Acharjee, Shaona
Transcriptional profiling of microglia collected from Cx3Cr1-RiboTag mice shows decreased MAPK signaling at the early stages of EAE

Aires, Inês
Blockade of A2A receptor controls human retinal microglia response in an in vitro model of elevated pressure

Allendorf, David
Role of Neuraminidase 1 in TLR-4-induced Activation of Microglia

Almeida, Inês
Regulation of microglia by glucocorticoids: comparative analysis between dexamethasone and betamethasone

Andoh, Megumi
Exercise reverses behavioral and synaptic abnormalities after maternal inflammation

Barendrecht, Susan
Generation of in vivo-like microglia in culture for eliciting the function of microglia in disease

Beccari, Sol
ISCHEMIA/STROKE RAPIDLY IMPAIRS MICROGLIAL PHAGOCYTOSIS IN VIVO

Béchade, Catherine
Lack of microglial serotonin 2B receptor sensitizes to neuroinflammation after a peripheral change.

Berger, Emanuel
Human iPSC-derived microglia in midbrain organoids for advanced Parkinson's disease modelling

Bergner, Caroline
New microglia markers hint at a crucial role of microglia in the pathogenesis of hereditary demyelinating leukodystrophies
Boehme, Marcus  
Targeting the gut microbiome to reverse microglia activation and stress-induced immune priming in ageing  

Bolasco, Giulia  
Ultrastructural analysis of an entire microglia by serial block face scanning electron microscopy  

Brault, Emmanuel  
CD33 receptor ligands characterization in human primary monocytes.  

Brenet, Alexandre  
Interactions between microglia and epileptic neurons in a zebrafish model of epilepsy  

Brioschi, Simone  
Microglia-mediated synaptic pruning assessed via flow cytometry  

Brown, Guy  
Microglial activation and neurophagy regulated by sialylation and galectin-3  

Buffolo, Federica  
In vitro and in vivo characterization of REST activity and expression under neuroinflammatory conditions  

Chamera, Katarzyna  
Prenatal stress causes microglial NLRP3 inflammasome activation in the hippocampus but not in the frontal cortex of rats  

Chhatbar, Chintan  
During viral encephalitis type I interferon receptor signaling of neurons and astrocytes regulates microglia activation  

Chia, Kelda  
Ca2+ transients in pre-neoplastic AKT1 expressing cells stimulate cellular interactions with microglia
<table>
<thead>
<tr>
<th>Poster Title</th>
<th>Page</th>
</tr>
</thead>
</table>
| Cho, Soo Min  
The role of microglia and neuroinflammation in lysosomal storage diseases                                                                                                                     | 63   |
| Corrêa-da-Silva, Felipe  
A Novel Lipid Mediator in Neuroimmune Interface: Modulation through Cellular Metabolism                                                                                                     | 64   |
| Deftu, Alexandru  
The silencing of Iba-1 protein alters the proliferation of microglial cells                                                                                                                      | 65   |
| Denes, Adam  
Microglia control neurotropic virus infection via P2Y12 and recruit leukocytes into the brain via P2Y12-independent actions                                                                                      | 66   |
| Derk, Julia  
Microglia RAGE in non-demented and Alzheimer’s disease Brains                                                                                                                                              | 67   |
| Drew, James  
Investigating the role of actin dynamics in regulating microglial shape and motility                                                                                                                    | 68   |
| Dumas, Anaelle  
The role of mTORC1 signalling in Tumour-Associated Microglia in Glioblastoma                                                                                                                      | 69   |
| Etienne, Fanny  
Role of serotonin in the modulation of microglial motility                                                                                                                                               | 70   |
| Fodelianaki, Georgia  
Regulation of microglia-mediated neuroinflammation by Nerve Growth factor (NGF)                                                                                                                      | 71   |
| FOULON, Sophie  
Targeted RNA sequencing of single microglial cells in microfluidic droplets                                                                                                                               | 72   |
| Fülle, Lorenz  
Identification of CCL17 as a novel neuroimmune regulatory chemokine in the hippocampus                                                                                                                  | 73   |
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gaspar, Rita</td>
<td>Microglia morphologic plasticity and stress coping: gender differences in a model of chronic anxiety</td>
<td>74</td>
</tr>
<tr>
<td>Golia, Maria Teresa</td>
<td>Role of inflammation in antidepressant treatment and plasticity processes</td>
<td>75</td>
</tr>
<tr>
<td>Grabert, Kathleen</td>
<td>Playing with FIRE: New CSF1R mouse models and deletion of a Csf1r enhancer reveals loss of microglia</td>
<td>76</td>
</tr>
<tr>
<td>Grimaldi, Alfonso</td>
<td>The role of microglia in Alzheimer’s Disease-associated retinal neurodegeneration</td>
<td>77</td>
</tr>
<tr>
<td>Halle, Annett</td>
<td>Perturbed purinergic signaling is associated with microglial dysfunction in a mouse model with Alzheimer’s disease-like pathology</td>
<td>78</td>
</tr>
<tr>
<td>Hamilton, Lloyd</td>
<td>Palladium mediate anti-tumoural activity in Microglia</td>
<td>79</td>
</tr>
<tr>
<td>Herrgen, Leah</td>
<td>Rapid clearance of cellular debris by microglia limits secondary neuronal cell death after brain injury in vivo</td>
<td>80</td>
</tr>
<tr>
<td>Herzer, Silke</td>
<td>The role of microglial gangliosides in HFD-induced hypothalamic inflammation</td>
<td>81</td>
</tr>
<tr>
<td>Herzog, Chiara</td>
<td>Towards the identification of novel microglia-derived neuroprotective molecules</td>
<td>82</td>
</tr>
<tr>
<td>Heurtaux, Tony</td>
<td>Nr1f2 modulation attenuates the A53T-induced microglial reactivity</td>
<td>83</td>
</tr>
</tbody>
</table>
Hinkle, Joshua
Cranial irradiation causes dendritic spine loss that is associated with microglial activation and cognitive impairment

Hirbec, Helene E.
The microglial reaction signature revealed by RNAseq from individual mice

Hochberg, Arielle
The Role of Protein S in Microglia Development and Function

Hua, Jennifer
Involvement of purinergic P2X4 receptors in Alzheimer disease

Izquierdo, Pablo
Microglial phagocytosis and purinergic signalling

Jankovic, Tamara
Repetitive mild traumatic brain injury in mice causes increases in the iNOS and TLR2 expressions and microglial activation and polarization in the frontal cortex

Jin, Hee Kyung
ASM regulates the autophagic process by controlling lysosomal biogenesis in Alzheimer's disease

Joshi, Lisha
Lysophosphatidic acid as effector of microglia metabolism

Jovanovic, Joel
Histological and functional outcomes of CSF-1R inhibition on branch retinal vein occlusion

Kaiser, Nicole
Pruning at the cerebellar climbing fibre synapse: synaptic efficacy and glial involvement

Käufer, Christopher
Cor2-KO leads to protection from hippocampal neurodegeneration in Theiler’s virus model of epilepsy
Keane, Lily
Mechanistic target of rapamycin complex 1 (mTORC1) suppresses expression of inflammatory genes and is downregulated in microglia with age

Kessels, Sofie
The CXCL12/CXCR4/integrinβ1 signaling axis in microglial migration during brain development

Kokona, Despina
Colony stimulating factor-1 receptor inhibition prevents disruption of the blood retina barrier during chronic systemic inflammation

Konttinen, Henna
Generation of microglia-like cells from human induced pluripotent stem cells

Korte, Nils
Cerebrovascular-immune cell interactions in health and disease

Kotah, Janssen M.
Early-life stress programs microglial response to acute and chronic immune challenges; in vitro and in vivo evidence

Kozareva, Danka A.
The role of the orphan nuclear receptor TLX in neural stem cell-microglial crosstalk

Kumar, Sathish
Development and Characterization of Monoclonal Antibody against triggering receptor expressed on myeloid cells-2 (TREM2)

Le Blon, Debbie
The immune modulating effect of interleukin 13 on microglia and macrophages in various mouse models of neurodegeneration

Lee, Heyne (Cecilia)
Understanding the role of TREM2 and CD33 in Alzheimer’s disease using hiPSC-derived microglia
Lemaire, Quentin
Study of exosomal microRNAs from microglia involved in neuroprotection in Hirudo medicinalis 105

Leyh, Judith
Obesity-driven microglial activation and damage in the murine and human brain – functional role of cerebral lipid metabolism 106

Lim, Tony
In vivo imaging of microglial-mediated synaptic pruning in the Xenopus laevis retinotectal circuit 107

Lin, Aimee
Presenter: Lin, Aimee; Tavares, Elizabeth
Fluctuations of estrogen receptor alpha expression in microglia across the estrous cycle in female rats 108

Lindner, Julia
Young But Not Senescent Microglia Support Neuronal Growth in vitro 109

Liraz zaltsman, Sigal
Presenter: Shemesh, Chen
Pre-injury LPS reduces cognitive impairment after traumatic brain injury: preconditioning effect via early protection of the BBB 110

Madry, Christian
P2Y13 receptors regulate microglial morphology, surveillance and resting levels of interleukin release 111

Magno, Lorenza
Expression and function of genetic variants of Phospholipase C-gamma2, a possible target for modulating microglial function in Alzheimer’s disease 112

Marinelli, Silvia
TRPV1 channels are critical brain inflammation detectors 113

Martin Estebané, Maria
Cell death and purinergic signaling have a role in early colonization of developing quail retina by microglial cells 114
Martins, Teresa G.
Increased microglia/macrophage numbers in the developing zebrafish brain induced by the systemic administration of the chemoconvulsant kainate

Mazzolini, Julie
The impact of the brain microenvironment on microglia polarization at early stages of glioblastoma formation.

Mead, Emma
Translation of neuroinflammatory responses between an in vitro model of isolated Tg4510 microglia and the Tg4510 transgenic mouse model

Michelucci, Alessandro
Single-cell transcriptomic analysis of microglia/macrophages in Glioblastoma

Mittal, Kritika
Innate-adaptive immune crosstalk modulates amyloid neurotoxicity in mouse models of Alzheimer’s disease

Mizee, Mark
Elucidating the microglial transcriptome of major depression in the post-mortem human brain

Möller, Katrin
The phagocytosis of apoptotic neurons: Towards a quantitative understanding of how microglia process their prey

Mondo, Erica
Exploring roles for fractalkine and the vasculature in microglial colonization of the developing brain

Naik, Roshan
Crosstalk between metabolic dysfunction and neuroinflammation in a translocator protein knock out mouse model

Neubrand, Veronika E.
The atypical RhoGTPaseRhoE/Rnd3 is a key molecule to acquire a neuroprotective phenotype in microglia
<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oancea-Castillo, Liliana</td>
<td>Deciphering the role of microglia in chemo/radiotherapy of glioblastoma</td>
<td>125</td>
</tr>
<tr>
<td></td>
<td><strong>Cancelled</strong></td>
<td>126</td>
</tr>
<tr>
<td>Pinto, Bruno</td>
<td>Acetaminophen Rescues Microglial Defects and Cognitive Impairment in the DP16 Murine Model of Down Syndrome</td>
<td>127</td>
</tr>
<tr>
<td>Garofalo, Stefano</td>
<td>Environmental stimuli shape microglial plasticity in glioma</td>
<td>128</td>
</tr>
<tr>
<td>Puigdellívol, Mar</td>
<td>STUDYING THE ROLE OF TREM2 LIGANDS IN MICROGLIA FUNCTIONS IN HEALTH AND ALZHEIMER’S DISEASE</td>
<td>129</td>
</tr>
<tr>
<td>Qiu, Jing</td>
<td>Using mixed-species tripartite co-culture to study microglial crosstalk with neurons and astrocytes</td>
<td>130</td>
</tr>
<tr>
<td>Quiroga, Alejandra</td>
<td>Blocking of CSFR1 impairs oligodendrocyte differentiation</td>
<td>131</td>
</tr>
<tr>
<td>Racki, Valentino</td>
<td>Immunometabolic phenotype of BV-2 microglial cells upon cytomegalovirus infection</td>
<td>132</td>
</tr>
<tr>
<td>Ragozzino, Davide</td>
<td>Microglia shape presynaptic properties at hippocampal glutamatergic synapses</td>
<td>133</td>
</tr>
<tr>
<td>Rahimian, Reza</td>
<td>Model–system for in vivo mRNA and protein analysis of activated microglia: ribosome-based control of innate immune response</td>
<td>134</td>
</tr>
<tr>
<td>Rajan, Wenson David</td>
<td><em>Infiltration or Recruitment?</em>: Dissecting the functional heterogeneity of macrophages during cerebral ischemia induced inflammation</td>
<td>135</td>
</tr>
</tbody>
</table>
Ramos, Adriana
Nuclear GAPDH cascade and cellular autofluorescence: microglia-mediated novel mechanisms involved in cognitive deficits in schizophrenia.

Ranawat, Nishtha
Microglial response to p53-ATM-Chk2 meditated neuronal cell death

Régnier-Vigouroux, Anne
Microglia/macrophages associated to glioblastoma affect stemness features of glioblastoma stem-like cells

Roloza, Taisia
Anti-inflammatory effect of soluble neuronal ICAM-5 on LPS-stimulated microglia

Rosin, Jessica
Microglia interact with hypothalamic radial glia precursors during embryonic development and signal through TAM receptors to engulf foreign material

Rueda-Carrasco, Javier
Sfrp1 promotes microglial activation through the modulation of ADAM10 proteolytic activity

Russo, Isabella
Parkinson’s disease LRRK2 modulates microglia physiology in health and disease

Sanchez-Laorden, Berta
Characterising the interplay between microglia and tumour cells. Approaches to identify novel regulators of brain metastases

Santiago, Ana Raquel
Intravitreal injection of an adenosine A2A receptor antagonist restores microglia phenotype and protects the retina in a mouse model of diabetic retinopathy
Santos, Cláudia Nunes
**Brain permeable (poly)phenol metabolites attenuate neuroinflammation in microglia** 145

Schulz, Michael
**Irradiated Murine Microglia Upregulate Neuro-Inflammation and Inflammasome-related Pathways in a Xenograft Lung-to-Brain Metastasis Model** 146

Schuy, Christine
**Altered sialylation promotes neuronal loss in aging mice** 147

Sepulveda, M. Rosario
**Inhibition of endoplasmic reticulum Ca2+ pump stimulates migration but inhibits phagocytosis of β-amyloid in microglial cells** 148

Shpanskaya, Yekaterina
**In Vivo Characterization of Macrophages in Adult High Grade Gliomas using Ferumoxytol-enhanced MRI** 149

Smit, Tamar
**Microglia function in Alzheimer’s disease: studying human primary cells** 150

Sneeboer, Marjolein
**In depth microglia profiling in bipolar disorder** 151

Soares, Nuno L.
**Anti-inflammatory effect of carbon monoxide on neuron-microglia communication** 152

Sousa, Carole
**Microglia molecular profiling under physiological and systemic inflammatory conditions at single cell resolution** 153

Stojiljkovic, Milan
**Depletion of microglia leads to reduced inflammation and increased astrocyte activation in the aged mouse brain** 154
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microglial immunophenotype markers are expressed on activated</td>
<td>155</td>
</tr>
<tr>
<td>microglia in the normal aged post-mortem human cortex</td>
<td></td>
</tr>
<tr>
<td>Tavares-Gomes, Leticia</td>
<td>156</td>
</tr>
<tr>
<td>Phenotype of bovine microglia</td>
<td></td>
</tr>
<tr>
<td>Thorsdottir, Sigrun</td>
<td>157</td>
</tr>
<tr>
<td>Microglia in early pneumococcal meningitis</td>
<td></td>
</tr>
<tr>
<td>Tian, Li</td>
<td>158</td>
</tr>
<tr>
<td>Understanding the role of microglia and inflammatory biomarkers in</td>
<td></td>
</tr>
<tr>
<td>mental disorders</td>
<td></td>
</tr>
<tr>
<td>Uriarte, Oihane</td>
<td>159</td>
</tr>
<tr>
<td>Role of Microglia in Parkinson’s Disease: Its Activation Signature in</td>
<td></td>
</tr>
<tr>
<td>Response to Pathologically Misfolded Forms of Alpha-Synuclein</td>
<td></td>
</tr>
<tr>
<td>Vadisiute, Auguste</td>
<td>160</td>
</tr>
<tr>
<td>Advanced 3D Image Analysis and Machine Learning to Investigate</td>
<td></td>
</tr>
<tr>
<td>Microglia in Developing Brain</td>
<td></td>
</tr>
<tr>
<td>Valero, Jorge</td>
<td>161</td>
</tr>
<tr>
<td>ProMoIJ: A new tool for automatic three-dimensional analysis of</td>
<td></td>
</tr>
<tr>
<td>microglial process motility</td>
<td></td>
</tr>
<tr>
<td>van der Poel, Marlij</td>
<td>162</td>
</tr>
<tr>
<td>Transcriptional profiling reveals grey–white matter heterogeneity</td>
<td></td>
</tr>
<tr>
<td>and multiple sclerosis-associated changes in human microglia</td>
<td></td>
</tr>
<tr>
<td>Vieira de Sá, Renata</td>
<td>163</td>
</tr>
<tr>
<td>Establishing a patient-derived model for cortical thinning and</td>
<td></td>
</tr>
<tr>
<td>inflammation in C9ALS</td>
<td></td>
</tr>
<tr>
<td>Villani, Ambra</td>
<td>164</td>
</tr>
<tr>
<td>Neuronal clearance by microglia uncoovers a new step in the phagocytic pathway</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Title</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Voet, Sofie</td>
<td>A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation</td>
</tr>
<tr>
<td>Vogels, Thomas</td>
<td>AAV model for the study of tau pathology in vivo</td>
</tr>
<tr>
<td>von Bernhardi, Rommy</td>
<td>Scavenger receptor-A in the pathophysiology of Alzheimer's disease: age-associated changes in glial cell inflammatory activation</td>
</tr>
<tr>
<td>Walentynowicz, Kacper</td>
<td>Transcriptomic analysis of mice microglia response to human glioblastoma.</td>
</tr>
<tr>
<td>Waltl, Inken</td>
<td>Microglia are critically involved in virus elimination and survival outcome following Theiler's virus infection in mice</td>
</tr>
<tr>
<td>Wendeln, Ann-Christin</td>
<td>Epigenetic microglial memory of peripheral inflammation shapes neurological disease</td>
</tr>
<tr>
<td>West, Phillip K.</td>
<td>Distinct phenotypes of microglia in transgenic mice with CNS production of interleukin-6 or interferon-alpha</td>
</tr>
<tr>
<td>Winkler, Jonas</td>
<td>Anti-inflammatory effects of human-identical low molecular weight polysialic acid in experimental autoimmune encephalomyelitis</td>
</tr>
<tr>
<td>Xu, Yajing</td>
<td>The role of microglia in the postnatal maturation of spinal sensory circuitry</td>
</tr>
<tr>
<td>Yu, Seong-Woon Presenter: Nam, Hyeri</td>
<td>LPS suppresses autophagy through TLR4/PI3K/FoxO3 signaling in microglia</td>
</tr>
</tbody>
</table>
Yu, Seong-Woon  Presenter: Lee, Ji-Won  LPS suppresses LC3-associated phagocytosis and amyloid β clearance via PI3K signalling in microglia  175

Zhou, Kai  Using repopulated microglia to treat radiotherapy induced side effects on mice  176

Zou, Hongyan  Presenter: Zhou, Xiang  Novel modulatory role of Plexin-B2 in the innate immune response after spinal cord injury  177