



Giovanna Diletta Ielacqua

Postdoctoral Research Fellow, Neurology and Neurological Sciences

 Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- Best Paper Award, Medical Image Analysis - MICCAI 2015 (October 2015)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Eidgenossische Technische Hochschule (ETH Zurich) (2018)
- Doctor of Veterinary Medicine, Universita Degli Studi Di Torino (2011)

STANFORD ADVISORS

- Jin Hyung Lee, Postdoctoral Faculty Sponsor

LINKS

- PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/?term=ielacqua>
- Research Gate: https://www.researchgate.net/profile/Giovanna_Diletta_Ielacqua
- LinkedIn: www.linkedin.com/in/giovanna-diletta-ielacqua-69b5342b

Research & Scholarship

LAB AFFILIATIONS

- Jin Hyung Lee, Lee Lab (8/6/2018)

Publications

PUBLICATIONS

- **Closed-loop cavitation control for focused ultrasound-mediated blood-brain-barrier opening by long-circulating microbubbles.** *Physics in medicine and biology*
Cavusoglu, M., Zhang, J., Ielacqua, G. D., Pellegrini, G., Signorell, R. D., Papachristodoulou, A., Brambilla, D., Roth, P., Weller, M., Rudin, M., Martin, E., Leroux, J. C., Werner, et al
2018
- **Prospective Administration of Anti-NGF Treatment Effectively Suppresses Functional Connectivity Alterations Following Cancer-Induced Bone Pain in Mice.** *Pain*
Buehlmann, D., Ielacqua, G. D., Xandry, J., Rudin, M.
2018
- **Dysfunctional Autism Risk Genes Cause Circuit-Specific Connectivity Deficits With Distinct Developmental Trajectories.** *Cerebral cortex (New York, N.Y. : 1991)*
Zerbi, V., Ielacqua, G. D., Markicevic, M., Haberl, M. G., Ellisman, M. H., A-Bhaskaran, A., Frick, A., Rudin, M., Wenderoth, N.

2018; 28 (7): 2495–2506

- **The role of beta-arrestin2 in shaping fMRI BOLD responses to dopaminergic stimulation.** *Psychopharmacology*
Sahlholm, K., Ielacqua, G. D., Xu, J., Jones, L. A., Schlegel, F., Mach, R. H., Rudin, M., Schroeter, A.
2017
- **Quantitative assessment of microvasculopathy in arcA mice with USPIO-enhanced gradient echo MRI** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
Klohs, J., Deistung, A., Ielacqua, G. D., Seuwen, A., Kindler, D., Schweser, F., Vaas, M., Kipar, A., Reichenbach, J. R., Rudin, M.
2016; 36 (9): 1614-1624
- **Reconstructing cerebrovascular networks under local physiological constraints by integer programming** *MEDICAL IMAGE ANALYSIS*
Rempfler, M., Schneider, M., Ielacqua, G. D., Xiao, X., Stock, S. R., Klohs, J., Székely, G., Andres, B., Menze, B. H.
2015; 25 (1): 86-94
- **Magnetic Resonance Q Mapping Reveals a Decrease in Microvessel Density in the arcA β Mouse Model of Cerebral Amyloidosis.** *Frontiers in aging neuroscience*
Ielacqua, G. D., Schlegel, F., Füchtmeier, M., Xandry, J., Rudin, M., Klohs, J.
2015; 7: 241-?
- **Extracting vascular networks under physiological constraints via integer programming.** *Medical image computing and computer-assisted intervention : MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention*
Rempfler, M., Schneider, M., Ielacqua, G. D., Xiao, X., Stock, S. R., Klohs, J., Székely, G., Andres, B., Menze, B. H.
2014; 17: 505-512