Ninon Burgos
CNRS

Names

Ninon Burgos

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Personal Links

Homepage   Google Scholar   DBLP   ORCID   LinkedIn

Education & Career History

Role	Institution	Period
Researcher	CNRS (cnrs.fr)	2018 – Present
Postdoc	INRIA (inria.fr)	2017 – 2018
Postdoc	University College London (ucl.ac.uk)	2016 – 2016
PhD student	University College London (ucl.ac.uk)	2012 – 2016

Advisors, Relations & Conflicts

Relation	Name	Email	Period
Coworker	Olivier Colliot	****@upmc.fr	2017 – Present
Coworker	Stanley Durrleman	****@inria.fr	2017 – Present
Coworker	Olivier Colliot	****@cnrs.fr	2017 – Present
Coworker	Olivier Colliot	****@sorbonne-universite.fr	2017 – Present
Coauthor	Kris Thielemans	****@ucl.ac.uk	2014 – 2017
Coauthor	Jieqing Jiao	****@gmail.com	2014 – 2017
Coauthor	Alexandre Bousse	****@ucl.ac.uk	2014 – 2017
Coauthor	Jonathan Schott	****@ucl.ac.uk	2014 – 2017
Coauthor	Jieqing Jiao	****@gmail.com	2014 – 2017
Coauthor	Simon r. Arridge	****@cs.ucl.ac.uk	2013 – 2017
PhD Advisor	Brian Hutton	****@uclh.nhs.uk	2013 – 2017
PhD Advisor	Sebastien Ourselin	****@ucl.ac.uk	2013 – 2017
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Coauthor	Antje-christin Knopf	****@icr.ac.uk	2015 – 2016
PhD Advisor	Manuel jorge Cardoso	****@ucl.ac.uk	2013 – 2016
Coauthor	Marc Modat	****@ucl.ac.uk	2013 – 2015

Expertise

Area	Period
computer-aided diagnosis	2017 – Present
medical imaging, neuroimaging, MRI, PET	2012 – Present
image synthesis	2012 – Present
dementia, Alzheimer's disease	2012 – Present
radiotherapy treatment planning	2014 – 2017
prostate cancer, pelvis	2014 – 2017

Recent Publications

Deep learning for brain disorders: from data processing to disease treatment
Ninon Burgos, Simona Bottani, Johann Faouzi, Elina Thibeau-Sutre, Olivier Colliot
2021 (edited Nov 26, 2021)   Briefings Bioinform. 2021

Reproducible Evaluation of Diffusion MRI Features for Automatic Classification of Patients with Alzheimer's Disease
Junhao Wen, Jorge Samper-González, Simona Bottani, Alexandre Routier, Ninon Burgos, Thomas Jacquemont, Sabrina Fontanella, Stanley Durrleman, Stéphane Epelbaum, Anne Bertrand, Olivier Colliot
2021 (edited Nov 26, 2021)   Neuroinformatics 2021

Automatic quality control of brain T1-weighted magnetic resonance images for a clinical data warehouse
Simona Bottani, Ninon Burgos, Aurélien Maire, Adam Wild, Sebastian Ströer, Didier Dormont, Olivier Colliot
2021 (edited Nov 26, 2021)   CoRR 2021

Data Augmentation in High Dimensional Low Sample Size Setting Using a Geometry-Based Variational Autoencoder
Clément Chadebec, Elina Thibeau-Sutre, Ninon Burgos, Stéphanie Allassonnière
2021 (edited Nov 26, 2021)   CoRR 2021

Clinica: An Open-Source Software Platform for Reproducible Clinical Neuroscience Studies
Alexandre Routier, Ninon Burgos, Mauricio Diaz-Melo, Michael Bacci, Simona Bottani, Omar El-Rifai, Sabrina Fontanella, Pietro Gori, Jérémy Guillon, Alexis Guyot, Ravi Hassanaly, Thomas Jacquemont, Pascal Lu, Arnaud Marcoux, Tristan Moreau, Jorge Samper-González, Marc Teichmann, Elina Thibeau-Sutre, Ghislain Vaillant, Junhao Wen, Adam Wild, Marie Odile Habert, Stanley Durrleman, Olivier Colliot
2021 (edited Nov 26, 2021)
Frontiers Neuroinformatics 2021

Predicting the progression of mild cognitive impairment using machine learning: A systematic, quantitative and critical review
Manon Ansart, Stéphane Epelbaum, Giulia Bassignana, Alexandre Bône, Simona Bottani, Tiziana Cattai, Raphaël Couronné, Johann Faouzi, Igor Koval, Maxime Louis, Elina Thibeau-Sutre, Junhao Wen, Adam Wild, Ninon Burgos, Didier Dormont, Olivier Colliot, Stanley Durrleman
2021 (edited Nov 26, 2021)   Medical Image Anal. 2021

Convolutional neural networks for classification of Alzheimer's disease: Overview and reproducible evaluation
Junhao Wen, Elina Thibeau-Sutre, Mauricio Diaz-Melo, Jorge Samper-González, Alexandre Routier, Simona Bottani, Didier Dormont, Stanley Durrleman, Ninon Burgos, Olivier Colliot
2020 (edited Nov 26, 2021)   Medical Image Anal. 2020

Visualization approach to assess the robustness of neural networks for medical image classification
Elina Thibeau-Sutre, Olivier Colliot, Didier Dormont, Ninon Burgos
2020 (edited Nov 26, 2021)
Medical Imaging: Image Processing 2020

Visualization approach to assess the robustness of neural networks for medical image classification
Elina Thibeau-Sutre, Olivier Colliot, Didier Dormont, Ninon Burgos
2019 (edited Nov 26, 2021)   CoRR 2019

Reproducible evaluation of methods for predicting progression to Alzheimer's disease from clinical and neuroimaging data
Jorge Samper-González, Ninon Burgos, Simona Bottani, Marie Odile Habert, Theodoros Evgeniou, Stéphane Epelbaum, Olivier Colliot
2019 (edited Nov 26, 2021)
Medical Imaging: Image Processing 2019

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