

TITLE	AUTHORS	INSTITUTIONS
1 SBA Composer: web-based software for exploring brain slices, volumes and surfaces in a 3d atlasing context	Bakker Rembrandt (1) (2), Osoianu Anastasia (2), Øvsthus Martin (3), Leergaard Trygve (3), Tiesinga Paul (2)	1 - inm6 (Germany), 2 - neuroinformatics (Netherlands), 3 - oslo anatomy (Norway)
2 The electronic collection of vertebrate brains of the National Natural History Museum of Paris	Heuer Katja (1), Toro Roberto (1), Santin Mathieu (2), Herbin Marc (3), Valabregue Romain (2)	1 - Institut Pasteur [Paris] (France), 2 - Institut du Cerveau et de la Moëlle Epinière = Brain and Spine Institute (France), 3 - Muséum National d'Histoire Naturelle (France)
3 Long distance plasticity of callosal connections: From men to mice	Szczupak Diego (1) (2), Liu Cirong (2), Yen Cecil (2), Ferreira Fernanda (3), Lima Caroline (3), Lent Roberto (3) (1), Silva Afonso (2), Tovar-Moll Fernanda (3) (1)	1 - Federal University of Rio de Janeiro (Brazil), 2 - National Institutes of Health (United States), 3 - Institute D'or Research and Education (Brazil)
4 Sharing research imaging data in « Imageries du Vivant ». An ongoing experience at Sorbonne Paris Cité University (SPC).	Frapart Yves-Michel <Yves.frapart@parisdescartes.fr> (1)	1 - Imagerie du Vivant (USPC) (France)
5 Samba-MRI: An imaging toolbox for small animal imaging by MRI	Bougacha Salma (1) (2), Nadkarni Nachiket (1), Garin Clément (1), Dhenain Marc (1)	1 - Laboratoire des Maladies Neurodégénératives - UMR 9199 (France), 2 - Neuropsychologie et imagerie de la mémoire humaine (France)
6 Towards a connectome atlas of the C57Bl6 mouse brain using ex vivo ultra-high field diffusion MRI	Uszynski Ivy (1) (2) (3), Mathieu Hervé (1) (2) (4), Delouime Jean-Christophe (1) (2), Barbier Emmanuel (1) (2), Poupon Cyril (3)	1 - Grenoble Institut des Neurosciences (France), 2 - U1216 (France), 3 - UNIRS (France), 4 - IRMaGe - Biomédicale et neurosciences [Grenoble] (France)
7 Assessing tumor development with quantitative ultrasound and immunohistochemistry	Griffon Jérôme (1), Le Guillou-Buffello Delphine (1), Lamuraglia Michele (2), Bridal Lori (1)	1 - Laboratoire d'Imagerie Biomédicale (LIB) (France), 2 - Laboratoire d'Imagerie Biomédicale (LIB) (France)
8 Monitoring glioma heterogeneity during tumor growth using clustering analysis of multiparametric MRI data	Lemasson Benjamin (1) (2), Collomb Nora (1) (2), Arnaud Alexis (3), Forbes Florence (4), Barbier Emmanuel L. (1) (5)	1 - U1216, Inserm (France), 2 - Grenoble Institut des Neurosciences (France), 3 - MISTIS (France), 4 - MISTIS (France), 5 - Grenoble Institut des Neurosciences (France)
9 MULTI-CENTER QUANTITATIVE MAPPING OF T1 AND T2 RELAXATION TIMES IN THE RAT BRAIN	Deruelle Tristan (1), Perles-Barbacaru Adriana (2), Kober Franck (2), Delzescaux Thierry (3), Barbier Emmanuel L. (1), Dojat Michel (1)	1 - Grenoble Institut des Neurosciences (France) Université Grenoble Alpes, Inserm, GIN, 38000, Grenoble, France, 2 - Aix-Marseille Univ, CNRS, CRMBM, 13385 Marseille, France, 3 - UMR-9199, CNRS, CEA-MIRCEN, 92265 Fontenay-Aux-Roses, France
10 Surface-based cortical parcellation and atlas creation of the sheep brain	Love Scott (1), Siwiaszczyk Marine (1), Destrieux Christophe (2), Andersson Frédéric (2), Chaillou Elodie (1)	1 - INRA (France), 2 - iBrain (France)
11 Construction of an MRI-Based Connectome for the Marmoset Brain: Methods and Initial Results	Yen Cecil (1), Liu Cirong (1), Szczupak Diego (1), Marcelle Madeline (1), Silva Afonso (1)	1 - National Institutes of Health (United States)
12 Using Imaging to Better Understand the Genetic Control of Brain Circuit Vulnerability in Mouse Models of Alzheimer's Disease	Badea Alexandra (1), Wang Michele (2) (1), Anderson Robert (1), Qi Yi (1), Cofer Gary (1), Wang Nian (1), Wang Shangsi (3), Vogelstein Joshua (4) (5), Priebe Carey (5) (3), Wilson Joan (6), Colton Carol (6)	1 - Center for In Vivo Microscopy, Department of Radiology, Duke University Medical Center, USA2 (United States), 2 - Neuroscience Program, Trinity College, Duke University (United States), 3 - Department of Applied Mathematics and Statistics, Johns Hopkins University (United States), 4 - Department of Biomedical Engineering and Institute for Computational Medicine (United States), 5 - Center for Imaging Science, Johns Hopkins University (United States), 6 - Neurology Department, Duke University Medical Center (United States)
13 Development of a configurable workflow for processing preclinical images	Zullino Sara (1), Dastrù Walter (1), Aime Silvio (1), Longo Dario (1)	1 - Molecular Imaging Center, Dept. Molecular Biotechnologies and Health Sciences, University of Torino (Italy)
14 fMRI Visual Responses of a Rat Model of Parkinson's Disease	Bellot Emmanuelle (1), Pautrat Arnaud (1), Collomb Nora (2), MontignonOlivier (2), Coizet Véronique (1), Dojat Michel (1)	1 - Grenoble Institut des Neurosciences (France), 2 - Cnrs, Inserm, CHU Grenoble Alpes, IRMAGE, 38000 Grenoble, France
15 Dicomifier: a generic Bruker-DICOM-NIfTI converter	Lamy Julien (1), Lahaxe Romain (2), Ouhmich Farid (2)	1 - Laboratoire des sciences de l'ingénieur, de l'informatique et de l'imagerie (France), 2 - Laboratoire des sciences de l'ingénieur, de l'informatique et de l'imagerie (France)
16 Glia and axonal changes in the cuprizone mouse model investigated with diffusion-weighted magnetic resonance spectroscopy	Genovese Guglielmo (1) (2), Santin Mathieu (1) (2), Palombo Marco (3), Valette Julien (4), Ligneul Clémence (4), Aigrot Marie-Stéphane (2), Felfli Mehdi (1), Abdoukader Nasteho (1), Langui Dominique (5) (2), Millecamps Aymeric Millecamps (5) (2), Baron-Van Evercooren Anne (2), Stankoff Bruno (2), Lehéricy Stéphane (1) (2), Petiet Alexandra (1) (2), Branzoli Francesca (1) (2)	1 - Center for Neuroimaging Research - CENIR (France), 2 - Institut du Cerveau et de la Moëlle Epinière = Brain and Spine Institute (France), 3 - Department of Computer Science and Centre for Medical Image Computing, University College of London (United Kingdom), 4 - Commissariat à l'Energie Atomique, Direction des Sciences du Vivant, Institut d'Imagerie Biomédicale, Molecular Imaging Research Center (France), 5 - Plateforme d'Imagerie Cellulaire Pitit-Salpêtrière (France)
17 FLI-Image Analysis and Management	Kain Michael (1) and the France Life Imaging (FLI) Consortium	1 - Inria Rennes ? Bretagne Atlantique (France)
18 Multi-centre resting-state fMRI comparison reveals common functional networks in the mouse brain.	Grandjean Joanes (1), Canella Carola (2) (3), Anckaerts Cynthia (4), Ayranc? Gülebru (5), Coletta Ludovico (2) (3), Gallino Daniel (5), Gass Natalia (6), Hübner Neele (7), Kreitz Silke (8), Mandino Francesca (1) (9), Mechling Anna (7), Strobel Sandra (8), Wu Tong (10) (11), Wank Isabel (8), Yeow Ling Yun (1), Yee Yohan (12), Chakravarty Mallar (5), Chang Wei-Tang (1), Von Elverfeldt Dominik (7), Harsan Laura-Adela (13), Hess Andreas (8), Keliris Georgios (4), Lerch Jason (12), Rudin Markus (14) (15), Sartorius Alexander (6), Jiang Tianzi (10) (16), Van Der Linden Annemie (4), Verhoye Marleen (4), Weber-Fahr Wolfgang (6), Wenderoth Nicole (17), Zerbi Valerio (17), Gozzi Alessandro (2)	1 - Singapore Biomed Imaging Consortium, Agency for Science, Technology and Research (Singapore), 2 - Functional Neuroimaging Laboratory, Istituto Italiano di Tecnologia, centre for Neuroscience and Cognitive Systems @ UNITN (Italy), 3 - CIMEC, centre for Mind/Brain Sciences, University of Trento (Italy), 4 - Bio-Imaging Lab, University of Antwerp (Belgium), 5 - Douglas Mental Health University Institute & Departments of Psychiatry and Biological and Biomedical Engineering, McGill University (Canada), 6 - Department of Neuroimaging, Central Institute of Mental Health, Medical Faculty Mannheim, University of Heidelberg (Germany), 7 - Advanced Molecular Imaging Research centre (AMIR), Medical Physics, Department of Radiology, University Medical Centre and the BrainLinks-BrainTools Cluster of Excellence, University of Freiburg (Germany), 8 - Institute of Experimental and Clinical Pharmacology and Toxicology, Friedrich-Alexander University Erlangen-Nürnberg (FAU) (Germany), 9 - Faculty of Life Sciences, University of Manchester (United Kingdom), 10 - Queensland Brain Institute, The University of Queensland (Australia), 11 - Centre for Medical Image Computing, Department of Computer Science, & Max Planck University College London Centre for Computational Psychiatry and Ageing Research, University College London (United Kingdom), 12 - Hospital for Sick Children (Canada), 13 - Department of Biophysics and Nuclear Medicine, University Hospital Strasbourg (France), 14 - Institute for Biomedical Engineering, University and ETH Zürich (Switzerland), 15 - Institute of Pharmacology and Toxicology, University of Zürich (Switzerland), 16 - Brainetome Centre, Institute of Automation, Chinese Academy of Sciences, Beijing & Key Laboratory for Neuroinformatics of the Ministry of Education, School of Life Science and Technology, University of Electronic Science and Technology of China (China), 17 - Neural Control of Movement Lab, Department of Health Sciences and Technology, ETH Zürich
19 Neuroimaging in an Autism Related Mouse Population	Ellegood Jacob (1), Hekelman Mark (1) (2), Lerch Jason (1) (2)	1 - Mouse Imaging Centre, Hospital for Sick Children (Canada), 2 - Department of Medical Biophysics, University of Toronto (Canada)
20 Impact of perfusion level on the amplitude of resting-state BOLD fMRI in anesthetized rats	Becq Guillaume (1), Achard Sophie (1), Habet Tarik (2), Collomb Nora (3), Faucher Margaux (2), Delon-Martin Chantal (2), Coizet Véronique (2), Barbier Emmanuel L. (4)	1 - GIPSA-Lab (France), 2 - GIN (France), 3 - IRMaGe (France), 4 - Grenoble Institut des Neurosciences (France)