

Abi Gartner
Perinatal Imaging & Health



Qualifications

Neurodevelopmental disorders, Master of Research, King's College London / GSTT
Award Date: 1 Jul 2020

Biochemistry, Bachelor of Science, University of Bristol
Award Date: 1 Jul 2019

Employment

Doctor of Philosophy, Early brain development in Down syndrome: from micro- to macrostructural insights in the perinatal period with subsequent developmental outcomes.

Perinatal Imaging & Health
King's College London
1 Oct 2020 → present

Research outputs

Comprehensive volumetric phenotyping of the neonatal brain in Down syndrome

Gartner, A., Baburamani, A., Dimitrova, R., Patkee, P., Ojinaga-Alfageme, O., Bonthron, A., Cromb, D., Uus, A., Counsell, S., Hajnal, J., O'Muircheartaigh, J. & Rutherford, M., 15 Jul 2023, In: *Cerebral Cortex*. 33, 14, p. 8921-8941 21 p.

BOUNTI: Brain vOlumetry and aUtomated parcellatiON for 3D feTal MRI

Uus, A. U., Kyriakopoulou, V., Makropoulos, A., Fukami-Gartner, A., Cromb, D., Davidson, A., Cordero-Grande, L., Price, A. N., Grigorescu, I., Williams, L. Z. J., Robinson, E. C., Lloyd, D., Pushparajah, K., Story, L., Hutter, J., Counsell, S. J., Edwards, A. D., Rutherford, M. A., Hajnal, J. V. & Deprez, M., 27 Apr 2023, In: *bioRxiv*.

560 Fetal craniofacial biometry: feasibility of deep 3D MRI phenotyping in a cohort with Down syndrome using atlas-based label propagation

Matthew, J., Uus, A., Gartner, A., Cordero-Grande, L., Kyriakopoulou, V., Cromb, D., Wright, R., O'Muircheartaigh, J., Baburamani, A., Malamateniou, C., Hutter, J., Edwards, D., Hajnal, J., Rutherford, M. & Deprez, M., 2023, *British Association of Perinatal Medicine and Neonatal Society*.

Segmentation of Periventricular White Matter in Neonatal Brain MRI: Analysis of Brain Maturation in Term and Preterm Cohorts

Uus, A. U., Ayub, M. U., Gartner, A., Kyriakopoulou, V., Pietsch, M., Grigorescu, I., Christiaens, D., Hutter, J., Grande, L. C., Price, A., Batalle, D., Counsell, S., Hajnal, J. V., Edwards, A. D., Rutherford, M. A. & Deprez, M., 22 Sept 2022, *Perinatal, Preterm and Paediatric Image Analysis - 7th International Workshop, PIPPI 2022, Held in Conjunction with MICCAI 2022, Proceedings*. Licandro, R., Licandro, R., Melbourne, A., Hutter, J., Abaci Turk, E. & Macgowan, C. (eds.). Springer Science and Business Media Deutschland GmbH, p. 94-104 11 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 13575 LNCS).