphate pathway flux assessment underestimate its contribution to neuronal glucose consumption: relevance for neurodegeneration and aging, Anne-Karine Bouzier-Sore and Juan P. Bolaños, Front Aging Neurosci. 2015; 7: 89.	Frontiers in Aging Neuroscience
	INNES	2013	13C-NMR spectroscopy applications to brain energy metabolism, Tiago B. Rodrigues, Julien Valette and Anne-Karine Bouzier-Sore. Frontiers in Neuroenergetics, déc 2013.	Front Neuroenergetics
	INNES	2013	Glucose and lactate metabolism in the awake and stimulated rat: a (13)C-NMR study. Sampil, D., Ostrofet, E., Jobin, M. L., Raffard, G., Sanchez, S., Bouchaud, V., Franconi, J. M., Bonvento, G., and Bouzier-Sore, A. K. Front Neuroenergetics 5, 5 (2013)	Front Neuroenergetics
	MIMATHUMAB	2016	Solid Lipid Nanoparticles for Image-Guided Therapy of Atherosclerosis, Khalid Oumzil, Michael A. Ramin, Cyril Lorenzato, Audrey Hémadou, Jeanny Laroche, Marie Josée Jacobin-Valat, Stephane Mornet, Claude-Eric Roy, Tina Kauss, Karen Gaudin, Gisèle Clofent-Sanchez, and Philippe Barthélémy, Bioconjugate Chemistry, jan 2016	Bioconjugate Chemistry
	MIMATHUMAB	2014	Nanoparticles functionalised with an anti-platelet human antibody for in vivo detection of atherosclerotic plaque by Magnetic Resonance Imaging. M.J Jacobin-Valat, J. Laroche-Traineau, M. Larivière, S. Mornet, S. Sanchez, M. Biran, C. Lebaron, J. Boudon, S. Lacomme, M. Cérutti, G. Clofent-Sanchez. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014	Nanomedicine
	SCICOG&REACTIV	2015	Cognitive evaluation by tasks in a virtual reality environment in multiple sclerosis; D Lamargue-Hamel D, Deloire M, Saubusse A, Ruet A, Taillard J, Philip P, Brochet B. Paper in press in J Neurol Sci	J Neurol Sci

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WP5 - Biological bioimaging markers	SCICOG&REACTIV	2015	Deciphering depressive mood in relapsing-remitting and progressive multiple sclerosis and its consequences on quality of life. Delphine Lamargue Hamel, Mathilde Deloire, Aurélie Ruet, Julie Charré-Morin, Aurore Saubusse, Jean-Christophe Ouallet, Bruno Brochet. Paper in press in PLOS ONE	PlosOne
	TBI	2016	Improved long-term outcome after transient cerebral ischemia in aquaporin-4 knockout mice, Lorenz Hirt*, Andrew M Fukuda*, Kamalakar Ambadipudi, Faisal Rashid, Devin Binder, Alan Verkman, Stephen Ashwal, Andre Obenaus and Jerome Badaut, JCBFM, janvier 2016	Journal of Cerebral Blood Flow & Metabolism
	TRANSFEAR	2016	Preventing long-lasting fear recovery using bilateral alternating sensory stimulation: a translational study, Wurtz, El-Khoury-Malhame, Wilhelm, Michael, Beetz, Roques, Reynaud, Courtin, Khalfa, Herry, Neuroscience, May 2016	Neurosciences
	TRANSFEAR	2016	4-Hz oscillations synchronize prefrontal-amygdala circuits during fear behavior, Nikolaos Karalis, Cyril Dejean, Fabrice Chaudun, Suzana Khoder, Robert R Rozeske, Hélène Wurtz, Sophie Bagur, Karim Benchenane, Anton Sirota, Julien Courtin & Cyril Herry, Nature Neurosciences, Feb 2016	Nature Neurosciences
	TRANSFEAR	2015	Neuronal Circuits for Fear Expression and Recovery: Recent Advances and Potential Therapeutic Strategies. C. Dejean, J. Courtin, R. Rozeske, M. C. Bonnet, V. Dousset, T. Michelet, and C. Herry. Biological Psychiatry Sep, 2015; 78:298–306	Biological Psychiatry
WP6 - Mathematical simulation and modeling	MOD	2016	Lefebvre G., Cornelis F., Cumsille P., Colin T., Poignard C., Saut O. Spatial Modeling of Tumor Drug Resistance : the case of GIST Liver Metastase, to appear in Mathematical Medicine & Biology, March 2016	Mathematical Medicine & Biology
	MOD	2016	Computational Trials: Unraveling Motility Phenotypes, Progression Patterns, and Treatment Options for Glioblastoma Multiforme, Fabio Raman, Elizabeth Scribner, Olivier Saut, Cornelia Wenger, Thierry Colin, Hassan M. Fathallah-Shaykh*, PlosOne, jan 2016	PlosOne
	MOD	2015	Computational Modelling of Metastasis Development in Renal Cell Carcinoma, Etienne Baratchart, Sébastien Benzekry*, Andreas Bikfalvi*, Thierry Colin*, Lindsay S. Cooley, Raphaël Pineau, Emeline Ribot, Olivier Saut, Wilfried Souleyreau, PlosOne Nov 2015	PlosOne
	MOD	2015	Patient-specific simulation of tumor growth, response to the treatment, and relapse of a lung metastasis: a clinical case. Thierry Colin, François Cornelis, Julien Jouganous, Jean Palussièrre and Olivier Saut, Jouganous et al. Journal of Computational Surgery (2015) 2:1	Journal of Computational Surgery
WP7 - Cohort Imaging Methodology	ADPP	2016	Age-Related Modifications of Diffusion Tensor Imaging Parameters and White Matter Hyperintensities as Inter-Dependent Processes, Amandine Pelletier*, Olivier Periot, Bixente Dilharreguy, Bassem Hiba, Martine Bordessoules, Sandra Chanraud, Karine Pérès, Hélène Amieva, Jean-François Dartigues, Michèle Allard and Gwénaëlle Catheline, Frontiers in Aging Neurosciences, jan 2016	Frontiers in Aging Neurosciences
	COBRASCAN	2016	Lung morphology assessment of cystic fibrosis using MRI with ultra-short echo time at submillimeter spatial resolution, Gaël Dournes & Fanny Menut & Julie Macey & Michaël Fayon & Jean-François Chateil & Marjorie Salel & Olivier Corneloup & Michel Montaudon & Patrick Berger & François Laurent, Eur Radiol, feb 2016	European Radiology
	COBRASCAN	2015	Quiet Submillimeter MR Imaging of the Lung Is Feasible with a PETRA Sequence at 1.5 T1, Gaël Dournes, MD, PhD, David Grodzki, PhD, Julie Macey, MD, Pierre-Olivier Girodet, MD, PhD, Michaël Fayon, MD, PhD, Jean-François Chateil, MD, PhD, Michel Montaudon, MD, PhD, Patrick Berger, MD, PhD, François Laurent, MD, Radiology, july 2015	Radiology

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WP7 - Cohort Imaging Methodology	COBRASCAN	2016	CT evaluation of small pulmonary vessels area in patients with COPD with severe pulmonary hypertension, Florence Coste, Gaël Dournes, Claire Dromer, Elodie Blanchard, Véronique Freund-Michel, Pierre-Olivier Girodet, Michel Montaudon, Fabien Baldacci, François Picard, Roger Marthan, Patrick Berger, François Laurent, Thorax, april 2016	Thorax
	ACTE	2015	Neuroimaging and Alcoholism. Chanraud S, Bernard C. Annales Médico-Psychologiques 2015	Annales Médico-Psychologiques
	ACTE	2014	Compensatory recruitment of neural resources in chronic alcoholism. Chanraud S. and Sullivan EV. Handbook of Clinical Neurology, Vol. 125, 2014	Handbook of Clinical Neurology