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<th>Outputs</th>
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<tr>
<td>11/002</td>
<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
<td>Dr Delphine Boche</td>
<td>Southampton</td>
<td>Overview</td>
<td>Publication x 6 Grant Application x 11 Presentation x 12 Poster x 9</td>
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<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
<td>Dr Delphine Boche</td>
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<td>Grant Application</td>
<td>Medical Research Council UK (2011-2014) - Microglial studies in the CFAS cohort. Boche D (PI) &amp; Nicoll J as a part of a undisclosed MRC CFAS consortium “Epidemiological neuropathology of dementia - The Cognitive Function and Ageing Neuropathology Study”. Ince P, Wharton SB, Love S, Brayne C, Nicoll J, Walsh D, Boche D, Matthews F (G0900582)</td>
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<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
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<td>Grant Application</td>
<td>Alzheimer Research UK (2012-2015) Involvement of a brain “metaflammasome” in neurodegeneration. Boche D (PI), Hugon J (PhD scholarship ART-PhD2011-22)</td>
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<td>11/002</td>
<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
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<td>Alzheimer Research UK (2013-2016) Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer’s disease neuropathology. Boche D (PI), Nicoll J, Holmes C, Love S, Perry VH (ARUK-PG2012-8)</td>
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<td>Dr Delphine Boche</td>
<td>Southampton</td>
<td>Grant Application</td>
<td>Fondation Philippe Chatrier Paris, France (2014) Consequences of active Aβ immunotherapy on the stress and neuronal pathways – Neuropathological study. Paquet C, Boche D (Mentor)</td>
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<td>11/002</td>
<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
<td>Dr Delphine Boche</td>
<td>Southampton</td>
<td>Grant Application</td>
<td>Alzheimer Research UK (2014-2017) Systemic and central inflammation in Dementia with Lewy Bodies. Amin J, Holmes C (co-supervisor), Boche D (supervisor) (Clinical Fellowship ARUK-CRF2014-2)</td>
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<td>Grant Application</td>
<td>Alzheimer’s Research UK (2018-2019) Exploring the role of inflammation, cerebral hypoperfusion, and pericyte function in dementia. Miners S (PI, Bristol), Boche D (Co-PI), Allan S (Co-PI, Manchester) (ARUK-NCG2018A-002)</td>
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<td>11/002</td>
<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
<td>Dr Delphine Boche</td>
<td>Southampton</td>
<td>Grant Application</td>
<td>Alzheimer’s Research UK (2018-2020) Locus coeruleus: its role in cortical and subcortical inflammation in Alzheimer’s disease. Boche D (PI), Holmes C (ARUK-PPG2018B-019)</td>
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<td>Alzheimer’s Research UK (2018-2021) Interplay between T cell immunity and innate neuroinflammation in primary Tauopathies. Boche D (PI), Blum D (Lille), Dorothee G (Paris) (ARUK-PG2018A-012)</td>
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<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
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<td>British Neuropathological Society (2018-2018) Microgial/macrophage immunophenotypes in glioblastoma and their association with clinical outcome. Boche D (PI), Sidlauskas K.</td>
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<tr>
<td>11/002</td>
<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
<td>Dr Delphine Boche</td>
<td>Southampton</td>
<td>Grant Application</td>
<td>Submitted to the MRC (microglial phenotype in schizophrenia)</td>
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<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
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<td>Vaccine Development Online Symposium – Target Meeting 2012</td>
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<td>Dr Delphine Boche</td>
<td>Southampton</td>
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<td>25th European College of Neuropsychopharmacology, 2012 Vienna, Austria</td>
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<td>Dr Delphine Boche</td>
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<td>Institut du Fer A Moulin UMR-S 839- INSERM - UPMC, 2012 Paris, France</td>
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<td>Neuroconference on Alzheimer’s disease, 2012 Bordeaux, France</td>
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<td>Southampton</td>
<td>Presentation</td>
<td>John Van Geest Centre for Brain Repair Cambridge, Spring School 2013, Cambridge UK – 20-22 March</td>
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<td>Dr Delphine Boche</td>
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<td>Presentation</td>
<td>British Neuropathological Society Summer School in NeuroInflammation, Royal Agriculture, Cirencester 3-5 July 2013</td>
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<td>Alzheimer’s Disease: Vaccine Development, European Scientific Conferences, London 24 June 2014</td>
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<td>French Society for Immunology, Lille 4-6 November 2014</td>
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<td>Dr Delphine Boche</td>
<td>Southampton</td>
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<td>Instituto Neurologico Carlo Besta – Sanofi-Genzyme, Milan 28 November 2014</td>
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<td>Dr Delphine Boche</td>
<td>Southampton</td>
<td>Presentation</td>
<td>The 12th International Conference on Alzheimer’s &amp; Parkinson’s Nice, France, March 18-22 2015</td>
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<td>Annual Conference of Alzheimer’s Research UK – 2012 Birmingham, UK</td>
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<td>Pilot study comparing microglial markers in different neurological diseases known to be associated with inflammation</td>
<td>Dr Delphine Boche</td>
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<td>10th European Congress of Neuropathology –2012 Edinburgh, UK</td>
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<td>Southampton</td>
<td>Poster</td>
<td>Annual Network Conference of Alzheimer’s Research UK– 2013 Belfast, UK</td>
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<td>Poster</td>
<td>American Alzheimer’s International Conference – 2013 Boston US</td>
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<td>Southampton</td>
<td>Poster</td>
<td>11th SoNG meeting – 2013 Southampton, UK</td>
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<td>Research on Ageing Exhibition –2013 Southampton, UK</td>
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<td>Southampton</td>
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<td>British Neuropathological Society – 2013 London, UK</td>
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<td>Poster</td>
<td>Annual Network Conference of Alzheimer’s Research UK– 2013 Oxford, UK</td>
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<td>Dr Delphine Boche</td>
<td>Southampton</td>
<td>Poster</td>
<td>International Society for Neuropathology Conference – 2014 Rio de Janeiro, Brazil</td>
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<td>11/003</td>
<td>Pilot study – Microglia profile in schizophrenia</td>
<td>Dr Delphine Boche</td>
<td>Overview</td>
<td>Grant Application x 5</td>
<td>The Doctor Gustave Delport Funds (Belgium)</td>
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<td>11/003</td>
<td>Pilot study – Microglia profile in schizophrenia</td>
<td>Dr Delphine Boche</td>
<td>Corsellis</td>
<td>Poster x 2</td>
<td>MRC UK (BRAIN UK 15/010)</td>
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<td>11/003</td>
<td>Pilot study – Microglia profile in schizophrenia</td>
<td>Dr Delphine Boche</td>
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<td>Grant Application</td>
<td>Grant in preparation to explore the role of inflammation in schizophrenia to be submitted in Spring to the MRC, Neuroscience and Mental Health Board.</td>
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<td>11/003</td>
<td>Pilot study – Microglia profile in schizophrenia</td>
<td>Dr Delphine Boche</td>
<td>Corsellis</td>
<td>Grant Application</td>
<td>Multimodal investigation of a neuroinflammatory model in schizophrenia. Research Foundation Flanders, Belgium 2013</td>
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<td>11/003</td>
<td>Pilot study – Microglia profile in schizophrenia</td>
<td>Dr Delphine Boche</td>
<td>Corsellis</td>
<td>Grant Application</td>
<td>Multimodal Investigation of Neuroinflammation In Schizophrenia towards Novel Drug Targets. ERA-Net Neuron, call for translational Research Projects 2014</td>
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<td>11/003</td>
<td>Pilot study – Microglia profile in schizophrenia</td>
<td>Dr Delphine Boche</td>
<td>Corsellis</td>
<td>Poster</td>
<td>22nd European Congress of Psychiatry (EPA 2014), Munich, Germany, 1-4 March 2014</td>
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<td>11/003</td>
<td>Pilot study – Microglia profile in schizophrenia</td>
<td>Dr Delphine Boche</td>
<td>Corsellis</td>
<td>Poster</td>
<td>European Congress of Neuropsychopharmacology (ECNP) Workshop on Neuropsychopharmacology for Junior Scientists in Europe, 6-9 March 2014, Nice, France.</td>
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<td>11/004</td>
<td>Response of stem cells in the human brain to acute hypoxic/ischaemic injury</td>
<td>Prof James Nicoll</td>
<td>Glasgow</td>
<td>Overview</td>
<td>Abstract x 1</td>
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<tr>
<td>11/005</td>
<td>Fight Alpers’</td>
<td>Prof Robert Taylor</td>
<td>Overview</td>
<td>Publication x 1</td>
<td>Abstract x 1</td>
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<td>11/005</td>
<td>Fight Alpers’</td>
<td>Prof Robert Taylor</td>
<td>Bristol; Oxford</td>
<td>Presentation x 2</td>
<td>Abstract x 1</td>
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<td>11/005</td>
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<td>Abstract (Published)</td>
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<td>11/005</td>
<td>Fight Alpers’</td>
<td>Prof Robert Taylor</td>
<td>Bristol; Oxford</td>
<td>Abstract (Published)</td>
<td>Hannah Hayhurst submitted an outline of the results to the Association of Clinical Pathologists for a prize &amp; they published an outline of the work done in their magazine ‘ACP news’.</td>
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<tr>
<td>11/005</td>
<td>Fight Alpers’</td>
<td>Prof Robert Taylor</td>
<td>Bristol; Oxford</td>
<td>Poster x 2</td>
<td>Oral presentation at North East Postgraduate (NEPG) annual conference 2016: Maria-Eleni Anagnostou, Robert McFarland, Doug Turnbull and Nichola Z. Lax. Understanding the neuropathology of Alpers’ syndrome.</td>
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<td>11/006</td>
<td>Comparative analysis of neuropathology in Huntington’s disease brains</td>
<td>Prof Anne E. Rosser</td>
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<td>Overview</td>
<td>Grant Application x 1 Presentation x 1</td>
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<tr>
<td>11/006</td>
<td>Comparative analysis of neuropathology in Huntington’s disease brains</td>
<td>Prof Anne E. Rosser</td>
<td>Corsellis</td>
<td>Grant Application</td>
<td>We are currently writing a grant proposal for The Anatomical Society to secure more funding. The closing deadline is 26th of August 2016 for this project.</td>
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<tr>
<td>11/006</td>
<td>Comparative analysis of neuropathology in Huntington’s disease brains</td>
<td>Prof Anne E. Rosser</td>
<td>Corsellis</td>
<td>Presentation</td>
<td>Presentation at “Differential sensitivity of aggregate markers in HD brain” at The Anatomical Society Conference in Oxford. 23 -25th of July 2018</td>
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<td>11/008</td>
<td>ADAM17 in subarachnoid haemorrhage</td>
<td>Dr Delphine Boche</td>
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<td>Overview</td>
<td>Publication x 2 Grant Application x 1 Presentation x 1 Poster x 5</td>
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<td>11/008</td>
<td>ADAM17 in subarachnoid haemorrhage</td>
<td>Dr Delphine Boche</td>
<td>Southampton; Bristol</td>
<td>Grant Application</td>
<td>Medical Research Council (2014-2018) Developing haptoglobin as a novel intracranial therapeutic. Galea I (supervisor), Boche D (co-supervisor) (MRC Industrial CASE Studentship MR/L01453X/1).</td>
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<td>11/008</td>
<td>ADAM17 in subarachnoid haemorrhage</td>
<td>Dr Delphine Boche</td>
<td>Southampton; Bristol</td>
<td>Presentation</td>
<td>British Neurosurgery Research Group Spring Conference March 2014</td>
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<td>ADAM17 in subarachnoid haemorrhage</td>
<td>Dr Delphine Boche</td>
<td>Southampton; Bristol</td>
<td>Poster</td>
<td>Vasospasm 2013, Lucerne, July 2013</td>
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<td>11/008</td>
<td>ADAM17 in subarachnoid haemorrhage</td>
<td>Dr Delphine Boche</td>
<td>Southampton; Bristol</td>
<td>Poster</td>
<td>Society of British Neurological Surgeons Autumn Meeting, Romford, September 2013</td>
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<td>11/008</td>
<td>ADAM17 in subarachnoid haemorrhage</td>
<td>Dr Delphine Boche</td>
<td>Southampton; Bristol</td>
<td>Poster</td>
<td>Doctors Academy 4th International Academic and Research Conference, Cambridge, August 2014</td>
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<td>Poster</td>
<td>Southampton Neuroscience Group Annual Conference, Southampton, September 2014</td>
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<td>Dr Delphine Boche</td>
<td>Southampton; Bristol</td>
<td>Poster</td>
<td>Society of British Neurological Surgeons Spring Meeting, Southampton, April 2015</td>
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<tr>
<td>12/001</td>
<td>Pilot study to identify mast cells and basophils in brain</td>
<td>Dr Delphine Boche</td>
<td>Overview</td>
<td>Publication x 1</td>
<td>Deakin A, Nicoll JAR, Walls A, Boche D. Subpopulations of mast cells in neuroinflammatory diseases. 2015</td>
</tr>
<tr>
<td>12/001</td>
<td>Pilot study to identify mast cells and basophils in brain</td>
<td>Dr Delphine Boche</td>
<td>Publication</td>
<td>Poster</td>
<td>Annual Meeting of the British Society of Allergy and Clinical Immunology 2013</td>
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<tr>
<td>12/002</td>
<td>Neuropathology of autoimmune/limbic encephalitis associated with antibodies against voltage-gated potassium channels</td>
<td>Dr Aditya Shivane</td>
<td>Overview</td>
<td>Abstract x 1</td>
<td>A.Shivane, D A.Hilton, S Weatherby, B McLean, Neuropathology and Applied Neurobiology 2012; 38 (S1): 41.</td>
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<tr>
<td>12/003</td>
<td>Neuropathological examination of neurons, glial cells, axons and molecular factors in mood and affective disorders</td>
<td>Prof Federico Turkheimer</td>
<td>Corsellis</td>
<td>Publication</td>
<td>Williams MR, Pearce RKB, Hirsch SR, Ansorge O, Thom M &amp; Maier M (2014). Fibrillary astrocytes are decreased in the subgenual cingulate in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience. 264:357-362</td>
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<td>Corsellis</td>
<td>Publication</td>
<td>MR Williams, P Sharma, RKB Pearce, SR Hirsch, &amp; M Maier (2014) Axonal myelin decrease in the callosal splenium in depression but not schizophrenia. In review with Psychological Medicine.</td>
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<td>Fibrillary astrocytes are decreased in the subgenual cingulate in schizophrenia. Williams MR, Pearce RKB, Hirsch SR, Maier M. BAP Summer Meeting (2014), Cambridge, UK.</td>
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<td>Evidence for stem cell neuroprotection in genetic ataxias</td>
<td>Dr Kevin Kemp</td>
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<td>12/004</td>
<td>Evidence for stem cell neuroprotection in genetic ataxias</td>
<td>Dr Kevin Kemp</td>
<td>Bristol; Corsellis; Oxford; Southampton</td>
<td>Grant Application</td>
<td>Studying G-CSF as a potential treatment for Friedreich’s Ataxia. Wellcome Trust EBI TRACK (awarded 2017 for an 18 month period)</td>
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<td>Dr Kevin Kemp</td>
<td>Bristol; Corsellis; Oxford; Southampton</td>
<td>Abstract (Published)</td>
<td>Abstract (Published and Presentation: Bristol Brain Research: Showcase and Networking Day. Bristol, UK (Abstract, Jan, 2018)</td>
</tr>
<tr>
<td>12/004</td>
<td>Evidence for stem cell neuroprotection in genetic ataxias</td>
<td>Dr Kevin Kemp</td>
<td>Bristol; Corsellis; Oxford; Southampton</td>
<td>Presentation</td>
<td>Institute of Clinical Neurosciences Research Forum. Bristol, UK. 2014.</td>
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<td>Evidence for stem cell neuroprotection in genetic ataxias</td>
<td>Dr Kevin Kemp</td>
<td>Bristol; Corsellis; Oxford; Southampton</td>
<td>Presentation</td>
<td>International Ataxia research conference, London, UK. 2015</td>
</tr>
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<td>12/004</td>
<td>Evidence for stem cell neuroprotection in genetic ataxias</td>
<td>Dr Kevin Kemp</td>
<td>Bristol; Corsellis; Oxford; Southampton</td>
<td>Presentation</td>
<td>The Cerebellum in friedreichs ataxia. Institute of Clinical Neurosciences Research Forum. Bristol, UK. 2015.</td>
</tr>
<tr>
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<td>Bristol; Corsellis; Oxford; Southampton</td>
<td>Presentation</td>
<td>International Ataxia research conference, Pisa, Italy. 2017</td>
</tr>
<tr>
<td>12/004</td>
<td>Evidence for stem cell neuroprotection in genetic ataxias</td>
<td>Dr Kevin Kemp</td>
<td>Bristol; Corsellis; Oxford; Southampton</td>
<td>Presentation</td>
<td>UK Sensory and Motor Conference, Bristol, UK. 2017</td>
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<tr>
<td>Ref</td>
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<td>12/009</td>
<td><em>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</em></td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Overview</td>
<td>Publication, Grant Application, Abstract, Poster</td>
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<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>SoNG Seminar - Southampton, UK February 2015</td>
</tr>
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<td>12/009</td>
<td><em>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</em></td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>CES Research Club - Southampton, UK May 2015</td>
</tr>
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<td>12/009</td>
<td><em>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</em></td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>FoM Research conference - Southampton, UK June 2015</td>
</tr>
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<td>12/009</td>
<td><em>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</em></td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>The role of the immune system in dementia, Alzheimer’s Research UK South Coast Network, University of Southampton (Highfield Campus), Southampton, UK, January 14, 2016 (outreach)</td>
</tr>
<tr>
<td>12/009</td>
<td><em>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</em></td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>The effects of acute systemic infection on Alzheimer’s disease, 117th Meeting of the British Neuropathological Society, London, UK, March 2-6, 2016 (Abstract and oral presentation)</td>
</tr>
<tr>
<td>12/009</td>
<td><em>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</em></td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>The effects of acute systemic infection on Fcγ receptors in Alzheimer’s disease, Alzheimer’s Research UK (ARUK) Conference, Manchester Town Hall, Manchester, UK, March 8-9, 2016 (poster and oral presentations)</td>
</tr>
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<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>Acute systemic infection promotes immunosuppression in Alzheimer’s disease, Faculty of Medicine Research Conference, University of Southampton, Southampton General Hospital, Southampton, UK, June 23, 2016 (oral presentation)</td>
</tr>
<tr>
<td>12/009</td>
<td>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>Acute systemic infection and immunosuppression in human brain affected by Alzheimer’s disease, 11th European Congress of Neuropathology (ECNP), Bordeaux, France, July 6-9, 2016 (poster and oral presentations)</td>
</tr>
<tr>
<td>12/009</td>
<td>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>Microglial immunophenotype in dementia. Centre for Neuroregeneration, University of Edinburgh, 20 February 2017</td>
</tr>
<tr>
<td>12/009</td>
<td>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Presentation</td>
<td>Microglial immunophenotype in Alzheimer's disease: effect of systemic infection. Feature session on peripheral influence on brain pathology. Alzheimer’s Association International Conference, London, UK 16-20 July 2017</td>
</tr>
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<td>12/009</td>
<td>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</td>
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<td>Glasgow; SWDBB</td>
<td>Poster</td>
<td>Annual Alzheimer’s Research UK – Oxford UK 2013</td>
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<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Poster</td>
<td>ARUK conference - London, UK March 2015</td>
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<td>12/009</td>
<td>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Poster</td>
<td>Microglial immunophenotype in Alzheimer’s disease, Keystone Symposium &quot;Microglia in the Brain&quot;, Keystone Resort Colorado, USA, June 12-16, 2016 (poster presentation)</td>
</tr>
<tr>
<td>12/009</td>
<td>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Poster</td>
<td>Acute systemic infection promotes immunosuppressive environment in human Alzheimer’s disease, Federation of European Neurosciences Societies (FENS) Forum of Neuroscience, Copenhagen, Denmark, July 2-6, 2016 (poster presentation)</td>
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<td>12/009</td>
<td>Investigation into the impact of systemic inflammation due to infection on microglial phenotype and its contribution to Alzheimer's disease neuropathology</td>
<td>Dr Delphine Boche</td>
<td>Glasgow; SWDBB</td>
<td>Poster</td>
<td>Acute systemic infection and Fcγ receptors in Alzheimer’s disease: an immunosuppressive environment, Alzheimer’s Association International Conference, Toronto, Canada, July 24-28, 2016 (poster presentation)</td>
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<td>12/010</td>
<td>The brain in Sudden and Unexpected Death in Epilepsy (SUDEP): new insights from pathology</td>
<td>Dr Maria Thom</td>
<td>Plymouth</td>
<td>Overview</td>
<td>Publication x 4 Abstract x 3 Presentation x 2 Poster x 2</td>
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<td>Dr Maria Thom</td>
<td>Plymouth</td>
<td>Publication</td>
<td>Audit of practice in SUDEP post mortems and neuropathological findings; NAN-2015-0094.R1.</td>
</tr>
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<td>12/010</td>
<td>The brain in Sudden and Unexpected Death in Epilepsy (SUDEP): new insights from pathology</td>
<td>Dr Maria Thom</td>
<td>Plymouth</td>
<td>Publication</td>
<td>We have recently submitted this paper to the BRAIN journal. ‘Neuropathology of SUDEP: Role of inflammation, blood-brain barrier impairment, and hypoxia. Michalak Z, Obari D, Ellis M, Thom M, Sisodiya SM’ has been published in Neurology2017 Feb 7;88(6):551-561.</td>
</tr>
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<td>12/010</td>
<td>The brain in Sudden and Unexpected Death in Epilepsy (SUDEP): new insights from pathology</td>
<td>Dr Maria Thom</td>
<td>Plymouth</td>
<td>Publication</td>
<td>We have a publication in Brain. 2018 Jun 1;141(6):1719-1733. doi: 10.1093/brain/awy078 on the medulla in SUDEP that includes Brain UK material and acknowledges this source.</td>
</tr>
<tr>
<td>12/010</td>
<td>The brain in Sudden and Unexpected Death in Epilepsy (SUDEP): new insights from pathology</td>
<td>Dr Maria Thom</td>
<td>Plymouth</td>
<td>Abstract (Published)</td>
<td>We have submitted an abstract entitled ‘Medullary astrocytic populations in Sudden Unexpected Death in Epilepsy’ for the BNS meeting in March 2018</td>
</tr>
<tr>
<td>12/010</td>
<td>The brain in Sudden and Unexpected Death in Epilepsy (SUDEP): new insights from pathology</td>
<td>Dr Maria Thom</td>
<td>Plymouth</td>
<td>Abstract (Published)</td>
<td>We have continued using material from the Brain UK, received from Deriford in 2013, for studies of Amygdala, Hippocampus and medulla in SUDEP and we have completed a study on the morphometry of the hippocampus in SUDEP. This was presented as an abstract at ICN meeting in Tokyo Sept 2018.</td>
</tr>
<tr>
<td>12/010</td>
<td>The brain in Sudden and Unexpected Death in Epilepsy (SUDEP): new insights from pathology</td>
<td>Dr Maria Thom</td>
<td>Plymouth</td>
<td>Presentation</td>
<td>We have presented this work utilising Brain UK tissues at the Centre for SUDEP Research meeting in Washington in December 2017.</td>
</tr>
<tr>
<td>12/010</td>
<td>The brain in Sudden and Unexpected Death in Epilepsy (SUDEP): new insights from pathology</td>
<td>Dr Maria Thom</td>
<td>Plymouth</td>
<td>Presentation</td>
<td>We have presented further work on the medulla at the BNS meeting in March 2018 (poster presentation, Patodia et al)</td>
</tr>
<tr>
<td>12/010</td>
<td>The brain in Sudden and Unexpected Death in Epilepsy (SUDEP): new insights from pathology</td>
<td>Dr Maria Thom</td>
<td>Plymouth</td>
<td>Poster</td>
<td>Neuropathology delineation of the Pre-Botzinger complex Submitted to 69th AES meeting as a poster 2015</td>
</tr>
<tr>
<td>13/001</td>
<td>Are neurodegenerative diseases and gliomas inverse comorbidities?</td>
<td>Dr Federico Roncaroli</td>
<td></td>
<td>Overview</td>
<td>Abstract x 1</td>
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<tr>
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<tr>
<td>13/001</td>
<td>Are neurodegenerative diseases and gliomas inverse comorbidities?</td>
<td>Dr Federico Roncaroli</td>
<td>n/a</td>
<td>Abstract (Published)</td>
<td>Presented as a poster at the 115th BNS meeting in March 2014: Parkinson’s disease and glioblastoma multiforme: An inverse comorbidity? G. Krite, P.F. Durrenberger, F. Calboli, J. Varley, F.E. Turkheimer, A. Gerhard, F. Roncaroli (poster 37) Published online in Neuropathol Appl Neurobiol 2014, vol 40; supplement S1 The manuscript is in preparation</td>
</tr>
<tr>
<td>13/002</td>
<td>Investigating inflammation of the normal appearing brain in patients with low-grade glioma</td>
<td>Dr Federico Roncaroli</td>
<td>Plymouth; Southampton</td>
<td>Overview</td>
<td>Presentation x 2</td>
</tr>
<tr>
<td>13/002</td>
<td>Investigating inflammation of the normal appearing brain in patients with low-grade glioma</td>
<td>Dr Federico Roncaroli</td>
<td>Plymouth; Southampton</td>
<td>Presentation</td>
<td>Presented as part of lecture: Pathophysiology of TSPO in brain diseases INMIND Symposium on Microglia Imaging and Biology The mitochondrial translocator protein (TSPO) and the pathophysiology of neuroinflammation and neurodegeneration University of Manchester 24th &amp; 25th of April 2014</td>
</tr>
<tr>
<td>13/010</td>
<td>Pilot study of cholesterol, lipids and LDL in Alzheimer's disease</td>
<td>Prof James Nicoll</td>
<td>Southampton</td>
<td>Publication</td>
<td>The study has provided the basis for a successful BSc (Sapna Pandya) and MSc (Shireen Padyachy).</td>
</tr>
<tr>
<td>13/010</td>
<td>Pilot study of cholesterol, lipids and LDL in Alzheimer's disease</td>
<td>Prof James Nicoll</td>
<td>Southampton</td>
<td>Grant Application</td>
<td>The study will be used as pilot data for a grant application planned to submit to ARUK in Jan 2017.</td>
</tr>
<tr>
<td>13/010</td>
<td>Pilot study of cholesterol, lipids and LDL in Alzheimer's disease</td>
<td>Prof James Nicoll</td>
<td>Southampton</td>
<td>Presentation</td>
<td>The role of vascular disease in dementia. House of Lords, All Party Parliamentary Food and Health Forum meeting on &quot;Diet &amp; Dementia&quot;, 14/07/2015.</td>
</tr>
<tr>
<td>13/011</td>
<td>DNA polymorphisms in mental illness (DPIM)</td>
<td>Dr Andrew McQuillin</td>
<td>Bristol; Nottingham; Oxford; Plymouth; Southampton</td>
<td>Overview</td>
<td>Poster x 2</td>
</tr>
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<td>13/011</td>
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<td>Dr Andrew McQuillin</td>
<td>Bristol; Nottingham; Oxford; Plymouth; Southampton</td>
<td>Poster</td>
<td>World Congress on Psychiatric Genetics, Copenhagen, 2014</td>
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<td>13/011</td>
<td>DNA polymorphisms in mental illness (DPIM)</td>
<td>Dr Andrew McQuillin</td>
<td>Bristol; Nottingham; Oxford; Plymouth; Southampton</td>
<td>Poster</td>
<td>World Congress on Psychiatric Genetics, Orlando, Florida, US, October 2017</td>
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<td>14/002</td>
<td>Age-modified forms of amyloid-β in a Drosophila model of neurodegeneration and in the brain of Aβ immunised Alzheimer’s disease patients</td>
<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Overview</td>
<td>Publication x 1, Abstract x 1, Presentation x 3, Poster x 9</td>
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<tr>
<td>14/002</td>
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<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Abstract (Published)</td>
<td>March 2016: The 117th Meeting of the British Neuropathological Society, London, UK. Selected oral communication: “Amyloid beta and APP in ageing and Alzheimer’s disease” Moro ML et al.</td>
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<tr>
<td>14/002</td>
<td>Age-modified forms of amyloid-β in a Drosophila model of neurodegeneration and in the brain of Aβ immunised Alzheimer’s disease patients</td>
<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Presentation</td>
<td>January 2016: &quot;Living with Dementia&quot;: one-day themed workshop, organized by Alzheimer’s research UK (ARUK) Southern Network and involving research scientists, clinicians and patients, to promote an interactive discussion about current research on dementia.</td>
</tr>
<tr>
<td>14/002</td>
<td>Age-modified forms of amyloid-β in a Drosophila model of neurodegeneration and in the brain of Aβ immunised Alzheimer’s disease patients</td>
<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Presentation</td>
<td>February 2016: Invited seminar at Southampton Neuroscience Group (SoNG): “Changes in APP and Ab in brain ageing and Alzheimer’s Disease.” Moro ML et al.</td>
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<td>14/002</td>
<td>Age-modified forms of amyloid-β in a Drosophila model of neurodegeneration and in the brain of Aβ immunised Alzheimer’s disease patients</td>
<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Presentation</td>
<td>August 2016: Benzon Symposium No. 62: Genome Instability and Neurodegeneration, Copenhagen, Denmark. Poster title: “Age-related changes in APP and Amyloid beta driving Alzheimer’s pathology” Moro ML et al. (poster presentation).</td>
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<td>Bristol; Glasgow</td>
<td>Poster</td>
<td>Annual Alzheimer’s Research UK – Oxford UK 2013</td>
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<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Poster</td>
<td>Early Career Researchers and Teaching Fellow Conference of the Faculty of Environmental and Natural Science, National Oceanography Centre, Southampton UK June 2014</td>
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<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Poster</td>
<td>The Human Brain - Southampton Neuroscience Group (SoNG) Conference 2014, Southampton UK September 2014</td>
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<td>14/002</td>
<td>Age-modified forms of amyloid-β in a Drosophila model of neurodegeneration and in the brain of Aβ immunised Alzheimer’s disease patients</td>
<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Poster</td>
<td>VI Meeting on the Molecular Mechanism of Neurodegeneration, Milano, Italy, May 2015</td>
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<td>14/002</td>
<td>Age-modified forms of amyloid-β in a Drosophila model of neurodegeneration and in the brain of Aβ immunised Alzheimer’s disease patients</td>
<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Poster</td>
<td>Faculty of Medicine Conference, University of Southampton, June 2015</td>
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<td>14/002</td>
<td>Age-modified forms of amyloid-β in a Drosophila model of neurodegeneration and in the brain of Aβ immunised Alzheimer’s disease patients</td>
<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Poster</td>
<td>March 2016: The Alzheimer's Research UK Conference 2016, Manchester, UK. Poster title: “The use of drosophila to validate the toxic amyloid beta oligomer hypothesis” Moro ML et al.</td>
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<td>Bristol; Glasgow</td>
<td>Poster</td>
<td>July 2016: The Alzheimer’s Association International Conference 2016, Toronto, Canada. Poster title: “Age-related changes in APP and Amyloid Beta” Moro ML et al.</td>
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<td>Age-modified forms of amyloid-β in a Drosophila model of neurodegeneration and in the brain of Aβ immunised Alzheimer's disease patients</td>
<td>Dr Delphine Boche</td>
<td>Bristol; Glasgow</td>
<td>Poster</td>
<td>July 2016: 10th FENS Forum of Neuroscience, Copenhagen, Denmark. Poster title: “Age-modified forms of Amyloid Beta and Alzheimer’s Disease” Moro ML et al.</td>
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<td>14/004</td>
<td>Pilot study: Expression analysis of candidate transcripts potentially involved in human brain tumourigenesis</td>
<td>Dr Claudia Barros</td>
<td>Plymouth</td>
<td>Grant Application</td>
<td>Brain Research UK award (start April 2018) - project grant ref:201617-05, title: Identification of novel genes controlling human glioblastoma initiation and growth mechanisms.</td>
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<tr>
<td>14/004</td>
<td>Pilot study: Expression analysis of candidate transcripts potentially involved in human brain tumourigenesis</td>
<td>Dr Claudia Barros</td>
<td>Plymouth</td>
<td>Grant Application</td>
<td>Brain Tumour Research award (part of larger grant awarded to our Centre of Excellence, Faculty of Medicine, University of Plymouth).</td>
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<tr>
<td>14/004</td>
<td>Pilot study: Expression analysis of candidate transcripts potentially involved in human brain tumourigenesis</td>
<td>Dr Claudia Barros</td>
<td>Plymouth</td>
<td>Presentation</td>
<td>Brain Tumour Workshop (Plymouth University School of Medicine Seminar Series) - Swindon, UK 2015</td>
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<tr>
<td>14/004</td>
<td>Pilot study: Expression analysis of candidate transcripts potentially involved in human brain tumourigenesis</td>
<td>Dr Claudia Barros</td>
<td>Plymouth</td>
<td>Presentation</td>
<td>British/Spanish/Portuguese societies for Developmental and Cell Biology joint Meeting - Algarve, Portugal, October 2015</td>
</tr>
<tr>
<td>14/004</td>
<td>Pilot study: Expression analysis of candidate transcripts potentially involved in human brain tumourigenesis</td>
<td>Dr Claudia Barros</td>
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<td>British Developmental, Cell Biology and Genetics Societies Meeting (Warwick, UK, April 2016)</td>
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<td>Dr Claudia Barros</td>
<td>Plymouth</td>
<td>Presentation</td>
<td>Brain tumour Research UK Org. Workshops (2016)</td>
</tr>
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<td>Dr Claudia Barros</td>
<td>Plymouth</td>
<td>Presentation</td>
<td>BSDB meeting Warwick April 2018 (poster presentation)</td>
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<tr>
<td>Ref</td>
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<td>14/004</td>
<td>Pilot study: Expression analysis of candidate transcripts potentially involved in human brain tumourigenesis</td>
<td>Dr Claudia Barros</td>
<td>Plymouth</td>
<td>Poster</td>
<td>Drosophila as a Model in Cancer Meeting - Barcelona, June 2015</td>
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<tr>
<td>14/006</td>
<td>Large scale genetic and epigenetic screen of chordoma</td>
<td>Prof Adrienne Flanagan</td>
<td></td>
<td>Overview</td>
<td>Publication x 2</td>
</tr>
<tr>
<td>14/006</td>
<td>Large scale genetic and epigenetic screen of chordoma</td>
<td>Prof Adrienne Flanagan</td>
<td>Cambridge; Hull; Lancashire; Plymouth; Southampton; UCL</td>
<td>Publication</td>
<td>Am J surg pathol paper in press; H3F3A (Histone 3.3) G34W immunohistochemistry: a reliable marker defining benign and malignant giant cell tumour of bone. Fernanda Amary, Fitim Berisha, Hongtao Ye, Manu Gupta, Alice Gutteridge, Daniel Baumhoer, Rebecca Gibbons, Roberto Tirabosco, Paul O'Donnell, Adrienne M Flanagan. - samples used as controls.</td>
</tr>
<tr>
<td>14/008</td>
<td>An analysis of PPAR expression in human gliomas: its use as a novel diagnostic, prognostic and predictive biomarker</td>
<td>Dr Kathreena Kurian</td>
<td></td>
<td>Overview</td>
<td>Publication x 3 Grant Application x 1 Abstract x 2 Presentation x 1 Poster x 3</td>
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<td>An analysis of PPAR expression in human gliomas: its use as a novel diagnostic, prognostic and predictive biomarker</td>
<td>Dr Kathreena Kurian</td>
<td>Bristol</td>
<td>Presentation</td>
<td>shRNA-mediated PPARα knockdown in human glioma stem cells reduces in vitro proliferation and inhibits orthotopic xenograft tumour growth HR Haynes 1,2*, HL Scott 3†, CL Killick-Cole 4†, G Shaw 5, T Brend 5, KM Hares 6, J Redondo 6, KC Kemp 6, LS Ballesteros 7, A Herman 7, O Cordero-Llana 3, WG Singleton 4,8, F Mills 9, T Batstone 10, H Bulstrode 11, RA Kauppinen 12, H Wurdak 13, JB Uney 3, SC Short 5, A Wilkins 6, KM Kurian 1.</td>
</tr>
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<td>Dr Kathreena Kurian</td>
<td>Bristol</td>
<td>Grant Application</td>
<td>Pathological Society &amp; Jean Shanks Foundation Pathological Research Training Fellowship 2014  Ligand Activated transcription Factors PPARα and PPARγ expression in human gliomas.</td>
</tr>
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<td>14/008</td>
<td>An analysis of PPAR expression in human gliomas: its use as a novel diagnostic, prognostic and predictive biomarker</td>
<td>Dr Kathreena Kurian</td>
<td>Bristol</td>
<td>Abstract (Published)</td>
<td>26th European Congress of Pathology, London September 2014 Abstract: Virchows Archive 2014; 465: s1</td>
</tr>
<tr>
<td>14/008</td>
<td>An analysis of PPAR expression in human gliomas: its use as a novel diagnostic, prognostic and predictive biomarker</td>
<td>Dr Kathreena Kurian</td>
<td>Bristol</td>
<td>Presentation</td>
<td>Japanese Society of Pathology Annual Meeting Nagoya, Japan, April 2015</td>
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<td>Dr Kathreena Kurian</td>
<td>Bristol</td>
<td>Poster</td>
<td>PPAR expression in glioblastoma has prognostic impact and is a putative glioma stem cell predictive biomarker National Poster Presentation: Pathological Society Clinical Academic Pathology Forum, Leeds, October 2015</td>
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<td>Dr Kathreena Kurian</td>
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<td>Poster</td>
<td>PPAR expression in glioblastoma has prognostic impact and is a putative glioma stem cell predictive biomarker National Poster Presentation: 117th Meeting of the British Neuropathological Society. London, UK March 2016.</td>
</tr>
<tr>
<td>14/010</td>
<td>Designing a glioma panel</td>
<td>Dr Kathreena Kurian</td>
<td></td>
<td>Overview</td>
<td>Publication x 1  Poster x 2</td>
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<tr>
<td>14/010</td>
<td>Designing a glioma panel</td>
<td>Dr Kathreena Kurian</td>
<td>Bristol</td>
<td>Poster</td>
<td>“The assessment of Next Generation Sequencing to provide a comprehensive genetic test for brain tumour samples” was undertaken as part of an MSc Clinical Genetics by Rebecca Lewis, in order to provide pilot data for this project. 11 of the samples used for this project were brain tumour samples – Results presented in poster format at BNOS meeting, Nottingham 2015.</td>
</tr>
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<td>Poster</td>
<td>Poster presented at BNOS Edinburgh 2017 - abstract published in conference programme. &quot;Mutational landscape of primary and recurrent glioblastoma reveals potentially actionable single nucleotide variants (SNVs) including NOTCH, SHH and WNT pathway variation.&quot;</td>
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<tr>
<td>14/012</td>
<td>Identifying and characterising treatment-resistant subclones in glioblastoma multiforme</td>
<td>Dr Lucy Stead</td>
<td>Cambridge; Imperial</td>
<td>Publication</td>
<td>University Academic Fellowship application to The University of Leeds. Personal fellowship to LF Stead (TBC Dec 2015: 5 yrs duration)</td>
</tr>
<tr>
<td>14/012</td>
<td>Identifying and characterising treatment-resistant subclones in glioblastoma multiforme</td>
<td>Dr Lucy Stead</td>
<td>Cambridge; Imperial</td>
<td>Grant Application</td>
<td>New Ideas Award application to The Brain Tumour Charity with BRAIN_UK listed as a collaborator: Characterising the treatment-resistant cells that drive GBM recurrence. PI: LF Stead. Co-applicants: S. Short and A.Gusnanto (TBC Feb 2016: 1 year duration)</td>
</tr>
<tr>
<td>14/012</td>
<td>Identifying and characterising treatment-resistant subclones in glioblastoma multiforme</td>
<td>Dr Lucy Stead</td>
<td>Cambridge; Imperial</td>
<td>Presentation</td>
<td>BNOS oral presentation June 2016</td>
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<td>Cambridge; Imperial</td>
<td>Presentation</td>
<td>Glioma Club oral presentation Oct 2016</td>
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<tr>
<td>14/013</td>
<td>Functional characteristics of rare risk variants in TREM2 associated with Alzheimer’s disease</td>
<td>Dr Angela Hodges</td>
<td>Overview</td>
<td>Poster x 3</td>
<td>Murray, C.E., A. King, C. Troakes, A. Hodges and T. Lashley (2018). APOE ε4 is also required in TREM2 R47H variant carriers for Alzheimer's disease to develop NEUROPATHOLOGY AND APPLIED NEUROBIOLOGY; Presentation at Summer Research Institute: Chronic Inflammation, Beijing (August 18-28, 2018)</td>
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<td>Presentation</td>
<td>ARUK conference invited speaker, Manchester, 8-9 March 2016</td>
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<td>Oral Presentation at International Congress Immunology, Melbourne, 21-26 August 2016</td>
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<td>Poster Presentation AAIC, Toronto, 22-28 July 2016</td>
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<td>Poster</td>
<td>Poster Presentation AAIC, London, 16-20 July 2017</td>
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<td>14/013</td>
<td>Functional characteristics of rare risk variants in TREM2 associated with Alzheimer’s disease</td>
<td>Dr Angela Hodges</td>
<td>Southampton</td>
<td>Poster</td>
<td>EU IMI Grant PHAGO Annual Meeting, Paris, 25-27 October 2017</td>
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<tr>
<td>14/015</td>
<td>The role of Endogenous Retroviral proteins in the development of the tumours of the nervous system and as potential immunotherapy and/or drug targets</td>
<td>Dr Sylwia Ammoun</td>
<td>Plymouth</td>
<td>Overview</td>
<td>Grant Application x 3 Abstract x 2</td>
</tr>
<tr>
<td>14/015</td>
<td>The role of Endogenous Retroviral proteins in the development of the tumours of the nervous system and as potential immunotherapy and/or drug targets</td>
<td>Dr Sylwia Ammoun</td>
<td>Plymouth</td>
<td>Grant Application</td>
<td>2015 Internal PhD stipend: ‘Endogenous Retroviral proteins as potential drug targets for Merlin-deficient tumours and their role in tumour development’ Sylwia Ammoun: lead applicant and PI, Robert Belshaw: co-applicant. November 2016- November 2019.</td>
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<td>Dr Sylwia Ammoun</td>
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<td>Grant Application</td>
<td>2016 Action Medical Research for children: ‘The role of Endogenous Retroviral proteins in the development of Merlin-deficient tumours and as potential immunotherapy and/or drug targets’. Sylwia Ammoun: lead applicant and PI, Robert Belshaw: co-applicant. September 2016-September 2018.</td>
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<td>Dr Sylwia Ammoun</td>
<td>Plymouth</td>
<td>Abstract (Published)</td>
<td>CONFERENCES: We have presented schwannoma results at two conferences: 2) British Neuro-Oncology Society (BNOS) Annual Meeting, Leeds UK, 2016 (abstract published).</td>
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<tr>
<td>14/015</td>
<td>The role of Endogenous Retroviral proteins in the development of the tumours of the nervous system and as potential immunotherapy and/or drug targets</td>
<td>Dr Sylwia Ammoun</td>
<td>Plymouth</td>
<td>Abstract (Published)</td>
<td>We have presented schwannoma results at two conferences: 1) CTF meeting, Washington, USA 2017 (abstract published)</td>
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<tr>
<td>14/016</td>
<td>Molecular Characterisation of Childhood Craniopharyngioma and Identification and Testing of Novel Drug Targets</td>
<td>Dr Juan-Pedro Martinez-Barbera</td>
<td></td>
<td>Overview</td>
<td>Publication x 3 Abstract x 6 Presentation x 2</td>
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<td>14/016</td>
<td>Molecular Characterisation of Childhood Craniopharyngioma and Identification and Testing of Novel Drug Targets</td>
<td>Dr Juan-Pedro Martinez-Barbera</td>
<td>Edinburgh; GOSH; Plymouth; UCL; Walton Centre</td>
<td>Abstract (Published)</td>
<td>Pathology Society Winter Meeting (published abstract and Presentation), January 2016, London, UK: Apps JR, Jani N, Gonzalez-Meljem JM, Tossell K, Carroll T, Ungless MA, Gil J, Williams H, Jacques TS, Martinez-Barbera JP, Clusters of Nuclear Beta-Catenin Accumulating Cells Form Secretory Hubs in Adamantinomatous Craniohyperangioma, J. Pathol, 2016, 238 (S1), S4</td>
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<td>Dr Juan-Pedro Martinez-Barbera</td>
<td>Edinburgh; GOSH; Plymouth; UCL; Walton Centre</td>
<td>Abstract (Published)</td>
<td>Published abstract; Expression profiling of Adamantinomatous Craniohyperangioma reveals a complex tissue environment resembling the developing tooth, British Neuropathological Society, Winter meeting 2017, London</td>
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</tbody>
</table>

**Notes:**
- **PI:** Principal Investigator
- **Supported By:** Institution or funding body
- **Presentation Type:** Type of presentation or publication
- **Outputs:** Details of the outputs includes results included in specific publications, presentations, and abstracts.
<table>
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<tr>
<th>Ref</th>
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<td>14/016</td>
<td>Molecular Characterisation of Childhood Craniopharyngioma and Identification and Testing of Novel Drug Targets</td>
<td>Dr Juan-Pedro Martinez-Barbera</td>
<td>Edinburgh; GOSH; Plymouth; UCL; Walton Centre</td>
<td>Presentation</td>
<td>British Neuro-oncology Society: Glioma Club, 2016, London, UK, Apps JR: Molecular profiling and preclinical targeted therapy testing for adamantinomatous craniopharyngioma</td>
</tr>
<tr>
<td>14/016</td>
<td>Molecular Characterisation of Childhood Craniopharyngioma and Identification and Testing of Novel Drug Targets</td>
<td>Dr Juan-Pedro Martinez-Barbera</td>
<td>Edinburgh; GOSH; Plymouth; UCL; Walton Centre</td>
<td>Presentation</td>
<td>Results also presented at International Symposium in Paediatric Neuro-oncology, Denver, July 2018</td>
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<tr>
<td>14/017</td>
<td>Electron microscopic study of CAA</td>
<td>Dr Roxana Carare</td>
<td></td>
<td>Overview</td>
<td>Publication x 1</td>
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<tr>
<td>14/017</td>
<td>Electron microscopic study of CAA</td>
<td>Dr Roxana Carare</td>
<td>Southampton</td>
<td>Publication</td>
<td>PhD thesis, Alan Morris, 2015</td>
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<tr>
<td>15/001</td>
<td>Intratumoural Heterogeneity in GBM</td>
<td>Dr Kathreena Kurian</td>
<td>Southampton</td>
<td>Overview</td>
<td>Publication x 1</td>
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<tr>
<td>15/002</td>
<td>Investigating cortical development in Trisomy 21</td>
<td>Dr Rick Livesey</td>
<td></td>
<td>Overview</td>
<td>Poster x 1</td>
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<tr>
<td>15/005</td>
<td>Dissecting the origins of central nervous system tumours exhibiting neumonesodermal differentiation</td>
<td>Dr Anestis Tsakiridis</td>
<td>Overview</td>
<td>Grant Application</td>
<td>We submitted a letter of intent application to Brain Tumour Charity (Quest for Cures call) last year. We are currently trying to generate cell lines from primary tumour material and if successful we will publish these findings together with the data obtained from the staining of the sections. This is likely to be a high impact publication.</td>
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<tr>
<td>15/008</td>
<td>Investigating the role of Astrocytes and Microglia in the development of Alzheimer’s Disease in Down Syndrome</td>
<td>Dr Keith Murai</td>
<td>Overview</td>
<td>Abstract</td>
<td>11th Annual Canadian Neuroscience Meeting, Montreal, Quebec, Canada, May 28-31, 2017, abstract published</td>
</tr>
<tr>
<td>15/010</td>
<td>Brain inflammation and plasticity in schizophrenia and acute psychosis (amended title).</td>
<td>Dr Delphine Boche</td>
<td>Grant Application</td>
<td>Grant submitted: “Brain Inflammation and Plasticity in Schizophrenia and Acute Psychosis” - ERC Advance Grant scheme Dr Boche (PI), Dr Chance (Co-PI, Oxford), Prof Van Der Veken (Co-PI, Antwerp, Belgium) outcome expected in June 2017</td>
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<td>15/010</td>
<td>Brain inflammation and plasticity in schizophrenia and acute psychosis (amended title).</td>
<td>Dr Delphine Boche</td>
<td>Poster</td>
<td>A poster was presented at the 31st European College of Neuropsychopharmacology Congress in Barcelona 2018.</td>
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<td>15/011</td>
<td>A pilot study analyzing the effect of driver mutations on the (phospho)proteome and microenvironment of meningiomas</td>
<td>Prof Oliver Hanemann</td>
<td>Plymouth; UCL</td>
<td>Overview</td>
<td>Abstract x 3 Presentation x 12</td>
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<td>A pilot study analyzing the effect of driver mutations on the (phospho)proteome and microenvironment of meningiomas</td>
<td>Prof Oliver Hanemann</td>
<td>Plymouth; UCL</td>
<td>Abstract (Published)</td>
<td>117th British Neuropathology Meeting (3rd March 2016); Royal College of Physicians, 11 St Andrews Place, London NW1 4LE; Abstract published and 10 minute presentation. Proteomics work was presented by PhD student (Jemma Dunn)</td>
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<td>Plymouth; UCL</td>
<td>Abstract (Published)</td>
<td>Published abstract: Dunn J, Ferluga S, Lasonder E, Hanemann CO (2018) Global proteome and phosphoproteome analysis of meningiomas. Neuro-Oncology 20 (suppl_1): i15</td>
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<td>Prof Oliver Hanemann</td>
<td>Plymouth; UCL</td>
<td>Presentation</td>
<td>CO Hanemann presented data at the inaugural meeting of the British Irish Meningioma Society in Cambridge in May 2016 Preliminary miRNA data has supported the Marie Curie Actions grant application for Research Fellow (Dr Daniele Baiz) entitled 'Comparison between miRNome and phosphoproteome signatures to reveal novel biomarkers in meningioma'.</td>
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<td>Prof Oliver Hanemann</td>
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<td>Presentation</td>
<td>Brain Tumour Research - Research Workshop (28/29th September 2016); Marsh Farm Hotel, Swindon, Wilts, SN4 8ER. Poster. Proteomics work was presented by PhD student (Jemma Dunn)</td>
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<td>Plymouth; UCL</td>
<td>Presentation</td>
<td>Glioma Club 2016 (28th October 2016); National Hospital for Neurology and Neurosurgery, 33 Queen Square, London WC1N 3BG; 10 minute presentation, no abstract required. Proteomics work was presented by PhD student (Jemma Dunn)</td>
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<td>Presentation</td>
<td>Postdoctoral researcher (Sara Ferluga) poster presentation-Ferluga S, Baiz D, Dunn J, Hilton DA, Bassiri K, Sharma V, Adams C, Lasonder E, Hanemann CO. Proteome and phosphoproteome analysis identifies STAT1 as a novel target in different grade meningiomas. WFNOS 2017 5th Quadrennial Meeting. Zurich, CH. May 4-7, 2017.</td>
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<td>Presentation</td>
<td>PhD student Jade Lyons Rimmer poster presentation entitled 'The potential of CRL4DCAF1 and KSR1 as therapeutic targets in merlin-deficient tumours; Brain Tumor Meeting 2017, Berlin18-19/05/2017</td>
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<tr>
<td>15/011</td>
<td>A pilot study analyzing the effect of driver mutations on the (phospho)proteome and microenvironment of meningiomas</td>
<td>Prof Oliver Hanemann</td>
<td>Plymouth; UCL</td>
<td>Presentation</td>
<td>PhD student- Jade Lyons Rimmer- Poster presentation - The potential of CRL4DCAF1 and KSR1 as therapeutic targets in merlin-deficient meningioma Meeting - BNOS 2017: Engaging Science Enhancing Survival, Edinburgh; 21-23/06/2017</td>
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15/011 A pilot study analyzing the effect of driver mutations on the (phospho)proteome and microenvironment of meningiomas

Prof Oliver Hanemann
Plymouth; UCL

Presentation


15/011 A pilot study analyzing the effect of driver mutations on the (phospho)proteome and microenvironment of meningiomas

Prof Oliver Hanemann
Plymouth; UCL

Presentation

PhD student Jade Lyons Rimmer poster presentation -The Potential of CRL4-DCAF1 and KSR1 as Therapeutic Targets in Merlin-deficient Meningioma and Schwannoma - Rasopathies in Asia: Advances in Rasopathies and Neurofibromatoses; Identification of New Therapeutic Targets 2017, Kerala, India 27-29/11/2017

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15/011 A pilot study analyzing the effect of driver mutations on the (phospho)proteome and microenvironment of meningiomas

Prof Oliver Hanemann
Plymouth; UCL

Presentation

PhD student Caterina Negroni poster presentation-Negroni C, Ercolano E, Adams C, Hilton D, Baiz D, and CO Hanemann.- Lower miR-195 and -497 levels in circulating exosomes correlate with meningioma progression via upregulation of GATA4- Making it personal: cancer precision medicine, Bergamo, Italy, 5-7 November 2018

15/012 Investigating the role of macrophages in schwannoma tumours of the PNS.

Prof David Parkinson

Overview

Abstract x 1

15/012 Investigating the role of macrophages in schwannoma tumours of the PNS.

Prof David Parkinson
Plymouth

Abstract (Published)

Abstract and oral presentation at British Neuropathological Society meeting Spring 2017 (March 1st -3rd).

15/015 Examining the genomic landscape of rare brain tumour types

Dr Kathreena Kurian

Overview

Publication x 1
<table>
<thead>
<tr>
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<th>PI</th>
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<td>15/019</td>
<td>Chronic traumatic encephalopathy (CTE) pathology in the brains of boxers</td>
<td>Prof Steve Gentleman</td>
<td>Corsellis</td>
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<td>Publication x 1 Abstract x 1 Presentation x 12</td>
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<td>15/019</td>
<td>Chronic traumatic encephalopathy (CTE) pathology in the brains of boxers</td>
<td>Prof Steve Gentleman</td>
<td>Corsellis</td>
<td>Abstract (Published)</td>
<td>Abstract accepted for the 118th British Neuropathological Society Meeting, Mar 2017 &quot;Chronic Traumatic Encephalopathy: Unearthing pathology in archival tissue&quot;.</td>
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<td>15/019</td>
<td>Chronic traumatic encephalopathy (CTE) pathology in the brains of boxers</td>
<td>Prof Steve Gentleman</td>
<td>Corsellis</td>
<td>Presentation</td>
<td>Talk given by SG at the Sports Concussion Symposium at UCL Nov 2016 &quot;Traumatic brain injury and the link to neurodegeneration&quot;.</td>
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<td>15/019</td>
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<td>Prof Steve Gentleman</td>
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<td>Presentation</td>
<td>Neuropathology of repetitive mild traumatic brain injury. Royal Society of Medicine, Mar 2017</td>
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<td>15/019</td>
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<td>Prof Steve Gentleman</td>
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<td>Presentation</td>
<td>Neuropathology of repetitive mild traumatic brain injury. Football and dementia summit, Hampden Park, Glasgow Jun 2017</td>
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<td>Prof Steve Gentleman</td>
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<td>Presentation</td>
<td>Boxing and the brain: chronic traumatic encephalopathy or not? (delivered by Marc Goldsmith) UKSCR Symposium, Nov 2017.</td>
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<td>15/019</td>
<td>Chronic traumatic encephalopathy (CTE) pathology in the brains of boxers</td>
<td>Prof Steve Gentleman</td>
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<td>From trauma to tau: the link between traumatic brain injury and neurodegeneration. SINDEM, Bressanone, Italy, Jan 2018</td>
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<td>Chronic traumatic encephalopathy (CTE) pathology in the brains of boxers</td>
<td>Prof Steve Gentleman</td>
<td>Corsellis</td>
<td>Presentation</td>
<td>The blood brain barrier in chronic traumatic encephalopathy: An investigation into disease pathology and progression. 119th British Neuropath Society, London, UK, Mar 2018</td>
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<td>15/019</td>
<td>Chronic traumatic encephalopathy (CTE) pathology in the brains of boxers</td>
<td>Prof Steve Gentleman</td>
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<td>Presentation</td>
<td>Employing a novel tissue clearing technique to provide further insight into Alzheimer’s and CTE. Alzheimer Research Network Symposium, London, UK, Jul 2018</td>
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<td>Prof Steve Gentleman</td>
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<td>Presentation</td>
<td>Chronic Traumatic Encephalopathy: The role of Gliovascular pathology. The International Society of Neuropathology, Tokyo, Japan, Sept 2018.</td>
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<td>15/020</td>
<td>Studying the turnover of oligodendrocytes in Huntington’s disease.</td>
<td>Prof Jonas Frisén</td>
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<td>Prof Jonas Frisén</td>
<td>Kings</td>
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<td>Data presented at the French society of neuroscience in Bordeaux. Title: &quot;Cell generation dynamics is altered in neurodegeneration in human&quot;</td>
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<td>15/021</td>
<td>Investigation of astrogliosis and Lox expression in the Occipital Lobe of Bipolar Disease affected patients.</td>
<td>Dr Roxana Carare</td>
<td>Overview</td>
<td>Presentation x 1</td>
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<td>15/021</td>
<td>Investigation of astrogliosis and Lox expression in the Occipital Lobe of Bipolar Disease affected patients.</td>
<td>Dr Roxana Carare</td>
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<td>Presentation</td>
<td>&quot;Effects of Lithium and Wnt signalling on gliogenesis in the adult brain&quot; Rivera et al., 2017, University of Salvador de Bahia, Brazil; Collaborative meeting Dr. Olivier Raineteau, University of Lyon, France; Prof. Frank Kirchhoff, University of Saarland, Germany.</td>
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<td>16/004</td>
<td>Neuropathological Characterization of ‘CTE’</td>
<td>Dr William Stewart</td>
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<td>16/004</td>
<td>Neuropathological Characterization of ‘CTE’</td>
<td>Dr William Stewart</td>
<td>Corsellis; Glasgow</td>
<td>Publication</td>
<td>Arena JD, Johnson VE, Trojanowski JQ, Gentleman SM, Stewart W, Smith DHet al., 2018, TAU ASTROGLIOPATHY CONSISTENT WITH ARTAG IS A COMMON FEATURE OF REPETITIVE MILD AND LATE SINGLE SEVERE TBI IN HUMANS, 3rd Joint Symposium of the International-and-National-Neurotrauma-Societies-and-AANS/CNS-Section on Neurotrauma and Critical Care, Publisher: MARY ANN LIEBERT, INC, Pages: A140-A140, ISSN: 0897-7151</td>
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<td>16/005</td>
<td>Consensus diagnostic criteria of a novel tauopathy associated with anti-IgLON5 autoantibodies.</td>
<td>Prof Tamas Revesz</td>
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<tr>
<td>16/005</td>
<td>Consensus diagnostic criteria of a novel tauopathy associated with anti-IgLON5 autoantibodies.</td>
<td>Prof Tamas Revesz</td>
<td>Lancashire; UCL</td>
<td>Publication</td>
<td>The study has been completed and the findings have been published - ACTA NEUROPATHOL 2016 Oct;132(4):531-43.</td>
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<td>16/007</td>
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<td>Dr Thomas Jacques</td>
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<td>Publication x 1</td>
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<td>Bristol; Cardiff; Edinburgh; Glasgow; GOSH; Imperial; Leeds; Kings; Nottingham; Oxford; Plymouth; Southampton; UCL; Walton Centre</td>
<td>Publication</td>
<td>Pickles JC, Hawkins C, Pietsch T, Jacques TS. CNS embryonal tumours: WHO 2016 and beyond. Neuropathology and Applied Neurobiology, 2017. In press, doi: 10.1111/nan.12443</td>
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<td>Grant Awarded: Jacques (PI), Pickles. &quot;Molecular diagnostics for childhood brain tumours&quot;. Funding period: 2017-2019. Olivia Hodson Cancer Fund.</td>
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<td>Poster</td>
<td>Tan E, Phipps K, Yasin S, Pickles J, Jorgensen M, Aquilina K, Jacques TS, Hargrave D. Clinicopathological review of paediatric meningioma from a single centre. Pediatric Blood&amp;Cancer. Wiley. 64: S314-S315. Nov 2017.</td>
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<td>Pickles JC et al., identifying new high-grade paediatric brain tumour entities. Childhood Cancer 2017</td>
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<td>Bristol; Cardiff; Edinburgh; Glasgow; GOSH; Imperial; Leeds; Kings; Nottingham; Oxford; Plymouth; Southampton; UCL; Walton Centre</td>
<td>Poster</td>
<td>Fairchild AR., Pickles JC et al, Establishing and characterising high-risk paediatric brain tumour cell cultures. Childhood Cancer 2017.</td>
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<td>Bristol; Cardiff; Edinburgh; Glasgow; GOSH; Imperial; Leeds; Kings; Nottingham; Oxford; Plymouth; Southampton; UCL; Walton Centre</td>
<td>Poster</td>
<td>Grabovska Y, Selby M, Finetti M, Schwalbe EC, O'Hare P, Pickles JC, Fairchild AR, Jacques TS, Bailey S, Crosier S, Smith A, Clifford SC, Williamson D. The Clinico-Pathological Significance of Molecular Sub-groups in Malignant Rhabdoid Tumours. Childhood Cancer 2017.</td>
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<td>Poster</td>
<td>Brownlee L., Pickles J.C., Shireena Y., Stone T., Fairchild A.R., Wilkhu L., Capper D., Jones D.T.W., Sill M., Hovestadt V., von Deimling A., Pfister S.M., Chalker J., Jacques T.S. Routine use of DNA methylation arrays in the diagnosis of paediatric brain tumours in a specialist centre. Pathological Society Meeting, Jan 2018.</td>
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<td>16/010</td>
<td>Selective vulnerability in MND/FTD</td>
<td>Dr Olaf Ansorge</td>
<td>Kings; Sheffield</td>
<td>Overview</td>
<td>ENCALS 2018 meeting, Oxford - speaker: Selective vulnerability of the primary motor cortex in amyotrophic lateral sclerosis, MNDA International symposium 2018, Glasgow - Speaker: Selective vulnerability in ALS</td>
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<td>Selective vulnerability in MND/FTD</td>
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<td>Kings; Sheffield</td>
<td>Presentation</td>
<td>International ALS symposium, Boston, USA – 8th -10th December 2017</td>
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<tr>
<td>16/015</td>
<td>The development of a molecular methodology for improved detection of Isocitrate Dehydrogenase mutations in diffuse gliomas.</td>
<td>Dr Rosalind Ganderton</td>
<td>Southampton</td>
<td>Overview</td>
<td>British Neuro-oncology society annual meeting in Winchester in July 2018.</td>
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<td>16/016</td>
<td>Epilepsy: What is the significance of the density of ectopic neurons in the white matter of temporal, parietal and frontal lobe, and are they normal or pathological?</td>
<td>Dr Azzam Ismail</td>
<td>Leeds</td>
<td>Overview</td>
<td>British Neuropathological Society Annual Meeting: 1st-3rd March 2017. Royal College of Physicians, London. Poster Presentation.</td>
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<td>Leeds</td>
<td>Presentation</td>
<td>Neurology Summit for the Garland Prize in Neurology, Leeds general infirmary, April 2018.</td>
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<td>16/017</td>
<td>Molecular pathology of infant gliomas</td>
<td>Dr Matthew Clarke</td>
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<td>Presentation</td>
<td>DKFZ, Heidelberg, April 2018. DKFZ Heidelberg Brain Tumour Group (invited speaker)</td>
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<td>Presentation</td>
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<td>Presentation</td>
<td>International Society of Paediatric Neuro-oncology (ISPNO) conference in Denver, June 2018. (Further details to follow)</td>
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<td>Bristol; GOSH; Newcastle; Nottingham; Oxford; Southampton; UCL</td>
<td>Presentation</td>
<td>Junior Research Academy of German Pathology Society - 2018</td>
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<td>16/018</td>
<td>Determining the cell of origin of primary central nervous system lymphomas</td>
<td>Dr Lilla Reiniger</td>
<td>UCL</td>
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<td>Abstract x 1</td>
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<td>Dr Lilla Reiniger</td>
<td>UCL</td>
<td>Abstract (Published)</td>
<td>Abstract for a poster presentation with the title &quot;Cell of Origin and Genomic Profile of Primary Central Nervous System Lymphoma Determined Using the Nanostring LST Assay and Ultra Deep Targeted Next Generation Sequencing&quot; for the 59th ASH Annual Meeting &amp; Exposition (9-12.12.2017, Atlanta, USA), which has been accepted.</td>
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<td>16/018</td>
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<td>UCL</td>
<td>Presentation</td>
<td>We presented some of our results as an oral presentation at the XXVth Congress of the Hungarian Society of Haematology and Transfusion, Szeged, Hungary; 19.05.2017; with the title &quot;Determination of the COO of PCNSL by NanoString LST assay&quot;.</td>
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<td>17/001</td>
<td>Pathological study of two cases with SLC52A3 mutation</td>
<td>Prof Tamas Revesz</td>
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<td>Molecular Pathology of Paediatric Gliomatosis Cerebri</td>
<td>Dr Chris Jones</td>
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<td>17/004</td>
<td>Single-cell phenotyping technique applied to glioblastoma tumour samples as compared to normal brain tissue.</td>
<td>Dr Thomas Millner</td>
<td>Barts</td>
<td>Abstract (Published)</td>
<td>British Neuropathological Society Annual Meeting, London, 28 February – 2 March 2018, poster presentation and published abstract.</td>
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<td>17/005</td>
<td>Characterization and analysis of the brain tumour perivascular niche</td>
<td>Dr Georgia Mavria</td>
<td>Cambridge; Imperial</td>
<td>Grant Application</td>
<td>Grant application: TBTC, March 2018</td>
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<td>Investigating the role of extracellular matrix in human neocortical development.</td>
<td>Prof Wieland Huttner</td>
<td>Southampton</td>
<td>Presentation</td>
<td>Presentations by Wieland Huttner at Neurogenesis Meeting in Varna, Bulgaria, May 2017</td>
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**17/014** The Dynamics of Microglia in the Human Brain | Dr Diego Gomez-Nicola | Overview | Presentation x 3
<table>
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<td>David A. Menassa, Liam Barry-Carroll, James Nicoll, Mark Chapman, Istvan Adorjan, Tabitha Bloom, Diego Gomez-Nicola. Microglial Dynamics in The Developing Human Brain (September 2018) – Poster presentation at the Immune-Brain Axis Meeting at the University of Southampton on September 13, 2018 in the UK.</td>
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<td>Bethany Turnbull, David A. Menassa, James Nicoll, Chris-Anne McKenzie, Diego Gomez-Nicola. (September 2018), Region-specific Dynamics of the Microglial Population in the Human Temporal Lobe - Poster presentation at the Immune-Brain Axis Meeting at the University of Southampton on September 13, 2018 in the UK.</td>
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