Annexure A

Materials

A.1 MATERIALS

All cell culture reagents were obtained from Sigma-Aldrich and Himedia.

Table A1.1 : List of Antibodies

S.No.	Antibody Name	Company	Catalogue	Host Animal
1	DNA/Histone H1	Merck	MAB3864	Rabbit
2	Neutrophil Myeloperoxidase	Sigma-Aldrich	N5787	Rabbit
3	Alexa fluor-594 anti-rabbit	Life technologies	#A-11012	Goat
4	Alexa fluor-488 anti-mouse	Life technologies	#A-11001	Goat

Table A1.2 : List of Cell lines and primary cells used in the study.

S.No.	Cell-line Name	Morphology	Source
1	BV2	Mouse microglia cell line	Gifted
2	Primary adult human microglia	Human microglia	isoalted

Table A1.3 : Patient information for the tissues used for IHC.

S.No.	Dianosis	Age/Gender	Mutations
1	GBM	70/M	IDHwt - MGMT low methylation
2	GBM	66/F	IDHwt - MGMT methylated

References

Abel, J., O. Goldmann, C. Ziegler, C. Höltje, M. S. Smeltzer, A. L. Cheung, D. Bruhn, M. Rohde and E. Medina (2011). "Staphylococcus aureus evades the extracellular antimicrobial activity of mast cells by promoting its own uptake." J Innate Immun **3**(5): 495-507.

Abi Abdallah, D. S., C. Lin, C. J. Ball, M. R. King, G. E. Duhamel and E. Y. Denkers (2012). "Toxoplasma gondii Triggers Release of Human and Mouse Neutrophil Extracellular Traps." Infection and Immunity **80**(2): 768-777.

Agrawal, I., S. Saxena, P. Nair, D. Jha and S. Jha (2020). "Obtaining Human Microglia from Adult Human Brain Tissue." JoVE(162): e61438.

Aguzzi, A., B. A. Barres and M. L. Bennett (2013). "Microglia: scapegoat, saboteur, or something else?" Science (New York, N.Y.) **339**(6116): 156-161.

Al-Chalabi, A., L. Berg and J. Veldink (2017). "Gene discovery in amyotrophic lateral sclerosis: implications for clinical management." Nature Reviews Neurology **13**: 96-104.

Al-Mayouf, S. M., A. Sunker, R. Abdwani, S. A. Abrawi, F. Almurshedi, N. Alhashmi, A. Al Sonbul, W. Sewairi, A. Qari, E. Abdallah, M. Al-Owain, S. Al Motywee, H. Al-Rayes, M. Hashem, H. Khalak, L. Al-Jebali and F. S. Alkuraya (2011). "Loss-of-function variant in DNASE1L3 causes a familial form of systemic lupus erythematosus." Nat Genet **43**(12): 1186-1188.

Albrengues, J., M. A. Shields, D. Ng, C. G. Park, A. Ambrico, M. E. Poindexter, P. Upadhyay, D. L. Uyeminami, A. Pommier, V. Küttner, E. Bružas, L. Maiorino, C. Bautista, E. M. Carmona, P. A. Gimotty, D. T. Fearon, K. Chang, S. K. Lyons, K. E. Pinkerton, L. C. Trotman, M. S. Goldberg, J. T. H. Yeh and M. Egeblad (2018). "Neutrophil extracellular traps produced during inflammation awaken dormant cancer cells in mice." Science (New York, N.Y.) **361**(6409): eaao4227.

Allen, N. J. and B. A. Barres (2009). "Glia — more than just brain glue." Nature **457**(7230): 675-677.

Apel, F., A. Zychlinsky and E. F. Kenny (2018). "The role of neutrophil extracellular traps in rheumatic diseases." Nat Rev Rheumatol **14**(8): 467-475.

Appelgren, D. and H. Enocsson (2019). "Neutrophil Extracellular Traps (NETs) in the Cerebrospinal Fluid Samples from Children and Adults with Central Nervous System Infections." **9**(1).

Arnett, H. A., R. P. Hellendall, G. K. Matsushima, K. Suzuki, V. E. Laubach, P. Sherman and J. P. Y. Ting (2002). "The Protective Role of Nitric Oxide in a Neurotoxicant- Induced Demyelinating Model." The Journal of Immunology **168**(1): 427.

Arnett, H. A., J. Mason, M. Marino, K. Suzuki, G. K. Matsushima and J. P. Y. Ting (2001). "TNFα promotes proliferation of oligodendrocyte progenitors and remyelination." Nature Neuroscience **4**(11): 1116-1122.

Arreola, R., S. Alvarez-Herrera, G. Pérez-Sánchez, E. Becerril-Villanueva, C. Cruz-Fuentes, E. O. Flores-Gutierrez, M. E. Garcés-Alvarez, D. L. de la Cruz-Aguilera, E. Medina-Rivero, G. Hurtado-Alvarado, S. Quintero-Fabián and L. Pavón (2016). "Immunomodulatory Effects Mediated by Dopamine." Journal of immunology research **2016**: 3160486-3160486.

Asai, H., S. Ikezu, S. Tsunoda, M. Medalla, J. Luebke, T. Haydar, B. Wolozin, O. Butovsky, S. Kügler and T. Ikezu (2015). "Depletion of microglia and inhibition of exosome synthesis halt tau propagation." Nature Neuroscience **18**(11): 1584-1593.

Atagi, Y., C. C. Liu, M. M. Painter, X. F. Chen, C. Verbeeck, H. Zheng, X. Li, R. Rademakers, S. S. Kang, H. Xu, S. Younkin, P. Das, J. D. Fryer and G. Bu (2015). "Apolipoprotein E Is a Ligand for Triggering Receptor Expressed on Myeloid Cells 2 (TREM2)." J Biol Chem **290**(43): 26043-26050.

Aulik, N. A., K. M. Hellenbrand and C. J. Czuprynski (2012). "Mannheimia haemolytica and Its Leukotoxin Cause Macrophage Extracellular Trap Formation by Bovine Macrophages." Infection and Immunity **80**(5): 1923.

Awasthi, D., S. Nagarkoti, A. Kumar, M. Dubey, A. K. Singh, P. Pathak, T. Chandra, M. K. Barthwal and M. Dikshit (2016). "Oxidized LDL induced extracellular trap formation in human neutrophils via TLR-PKC-IRAK-MAPK and NADPH-oxidase activation." Free Radic Biol Med **93**: 190-203.

Baroja-Mazo, A., F. Martin-Sanchez, A. I. Gomez, C. M. Martinez, J. Amores-Iniesta, V. Compan, M. Barbera-Cremades, J. Yague, E. Ruiz-Ortiz, J. Anton, S. Bujan, I. Couillin, D. Brough, J. I. Arostegui and P. Pelegrin (2014). "The NLRP3 inflammasome is released as a particulate danger signal that amplifies the inflammatory response." Nat Immunol **15**(8): 738-748.
Baroja-Mazo, A., F. Martín-Sánchez, A. I. Gomez, C. M. Martínez, J. Amores-Iniesta, V. Compan, M. Barberà-Cremades, J. Yagüe, E. Ruiz-Ortiz, J. Antón, S. Buján, I. Couillin, D. Brough, J. I. Arostegui and P. Pelegrín (2014). "The NLRP3 inflammasome is released as a particulate danger signal that amplifies the inflammatory response." Nature Immunology **15**(8): 738-748.
Basu, S., J. A. Nagy, S. Pal, E. Vasile, I. A. Eckelhoefer, V. Susan Bliss, E. J. Manseau, P. S. Dasgupta, H. F. Dvorak and D. Mukhopadhyay (2001). "The neurotransmitter dopamine inhibits angiogenesis induced by vascular permeability factor/vascular endothelial growth factor." Nature Medicine **7**(5): 569-574.
Beers, D. R., J. S. Henkel, Q. Xiao, W. Zhao, J. Wang, A. A. Yen, L. Siklos, S. R. McKercher and S. H. Appel (2006). "Wild-type microglia extend survival in PU.1 knockout mice with familial amyotrophic lateral sclerosis." Proceedings of the National Academy of Sciences **103**(43): 16021.
Behnen, M., C. Leschczyk, S. Möller, T. Batel, M. Klinger, W. Solbach and T. Laskay (2014). "Immobilized Immune Complexes Induce Neutrophil Extracellular Trap Release by Human Neutrophil Granulocytes via FcγRIIIB and Mac-1." The Journal of Immunology **193**(4): 1954.
Bellver-Landete, V., F. Bretheau, B. Mailhot, N. Vallières, M. Lessard, M.-E. Janelle, N. Vernoux, M.-È. Tremblay, T. Fuehrmann, M. S. Shoichet and S. Lacroix (2019). "Microglia are an essential component of the neuroprotective scar that forms after spinal cord injury." Nature Communications **10**(1): 518.
Beninger, R. J. (1983). "The role of dopamine in locomotor activity and learning." Brain Res **287**(2): 173-196.
Beninger, R. J. (1983). "The role of dopamine in locomotor activity and learning." Brain Research Reviews **6**(2): 173-196.
Berger-Achituv, S., V. Brinkmann, U. A. Abed, L. I. Kühn, J. Ben-Ezra, R. Elhasid and A. Zychlinsky (2013). "A proposed role for neutrophil extracellular traps in cancer immunoediting." Front Immunol **4**: 48.
Bertram, L., C. Lange, K. Mullin, M. Parkinson, M. Hsiao, M. F. Hogan, B. M. Schjeide, B. Hooli, J. Divito, I. Ionita, H. Jiang, N. Laird, T. Moscarillo, K. L. Ohlsen, K. Elliott, X. Wang, D. Hu-Lince, M. Ryder, A. Murphy, S. L. Wagner, D. Blacker, K. D. Becker and R. E. Tanzi (2008). "Genome-wide association analysis reveals putative Alzheimer's disease susceptibility loci in addition to APOE." Am J Hum Genet **83**(5): 623-632.
Besser, M. J., Y. Ganor and M. Levite (2005). "Dopamine by itself activates either D2, D3 or D1/D5 dopaminergic receptors in normal human T-cells and triggers the selective secretion of either IL-10, TNFalpha or both." J Neuroimmunol **169**(1-2): 161-171.
Bhattacharya, A., Q. Wei, J. N. Shin, E. Abdel Fattah, D. L. Bonilla, Q. Xiang and N. T. Eissa (2015). "Autophagy Is Required for Neutrophil-Mediated Inflammation." Cell Rep **12**(11): 1731-1739.
Boillée, S., K. Yamanaka, C. S. Lobsiger, N. G. Copeland, N. A. Jenkins, G. Kassiotis, G. Kollias and D. W. Cleveland (2006). "Onset and Progression in Inherited ALS Determined by Motor Neurons and Microglia." Science **312**(5778): 1389.
Boltz-Nitulescu, G., C. Wiltschke, C. Holzinger, A. Fellinger, O. Scheiner, A. Gessl and O. Förster (1987). "Differentiation of Rat Bone Marrow Cells Into Macrophages Under the Influence of Mouse L929 Cell Supernatant." Journal of Leukocyte Biology **41**(1): 83-91.
Boone, B. A., P. Murthy, J. Miller-Ocuin, W. R. Doerfler, J. T. Ellis, X. Liang, M. A. Ross, C. T. Wallace, J. L. Sperry, M. T. Lotze, M. D. Neal and H. J. Zeh (2018). "Chloroquine reduces hypercoagulability in pancreatic cancer through inhibition of neutrophil extracellular traps." BMC Cancer **18**(1): 678.
Branzk, N., A. Lubojemska, S. E. Hardison, Q. Wang, M. G. Gutierrez, G. D. Brown and V. Papayannopoulos (2014). "Neutrophils sense microbe size and selectively release neutrophil extracellular traps in response to large pathogens." Nature Immunology **15**: 1017.
Brinkmann, V., U. Reichard, C. Goosmann, B. Fauler, Y. Uhlemann, D. S. Weiss, Y. Weinrauch and A. Zychlinsky (2004). "Neutrophil Extracellular Traps Kill Bacteria." Science **303**(5663): 1532.
Brisch, R., A. Saniotis, R. Wolf, H. Bielau, H.-G. Bernstein, J. Steiner, B. Bogerts, K. Braun, Z. Jankowski, J. Kumaratilake, M. Henneberg and T. Gos (2014). "The role of dopamine in schizophrenia from a neurobiological and evolutionary perspective: old fashioned, but still in vogue." Frontiers in psychiatry **5**: 47-47.

Brown, S. W., R. T. Meyers, K. M. Brennan, J. M. Rumble, N. Narasimhachari, E. F. Perozzi, J. J. Ryan, J. K. Stewart and K. Fischer-Stenger (2003). "Catecholamines in a macrophage cell line." Journal of Neuroimmunology **135**(1): 47-55.
Broz, P. and V. M. Dixit (2016). "Inflammasomes: mechanism of assembly, regulation and signalling." Nat Rev Immunol **16**(7): 407-420.
Bryukhin, G. V. and A. V. Shopova (2015). "Characteristics of Mononuclear Extracellular Traps in the Offspring of Female Rats with Drug-Induced Hepatitis." Bulletin of Experimental Biology and Medicine **159**(4): 435-437.
Campbell, A. M., M. Kashgarian and M. J. Shlomchik (2012). "NADPH oxidase inhibits the pathogenesis of systemic lupus erythematosus." Sci Transl Med **4**(157): 157ra141.
Campillo-Navarro, M., K. Leyva-Paredes, L. Donis-Maturano, M. González-Jiménez, Y. Paredes-Vivas, A. Cerbulo-Vázquez, J. Serafín-López, B. García-Pérez, S. E. Ullrich, L. Flores-Romo, S. M. Pérez-Tapia, S. Estrada-Parra, I. Estrada-García and R. Chacón-Salinas (2017). "Listeria monocytogenes induces mast cell extracellular traps." Immunobiology **222**(2): 432-439.
Campillo-Navarro, M., K. Leyva-Paredes, L. Donis-Maturano, G. M. Rodríguez-López, R. Soria-Castro, B. E. García-Pérez, N. Puebla-Osorio, S. E. Ullrich, J. Luna-Herrera, L. Flores-Romo, H. Sumano-López, S. M. Pérez-Tapia, S. Estrada-Parra, I. Estrada-García and R. Chacón-Salinas (2018). "Mycobacterium tuberculosis Catalase Inhibits the Formation of Mast Cell Extracellular Traps." Frontiers in immunology **9**: 1161-1161.
Caragher, S. P., J. M. Shireman, M. Huang, J. Miska, F. Atashi, S. Baisiwala, C. Hong Park, M. R. Saathoff, L. Warnke, T. Xiao, M. S. Lesniak, C. D. James, H. Meltzer, A. K. Tryba and A. U. Ahmed (2019). "Activation of Dopamine Receptor 2 Prompts Transcriptomic and Metabolic Plasticity in Glioblastoma." The Journal of Neuroscience **39**(11): 1982.
Cardona, A. E., E. P. Pioro, M. E. Sasse, V. Kostenko, S. M. Cardona, I. M. Dijkstra, D. Huang, G. Kidd, S. Dombrowski, R. Dutta, J. C. Lee, D. N. Cook, S. Jung, S. A. Lira, D. R. Littman and R. M. Ransohoff (2006). "Control of microglial neurotoxicity by the fractalkine receptor." Nat Neurosci **9**(7): 917-924.
Carlsson, A., M. Lindqvist, T. Magnusson and B. Waldeck (1958). "On the presence of 3-hydroxytyramine in brain." Science **127**(3296): 471.
Carmona-Rivera, C., P. M. Carlucci, E. Moore, N. Lingampalli, H. Uchtenhagen, E. James, Y. Liu, K. L. Bicker, H. Wahamaa, V. Hoffmann, A. I. Catrina, P. Thompson, J. H. Buckner, W. H. Robinson, D. A. Fox and M. J. Kaplan (2017). "Synovial fibroblast-neutrophil interactions promote pathogenic adaptive immunity in rheumatoid arthritis." Sci Immunol **2**(10).
Carvalho da Fonseca, A. C., H. Wang, H. Fan, X. Chen, I. Zhang, L. Zhang, F. R. S. Lima and B. Badie (2014). "Increased expression of stress inducible protein 1 in glioma-associated microglia/macrophages." Journal of neuroimmunology **274**(1-2): 71-77.
Caudrillier, A., K. Kessenbrock, B. M. Gilliss, J. X. Nguyen, M. B. Marques, M. Monestier, P. Toy, Z. Werb and M. R. Looney (2012). "Platelets induce neutrophil extracellular traps in transfusion-related acute lung injury." The Journal of Clinical Investigation **122**(7): 2661-2671.
Cedervall, J., Y. Zhang, H. Huang, L. Zhang, J. Femel, A. Dimberg and A.-K. Olsson (2015). "Neutrophil Extracellular Traps Accumulate in Peripheral Blood Vessels and Compromise Organ Function in Tumor-Bearing Animals." Cancer Research **75**(13): 2653.
Cedervall, J., Y. Zhang, H. Huang, L. Zhang, J. Femel, A. Dimberg and A. K. Olsson (2015). "Neutrophil Extracellular Traps Accumulate in Peripheral Blood Vessels and Compromise Organ Function in Tumor-Bearing Animals." Cancer Res **75**(13): 2653-2662.
Chen, K., H. Nishi, R. Travers, N. Tsuboi, K. Martinod, D. D. Wagner, R. Stan, K. Croce and T. N. Mayadas (2012). "Endocytosis of soluble immune complexes leads to their clearance by FcγRIIIB but induces neutrophil extracellular traps via FcγRIIA in vivo." Blood **120**(22): 4421-4431.
Chen, K. W., M. Monteleone, D. Boucher, G. Sollberger, D. Ramnath, N. D. Condon, J. B. von Pein, P. Broz, M. J. Sweet and K. Schroder (2018). "Noncanonical inflammasome signaling elicits gasdermin D–dependent neutrophil extracellular traps." Science Immunology **3**(26): eaar6676.
Chen, M. L., S. Wu, T. C. Tsai, L. K. Wang and F. M. Tsai (2014). "Regulation of neutrophil phagocytosis of Escherichia coli by antipsychotic drugs." Int Immunopharmacol **23**(2): 550-557.
Chen, Z. and D. Hambardzumyan (2018). "Immune Microenvironment in Glioblastoma Subtypes." Frontiers in immunology **9**: 1004-1004.

Chow, O. A., M. von Köckritz-Blickwede, A. T. Bright, M. E. Hensler, A. S. Zinkernagel, A. L. Cogen, R. L. Gallo, M. Monestier, Y. Wang, C. K. Glass and V. Nizet (2010). "Statins enhance formation of phagocyte extracellular traps." Cell host & microbe **8**(5): 445-454.
Christianson, C. A., M. Corr, T. L. Yaksh and C. I. Svensson (2012). "K/BxN serum transfer arthritis as a model of inflammatory joint pain." Methods in molecular biology (Clifton, N.J.) **851**: 249-260.
Colonna, M. (2003). "TREMs in the immune system and beyond." Nat Rev Immunol **3**(6): 445-453.
Colonna, M. and O. Butovsky (2017). "Microglia Function in the Central Nervous System During Health and Neurodegeneration." Annu Rev Immunol **35**: 441-468.
Colonna, M. and Y. Wang (2016). "TREM2 variants: new keys to decipher Alzheimer disease pathogenesis." Nature Reviews Neuroscience **17**(4): 201-207.
Coniglio, S. J., E. Eugenin, K. Dobrenis, E. R. Stanley, B. L. West, M. H. Symons and J. E. Segall (2012). "Microglial stimulation of glioblastoma invasion involves epidermal growth factor receptor (EGFR) and colony stimulating factor 1 receptor (CSF-1R) signaling." Molecular medicine (Cambridge, Mass.) **18**(1): 519-527.
Cools-Lartigue, J., J. Spicer, B. McDonald, S. Gowing, S. Chow, B. Giannias, F. Bourdeau, P. Kubes and L. Ferri (2013). "Neutrophil extracellular traps sequester circulating tumor cells and promote metastasis." The Journal of clinical investigation **123**(8): 3446-3458.
Corsiero, E., F. Pratesi, E. Prediletto, M. Bombardieri and P. Migliorini (2016). "NETosis as Source of Autoantigens in Rheumatoid Arthritis." Frontiers in immunology **7**: 485-485.
Cosentino, M., A. M. Fietta, M. Ferrari, E. Rasini, R. Bombelli, E. Carcano, F. Saporiti, F. Meloni, F. Marino and S. Lecchini (2007). "Human CD4+CD25+ regulatory T cells selectively express tyrosine hydroxylase and contain endogenous catecholamines subserving an autocrine/paracrine inhibitory functional loop." Blood **109**(2): 632-642.
Cosentino, M., F. Marino, R. Bombelli, M. Ferrari, S. Lecchini and G. Frigo (1999). "Endogenous catecholamine synthesis, metabolism, storage and uptake in human neutrophils." Life Sci **64**(11): 975-981.
Couturier, J., I.-C. Stancu, O. Schakman, N. Pierrot, F. Huaux, P. Kienlen-Campard, I. Dewachter and J.-N. Octave (2016). "Activation of phagocytic activity in astrocytes by reduced expression of the inflammasome component ASC and its implication in a mouse model of Alzheimer disease." Journal of neuroinflammation **13**: 20-20.
Cunha, A. A., B. N. Porto, N. K. Nuñez, R. G. Souza, M. H. Vargas, J. S. Silveira, T. T. Souza, N. Jaeger and P. M. Pitrez (2014). "Extracellular DNA traps in bronchoalveolar fluid from a murine eosinophilic pulmonary response." Allergy **69**(12): 1696-1700.
Czaikoski, P. G., J. M. S. C. Mota, D. C. Nascimento, F. Sônego, F. V. e. S. Castanheira, P. H. Melo, G. T. Scortegagna, R. L. Silva, R. Barroso-Sousa, F. O. Souto, A. Pazin-Filho, F. Figueiredo, J. C. Alves-Filho and F. Q. Cunha (2016). "Neutrophil Extracellular Traps Induce Organ Damage during Experimental and Clinical Sepsis." PLoS ONE **11**(2): e0148142.
D'Cruz, A. A., M. Speir, M. Bliss-Moreau, S. Dietrich and S. Wang (2018). "The pseudokinase MLKL activates PAD4-dependent NET formation in necroptotic neutrophils." **11**(546).
Daginakatte, G. C., S. M. Gianino, N. W. Zhao, A. S. Parsadanian and D. H. Gutmann (2008). "Increased c-Jun-NH₂-Kinase Signaling in Neurofibromatosis-1 Heterozygous Microglia Drives Microglia Activation and Promotes Optic Glioma Proliferation." Cancer Research **68**(24): 10358.
Daher, J. P. L., L. A. Volpicelli-Daley, J. P. Blackburn, M. S. Moehle and A. B. West (2014). "Abrogation of α-synuclein-mediated dopaminergic neurodegeneration in LRRK2-deficient rats." Proceedings of the National Academy of Sciences of the United States of America **111**(25): 9289-9294.
Dalbeth, N., T. R. Merriman and L. K. Stamp (2016). "Gout." The Lancet **388**(10055): 2039-2052.
Daniel, C., M. Leppkes, L. E. Muñoz, G. Schley, G. Schett and M. Herrmann (2019). "Extracellular DNA traps in inflammation, injury and healing." Nature Reviews Nephrology **15**(9): 559-575.
Daniele, S. G., D. Béraud, C. Davenport, K. Cheng, H. Yin and K. A. Maguire-Zeiss (2015). "Activation of MyD88-dependent TLR1/2 signaling by misfolded α-synuclein, a protein linked to neurodegenerative disorders." Science signaling **8**(376): ra45-ra45.
Dauer, W. and S. Przedborski (2003). "Parkinson's disease: mechanisms and models." Neuron **39**(6): 889-909.

de Bont, C. M., W. J. H. Koopman, W. C. Boelens and G. J. M. Pruijn (2018). "Stimulus-dependent chromatin dynamics, citrullination, calcium signalling and ROS production during NET formation." Biochimica et Biophysica Acta (BBA) - Molecular Cell Research **1865**(11, Part A): 1621-1629.
Delgado-Rizo, V., M. Martínez-Guzmán, L. Iñiguez-Gutierrez, A. García-Orozco, A. Alvarado-Navarro and M. Fafutis-Morris (2017). "Neutrophil extracellular traps and its implications in inflammation: an overview." Frontiers in Immunology **8**(81).
Demers, M., D. S. Krause, D. Schatzberg, K. Martinod, J. R. Voorhees, T. A. Fuchs, D. T. Scadden and D. D. Wagner (2012). "Cancers predispose neutrophils to release extracellular DNA traps that contribute to cancer-associated thrombosis." Proceedings of the National Academy of Sciences **109**(32): 13076-13081.
Demers, M., D. S. Krause, D. Schatzberg, K. Martinod, J. R. Voorhees, T. A. Fuchs, D. T. Scadden and D. D. Wagner (2012). "Cancers predispose neutrophils to release extracellular DNA traps that contribute to cancer-associated thrombosis." Proceedings of the National Academy of Sciences of the United States of America **109**(32): 13076-13081.
Denny, M. F., S. Yalavarthi, W. Zhao, S. G. Thacker, M. Anderson, A. R. Sandy, W. J. McCune and M. J. Kaplan (2010). "A distinct subset of proinflammatory neutrophils isolated from patients with systemic lupus erythematosus induces vascular damage and synthesizes type I IFNs." Journal of immunology (Baltimore, Md. : 1950) **184**(6): 3284-3297.
Denys, D., F. de Vries, D. Cath, M. Figee, N. Vulink, D. J. Veltman, T. F. van der Doef, R. Boellaard, H. Westenberg, A. van Balkom, A. A. Lammertsma and B. N. M. van Berckel (2013). "Dopaminergic activity in Tourette syndrome and obsessive-compulsive disorder." European Neuropsychopharmacology **23**(11): 1423-1431.
DeSouza-Vieira, T., A. Guimarães-Costa, N. C. Rochael, M. N. Lira, M. T. Nascimento, P. d. S. Lima-Gomez, R. M. Mariante, P. M. Persechini and E. M. Saraiva (2016). "Neutrophil extracellular traps release induced by Leishmania: role of PI3Kγ, ERK, PI3Kσ, PKC, and [Ca2+]." Journal of leukocyte biology **100**(4): 801-810.
Dick, M. S., L. Sborgi, S. Rühl, S. Hiller and P. Broz (2016). "ASC filament formation serves as a signal amplification mechanism for inflammasomes." Nature Communications **7**: 11929.
Doster, R. S., L. M. Rogers, J. A. Gaddy and D. M. Aronoff (2017). "Macrophage Extracellular Traps: A Scoping Review." J Innate Immun.
Doster, R. S., L. M. Rogers, J. A. Gaddy and D. M. Aronoff (2018). "Macrophage Extracellular Traps: A Scoping Review." Journal of Innate Immunity **10**(1): 3-13.
Douda, D. N., L. Yip, M. A. Khan, H. Grasemann and N. Palaniyar (2014). "Akt is essential to induce NADPH-dependent NETosis and to switch the neutrophil death to apoptosis." Blood **123**(4): 597-600.
Dwyer, M., Q. Shan, S. D'Ortona, R. Maurer, R. Mitchell, H. Olesen, S. Thiel, J. Huebner and M. Gadjeva (2014). "Cystic Fibrosis Sputum DNA has NETosis characteristics and NET release is regulated by MIF." Journal of innate immunity **6**(6): 765-779.
El Khoury, J. B., K. J. Moore, T. K. Means, J. Leung, K. Terada, M. Toft, M. W. Freeman and A. D. Luster (2003). "CD36 mediates the innate host response to beta-amyloid." The Journal of experimental medicine **197**(12): 1657-1666.
Englen, M. D., Y. E. Valdez, N. M. Lehnert and B. E. Lehnert (1995). "Granulocyte/macrophage colony-stimulating factor is expressed and secreted in cultures of murine L929 cells." Journal of Immunological Methods **184**(2): 281-283.
Ewing, A. G., J. C. Bigelow and R. M. Wightman (1983). "Direct in vivo monitoring of dopamine released from two striatal compartments in the rat." Science **221**(4606): 169.
Falk, R. J. and J. C. Jennette (1988). "Anti-neutrophil cytoplasmic autoantibodies with specificity for myeloperoxidase in patients with systemic vasculitis and idiopathic necrotizing and crescentic glomerulonephritis." N Engl J Med **318**(25): 1651-1657.
Falk, R. J., R. S. Terrell, L. A. Charles and J. C. Jennette (1990). "Anti-neutrophil cytoplasmic autoantibodies induce neutrophils to degranulate and produce oxygen radicals in vitro." Proceedings of the National Academy of Sciences of the United States of America **87**(11): 4115-4119.
Fan, Y., Z. Chen, J. L. Pathak, A. M. D. Carneiro and C. Y. Chung (2018). "Differential Regulation of Adhesion and Phagocytosis of Resting and Activated Microglia by Dopamine." Front Cell Neurosci **12**: 309.
Fan, Y., Z. Chen, J. L. Pathak, A. M. D. Carneiro and C. Y. Chung (2018). "Differential Regulation of Adhesion and Phagocytosis of Resting and Activated Microglia by Dopamine." Frontiers in cellular neuroscience **12**: 309-309.

Färber, K., U. Pannasch and H. Kettenmann (2005). "Dopamine and noradrenaline control distinct functions in rodent microglial cells." Mol Cell Neurosci **29**(1): 128-138.
Feng, X., F. Szulzewsky, A. Yerevanian, Z. Chen, D. Heinzmann, R. D. Rasmussen, V. Alvarez-Garcia, Y. Kim, B. Wang, I. Tamagno, H. Zhou, X. Li, H. Kettenmann, R. M. Ransohoff and D. Hambardzumyan (2015). "Loss of CX3CR1 increases accumulation of inflammatory monocytes and promotes gliomagenesis." Oncotarget **6**(17): 15077-15094.
Ferreri, L., E. Mas-Herrero, R. J. Zatorre, P. Ripollés, A. Gomez-Andres, H. Alicart, G. Olivé, J. Marco-Pallarés, R. M. Antonijoan, M. Valle, J. Riba and A. Rodriguez-Fornells (2019). "Dopamine modulates the reward experiences elicited by music." Proceedings of the National Academy of Sciences **116**(9): 3793.
Filomeni, G., D. De Zio and F. Cecconi (2015). "Oxidative stress and autophagy: the clash between damage and metabolic needs." Cell death and differentiation **22**(3): 377-388.
Fourgeaud, L., P. G. Través, Y. Tufail, H. Leal-Bailey, E. D. Lew, P. G. Burrola, P. Callaway, A. Zagórska, C. V. Rothlin, A. Nimmerjahn and G. Lemke (2016). "TAM receptors regulate multiple features of microglial physiology." Nature **532**(7598): 240-244.
Fousert, E., R. Toes and J. Desai (2020). "Neutrophil Extracellular Traps (NETs) Take the Central Stage in Driving Autoimmune Responses." Cells **9**(4): 915.
Frakes, A. E., L. Ferraiuolo, A. M. Haidet-Phillips, L. Schmelzer, L. Braun, C. J. Miranda, K. J. Ladner, A. K. Bevan, K. D. Foust, J. P. Godbout, P. G. Popovich, D. C. Guttridge and B. K. Kaspar (2014). "Microglia induce motor neuron death via the classical NF-κB pathway in amyotrophic lateral sclerosis." Neuron **81**(5): 1009-1023.
Franklin, B. S., L. Bossaller, D. De Nardo, J. M. Ratter, A. Stutz, G. Engels, C. Brenker, M. Nordhoff, S. R. Mirandola, A. Al-Amoudi, M. S. Mangan, S. Zimmer, B. G. Monks, M. Fricke, R. E. Schmidt, T. Espevik, B. Jones, A. G. Jarnicki, P. M. Hansbro, P. Busto, A. Marshak-Rothstein, S. Hornemann, A. Aguzzi, W. Kastenmuller and E. Latz (2014). "The adaptor ASC has extracellular and 'prionoid' activities that propagate inflammation." Nat Immunol **15**(8): 727-737.
Freeman, L., H. Guo, C. N. David, W. J. Brickey, S. Jha and J. P. Y. Ting (2017). "NLR members NLRC4 and NLRP3 mediate sterile inflammasome activation in microglia and astrocytes." Journal of Experimental Medicine **214**(5): 1351-1370.
Friedman, B. A., K. Srinivasan, G. Ayalon, W. J. Meilandt, H. Lin, M. A. Huntley, Y. Cao, S.-H. Lee, P. C. G. Haddick, H. Ngu, Z. Modrusan, J. L. Larson, J. S. Kaminker, M. P. van der Brug and D. V. Hansen (2018). "Diverse Brain Myeloid Expression Profiles Reveal Distinct Microglial Activation States and Aspects of Alzheimer's Disease Not Evident in Mouse Models." Cell Reports **22**(3): 832-847.
Fuchs, T. A., U. Abed, C. Goosmann, R. Hurwitz, I. Schulze, V. Wahn, Y. Weinrauch, V. Brinkmann and A. Zychlinsky (2007). "Novel cell death program leads to neutrophil extracellular traps." The Journal of Cell Biology **176**(2): 231-241.
Fuchs, T. A., A. Brill, D. Duerschmied, D. Schatzberg, M. Monestier, D. D. Myers, S. K. Wrobleski, T. W. Wakefield, J. H. Hartwig and D. D. Wagner (2010). "Extracellular DNA traps promote thrombosis." Proceedings of the National Academy of Sciences of the United States of America **107**(36): 15880-15885.
Gabriel, C., W. R. McMaster, D. Girard and A. Descoteaux (2010). "Leishmania donovani promastigotes evade the antimicrobial activity of neutrophil extracellular traps." J Immunol **185**(7): 4319-4327.
Gaipl, U. S., T. D. Beyer, P. Heyder, S. Kuenkele, A. Böttcher, R. E. Voll, J. R. Kalden and M. Herrmann (2004). "Cooperation between C1q and DNase I in the clearance of necrotic cell-derived chromatin." Arthritis Rheum **50**(2): 640-649.
Galatro, T. F., I. R. Holtman, A. M. Lerario, I. D. Vainchtein, N. Brouwer, P. R. Sola, M. M. Veras, T. F. Pereira, R. E. P. Leite, T. Möller, P. D. Wes, M. C. Sogayar, J. D. Laman, W. den Dunnen, C. A. Pasqualucci, S. M. Oba-Shinjo, E. W. G. M. Boddeke, S. K. N. Marie and B. J. L. Eggen (2017). "Transcriptomic analysis of purified human cortical microglia reveals age-associated changes." Nature Neuroscience **20**(8): 1162-1171.
Garcia-Romo, G. S., S. Caielli, B. Vega, J. Connolly, F. Allantaz, Z. Xu, M. Punaro, J. Baisch, C. Guiducci, R. L. Coffman, F. J. Barrat, J. Banchereau and V. Pascual (2011). "Netting neutrophils are major inducers of type I IFN production in pediatric systemic lupus erythematosus." Science translational medicine **3**(73): 73ra20-73ra20.

Gaskill, P. J., T. M. Calderon, A. J. Luers, E. A. Eugenin, J. A. Javitch and J. W. Berman (2009). "Human immunodeficiency virus (HIV) infection of human macrophages is increased by dopamine: a bridge between HIV-associated neurologic disorders and drug abuse." Am J Pathol **175**(3): 1148-1159.
Gaskill, P. J., D. R. Miller, J. Gamble-George, H. Yano and H. Khoshbouei (2017). "HIV, Tat and dopamine transmission." Neurobiol Dis **105**: 51-73.
Gaskill, P. J., H. H. Yano, G. V. Kalpana, J. A. Javitch and J. W. Berman (2014). "Dopamine receptor activation increases HIV entry into primary human macrophages." PLoS One **9**(9): e108232.
Germic, N., D. Stojkov, K. Oberson, S. Yousefi and H.-U. Simon (2017). "Neither eosinophils nor neutrophils require ATG5-dependent autophagy for extracellular DNA trap formation." Immunology **152**(3): 517-525.
Gevaert, E., N. Zhang, O. Krysko, F. Lan, G. Holtappels, N. De Ruyck, H. Nauwynck, S. Yousefi, H. U. Simon and C. Bachert (2017). "Extracellular eosinophilic traps in association with Staphylococcus aureus at the site of epithelial barrier defects in patients with severe airway inflammation." J Allergy Clin Immunol **139**(6): 1849-1860.e1846.
Ginhoux, F., M. Greter, M. Leboeuf, S. Nandi, P. See, S. Gokhan, M. F. Mehler, S. J. Conway, L. G. Ng, E. R. Stanley, I. M. Samokhvalov and M. Merad (2010). "Fate mapping analysis reveals that adult microglia derive from primitive macrophages." Science **330**(6005): 841-845.
Goldmann, O. and E. Medina (2012). "The expanding world of extracellular traps: not only neutrophils but much more." Front Immunol **3**: 420.
Gonzalez, R. C. and R. E. Woods (2018). **Digital Image Processing**, Pearson.
Gordon, R. A., J. M. Herter, F. Rosetti, A. M. Campbell, H. Nishi, M. Kashgarian, S. I. Bastacky, A. Marinov, K. M. Nickerson, T. N. Mayadas and M. J. Shlomchik (2017). "Lupus and proliferative nephritis are PAD4 independent in murine models." JCI Insight **2**(10).
Gordon, S., A. Plüddemann and F. Martinez Estrada (2014). "Macrophage heterogeneity in tissues: phenotypic diversity and functions." Immunological reviews **262**(1): 36-55.
Goto, Y., S. Otani and A. A. Grace (2007). "The Yin and Yang of dopamine release: a new perspective." Neuropharmacology **53**(5): 583-587.
Granger, V., D. Faille, V. Marani, B. Noël, Y. Gallais, N. Szely, H. Flament, M. Pallardy, S. Chollet-Martin and L. de Chaisemartin (2017). "Human blood monocytes are able to form extracellular traps." Journal of Leukocyte Biology **102**(3): 775-781.
Grayson, P. C., C. Carmona-Rivera, L. Xu, N. Lim, Z. Gao, A. L. Asare, U. Specks, J. H. Stone, P. Seo, R. F. Spiera, C. A. Langford, G. S. Hoffman, C. G. Kallenberg, E. W. St Clair, N. K. Tchao, S. R. Ytterberg, D. J. Phippard, P. A. Merkel, M. J. Kaplan and P. A. Monach (2015). "Neutrophil-Related Gene Expression and Low-Density Granulocytes Associated With Disease Activity and Response to Treatment in Antineutrophil Cytoplasmic Antibody-Associated Vasculitis." Arthritis Rheumatol **67**(7): 1922-1932.
Griciuc, A., A. Serrano-Pozo, A. R. Parrado, A. N. Lesinski, C. N. Asselin, K. Mullin, B. Hooli, S. H. Choi, B. T. Hyman and R. E. Tanzi (2013). "Alzheimer's disease risk gene CD33 inhibits microglial uptake of amyloid beta." Neuron **78**(4): 631-643.
Guglietta, S., A. Chiavelli, E. Zagato, C. Krieg, S. Gandini, P. S. Ravenda, B. Bazolli, B. Lu, G. Penna and M. Rescigno (2016). "Coagulation induced by C3aR-dependent NETosis drives protumorigenic neutrophils during small intestinal tumorigenesis." Nature Communications **7**: 11037.
Guo, H., J. B. Callaway and J. P. Y. Ting (2015). "Inflammasomes: mechanism of action, role in disease, and therapeutics." Nat Med **21**(7): 677-687.
Gupta, S. and M. J. Kaplan (2016). "The role of neutrophils and NETosis in autoimmune and renal diseases." Nature reviews. Nephrology **12**(7): 402-413.
Gutmann, D. H. and H. Kettenmann (2019). "Microglia/Brain Macrophages as Central Drivers of Brain Tumor Pathobiology." Neuron **104**(3): 442-449.
Hakkim, A., T. A. Fuchs, N. E. Martinez, S. Hess, H. Prinz, A. Zychlinsky and H. Waldmann (2011). "Activation of the Raf-MEK-ERK pathway is required for neutrophil extracellular trap formation." Nature Chemical Biology **7**(2): 75-77.
Hakkim, A., B. G. Fürnrohr, K. Amann, B. Laube, U. A. Abed, V. Brinkmann, M. Herrmann, R. E. Voll and A. Zychlinsky (2010). "Impairment of neutrophil extracellular trap degradation is associated with lupus nephritis." Proceedings of the National Academy of Sciences of the United States of America **107**(21): 9813-9818.

Hakkim, A., B. G. Fürnrohr, K. Amann, B. Laube, U. A. Abed, V. Brinkmann, M. Herrmann, R. E. Voll and A. Zychlinsky (2010). "Impairment of neutrophil extracellular trap degradation is associated with lupus nephritis." Proceedings of the National Academy of Sciences **107**(21): 9813.
Halder, L. D., M. A. Abdelfatah, E. A. H. Jo, I. D. Jacobsen, M. Westermann, N. Beyersdorf, S. Lorkowski, P. F. Zipfel and C. Skerka (2016). "Factor H Binds to Extracellular DNA Traps Released from Human Blood Monocytes in Response to Candida albicans." Frontiers in Immunology **7**: 671.
Halder, L. D., M. A. Abdelfatah, E. A. H. Jo, I. D. Jacobsen, M. Westermann, N. Beyersdorf, S. Lorkowski, P. F. Zipfel and C. Skerka (2017). "Factor H Binds to Extracellular DNA Traps Released from Human Blood Monocytes in Response to Candida albicans." Frontiers in immunology **7**: 671-671.
Hambardzumyan, D., D. H. Gutmann and H. Kettenmann (2016). "The role of microglia and macrophages in glioma maintenance and progression." Nat Neurosci **19**(1): 20-27.
Hansen, D. V., J. E. Hanson and M. Sheng (2017). "Microglia in Alzheimer's diseaseAlzheimer's disease: A microglial conundrum." Journal of Cell Biology **217**(2): 459-472.
Haskó, G., C. Szabó, Z. H. Németh and E. A. Deitch (2002). "Dopamine suppresses IL-12 p40 production by lipopolysaccharide-stimulated macrophages via a beta-adrenoceptor-mediated mechanism." J Neuroimmunol **122**(1-2): 34-39.
Hazeldine, J., P. Harris, I. L. Chapple, M. Grant, H. Greenwood, A. Livesey, E. Sapey and J. M. Lord (2014). "Impaired neutrophil extracellular trap formation: a novel defect in the innate immune system of aged individuals." Aging Cell **13**(4): 690-698.
Hellenbrand, K. M., K. M. Forsythe, J. J. Rivera-Rivas, C. J. Czuprynski and N. A. Aulik (2013). "Histophilus somni causes extracellular trap formation by bovine neutrophils and macrophages." Microb Pathog **54**: 67-75.
Heneka, M. T., D. T. Golenbock and E. Latz (2015). "Innate immunity in Alzheimer's disease." Nat Immunol **16**(3): 229-236.
Heneka, M. T., M. P. Kummer, A. Stutz, A. Delekate, S. Schwartz, A. Vieira-Saecker, A. Griep, D. Axt, A. Remus, T.-C. Tzeng, E. Gelpi, A. Halle, M. Korte, E. Latz and D. T. Golenbock (2013). "NLRP3 is activated in Alzheimer's disease and contributes to pathology in APP/PS1 mice." Nature **493**(7434): 674-678.
Holmes, C. L., D. Shim, J. Kernien, C. J. Johnson, J. E. Nett and M. A. Shelef (2019). "Insight into Neutrophil Extracellular Traps through Systematic Evaluation of Citrullination and Peptidylarginine Deiminases." Journal of Immunology Research **2019**: 2160192.
Hong, S., V. F. Beja-Glasser, B. M. Nfonoyim, A. Frouin, S. Li, S. Ramakrishnan, K. M. Merry, Q. Shi, A. Rosenthal, B. A. Barres, C. A. Lemere, D. J. Selkoe and B. Stevens (2016). "Complement and microglia mediate early synapse loss in Alzheimer mouse models." Science **352**(6286): 712-716.
Hosseinzadeh, A., P. R. Thompson, B. H. Segal and C. F. Urban (2016). "Nicotine induces neutrophil extracellular traps." Journal of Leukocyte Biology **100**(5): 1105-1112.
Huang, H., S. Tohme, A. B. Al-Khafaji, S. Tai, P. Loughran, L. Chen, S. Wang, J. Kim, T. Billiar, Y. Wang and A. Tsung (2015). "Damage-associated molecular pattern-activated neutrophil extracellular trap exacerbates sterile inflammatory liver injury." Hepatology **62**(2): 600-614.
Inoue, K. and M. Tsuda (2018). "Microglia in neuropathic pain: cellular and molecular mechanisms and therapeutic potential." Nature Reviews Neuroscience **19**(3): 138-152.
Itakura, A. and O. J. McCarty (2013). "Pivotal role for the mTOR pathway in the formation of neutrophil extracellular traps via regulation of autophagy." Am J Physiol Cell Physiol **305**(3): C348-354.
Jakel, R. J. and W. F. Maragos (2000). "Neuronal cell death in Huntington's disease: a potential role for dopamine." Trends in Neurosciences **23**(6): 239-245.
Je, S., H. Quan, Y. Yoon, Y. Na, B. J. Kim and S. H. Seok (2016). "Mycobacterium massiliense Induces Macrophage Extracellular Traps with Facilitating Bacterial Growth." PLoS One **11**(5): e0155685.
Jha, S., W. J. Brickey and J. P.-Y. Ting (2017). "Inflammasomes in Myeloid Cells: Warriors Within." Microbiology Spectrum **5**(1).
Jha, S., S. Y. Srivastava, W. J. Brickey, H. Iocca, A. Toews, J. P. Morrison, V. S. Chen, D. Gris, G. K. Matsushima and J. P. Y. Ting (2010). "The Inflammasome Sensor, NLRP3, Regulates CNS Inflammation and Demyelination via Caspase-1 and Interleukin-18." The Journal of Neuroscience **30**(47): 15811.
Jha, S., S. Y. Srivastava, W. J. Brickey, H. Iocca, A. Toews, J. P. Morrison, V. S. Chen, D. Gris, G. K. Matsushima and J. P. Y. Ting (2010). "The inflammasome sensor, NLRP3, regulates CNS inflammation and

demyelination via caspase-1 and interleukin-18." The Journal of neuroscience : the official journal of the Society for Neuroscience **30**(47): 15811-15820.
Jiménez-Alcázar, M. and C. Rangaswamy (2017). "Host DNases prevent vascular occlusion by neutrophil extracellular traps." **358**(6367): 1202-1206.
Jodko-Piórecka, K. and G. Litwinienko (2015). "Antioxidant activity of dopamine and L-DOPA in lipid micelles and their cooperation with an analogue of α-tocopherol." Free Radical Biology and Medicine **83**: 1-11.
Jönsson, B. E., J. Bylund, B. R. Johansson, E. Telemo and A. E. Wold (2013). "Cord-forming mycobacteria induce DNA meshwork formation by human peripheral blood mononuclear cells." Pathogens and Disease **67**(1): 54-66.
Jorch, S. K. and P. Kubes (2017). "An emerging role for neutrophil extracellular traps in noninfectious disease." Nat Med **23**(3): 279-287.
Joshi, M. B., A. Lad, A. S. Bharath Prasad, A. Balakrishnan, L. Ramachandra and K. Satyamoorthy (2013). "High glucose modulates IL-6 mediated immune homeostasis through impeding neutrophil extracellular trap formation." FEBS Letters **587**(14): 2241-2246.
Joshi, M. B., A. Lad, A. S. Bharath Prasad, A. Balakrishnan, L. Ramachandra and K. Satyamoorthy (2013). "High glucose modulates IL-6 mediated immune homeostasis through impeding neutrophil extracellular trap formation." FEBS Lett **587**(14): 2241-2246.
Kahlenberg, J. M., C. Carmona-Rivera, C. K. Smith and M. J. Kaplan (2013). "Neutrophil extracellular trap-associated protein activation of the NLRP3 inflammasome is enhanced in lupus macrophages." Journal of immunology (Baltimore, Md. : 1950) **190**(3): 1217-1226.
Kessenbrock, K., M. Krumbholz, U. Schönermarck, W. Back, W. L. Gross, Z. Werb, H.-J. Gröne, V. Brinkmann and D. E. Jenne (2009). "Netting neutrophils in autoimmune small-vessel vasculitis." Nature Medicine **15**(6): 623-625.
Khan, M. A., A. Farahvash, D. N. Douda, J.-C. Licht, H. Grasemann, N. Sweezey and N. Palaniyar (2017). "JNK Activation Turns on LPS- and Gram-Negative Bacteria-Induced NADPH Oxidase-Dependent Suicidal NETosis." Scientific Reports **7**(1): 3409.
Khandpur, R., C. Carmona-Rivera, A. Vivekanandan-Giri, A. Gizinski, S. Yalavarthi, J. S. Knight, S. Friday, S. Li, R. M. Patel, V. Subramanian, P. Thompson, P. Chen, D. A. Fox, S. Pennathur and M. J. Kaplan (2013). "NETs are a source of citrullinated autoantigens and stimulate inflammatory responses in rheumatoid arthritis." Science translational medicine **5**(178): 178ra140-178ra140.
Kienhöfer, D., J. Hahn, J. Stoof, J. Z. Csepregi, C. Reinwald, V. Urbonaviciute, C. Johnsson, C. Maueröder, M. J. Podolska, M. H. Biermann, M. Leppkes, T. Harrer, M. Hultqvist, P. Olofsson, L. E. Munoz, A. Mocsai, M. Herrmann, G. Schett, R. Holmdahl and M. H. Hoffmann (2017). "Experimental lupus is aggravated in mouse strains with impaired induction of neutrophil extracellular traps." JCI insight **2**(10): e92920.
King, P. T., R. Sharma, K. O'Sullivan, S. Selemidis, S. Lim, N. Radhakrishna, C. Lo, J. Prasad, J. Callaghan, P. McLaughlin, M. Farmer, D. Steinfort, B. Jennings, J. Ngui, B. R. Broughton, B. Thomas, A. T. Essilfie, M. Hickey, P. W. Holmes, P. Hansbro, P. G. Bardin and S. R. Holdsworth (2015). "Nontypeable Haemophilus influenzae induces sustained lung oxidative stress and protease expression." PLoS One **10**(3): e0120371.
King, P. T., R. Sharma, K. O'Sullivan, S. Selemidis, S. Lim, N. Radhakrishna, C. Lo, J. Prasad, J. Callaghan, P. McLaughlin, M. Farmer, D. Steinfort, B. Jennings, J. Ngui, B. R. S. Broughton, B. Thomas, A.-T. Essilfie, M. Hickey, P. W. Holmes, P. Hansbro, P. G. Bardin and S. R. Holdsworth (2015). "Nontypeable Haemophilus influenzae Induces Sustained Lung Oxidative Stress and Protease Expression." PLoS ONE **10**(3): e0120371.
Klein, M. O., D. S. Battagello, A. R. Cardoso, D. N. Hauser, J. C. Bittencourt and R. G. Correa (2019). "Dopamine: Functions, Signaling, and Association with Neurological Diseases." Cellular and Molecular Neurobiology **39**(1): 31-59.
Knight Jason, S., W. Luo, A. O'Dell Alexander, S. Yalavarthi, W. Zhao, V. Subramanian, C. Guo, C. Grenn Robert, R. Thompson Paul, T. Eitzman Daniel and J. Kaplan Mariana (2014). "Peptidylarginine Deiminase Inhibition Reduces Vascular Damage and Modulates Innate Immune Responses in Murine Models of Atherosclerosis." Circulation Research **114**(6): 947-956.
Knight, J. S., V. Subramanian, A. A. O'Dell, S. Yalavarthi, W. Zhao, C. K. Smith, J. B. Hodgin, P. R. Thompson and M. J. Kaplan (2015). "Peptidylarginine deiminase inhibition disrupts NET formation and protects against kidney, skin and vascular disease in lupus-prone MRL/lpr mice." Ann Rheum Dis **74**(12): 2199-2206.

Knight, J. S., W. Zhao, W. Luo, V. Subramanian, A. A. O'Dell, S. Yalavarthi, J. B. Hodgin, D. T. Eitzman, P. R. Thompson and M. J. Kaplan (2013). "Peptidylarginine deiminase inhibition is immunomodulatory and vasculoprotective in murine lupus." J Clin Invest **123**(7): 2981-2993.
Kokkinou, I., E. G. Fragoulis and D. Vassilacopoulou (2009). "The U937 macrophage cell line expresses enzymatically active L-Dopa decarboxylase." J Neuroimmunol **216**(1-2): 51-58.
Koschan, A. and M. Abidi (2008). **Digital Color Image Processing**, Wiley.
Ku, M.-C., S. A. Wolf, D. Respondek, V. Matyash, A. Pohlmann, S. Waiczies, H. Waiczies, T. Niendorf, M. Synowitz, R. Glass and H. Kettenmann (2013). "GDNF mediates glioblastoma-induced microglia attraction but not astrogliosis." Acta Neuropathologica **125**(4): 609-620.
Kusunoki, Y., D. Nakazawa, H. Shida, F. Hattanda, A. Miyoshi, S. Masuda, S. Nishio, U. Tomaru, T. Atsumi and A. Ishizu (2016). "Peptidylarginine Deiminase Inhibitor Suppresses Neutrophil Extracellular Trap Formation and MPO-ANCA Production." Frontiers in immunology **7**: 227-227.
Le Fur, G., T. Phan and A. Uzan (1980). "Identification of stereospecific [3H]spiroperidol binding sites in mammalian lymphocytes." Life Sciences **26**(14): 1139-1148.
Leffler, J., M. Martin, B. Gullstrand, H. Tydén, C. Lood, L. Truedsson, A. A. Bengtsson and A. M. Blom (2012). "Neutrophil Extracellular Traps That Are Not Degraded in Systemic Lupus Erythematosus Activate Complement Exacerbating the Disease." The Journal of Immunology **188**(7): 3522.
Leng, F. and P. Edison (2020). "Neuroinflammation and microglial activation in Alzheimer disease: where do we go from here?" Nature Reviews Neurology.
Lenz, K. M. and L. H. Nelson (2018). "Microglia and Beyond: Innate Immune Cells As Regulators of Brain Development and Behavioral Function." Frontiers in Immunology **9**(698).
Levite, M. (2012). Dopamine in the Immune System: Dopamine Receptors in Immune Cells, Potent Effects, Endogenous Production and Involvement in Immune and Neuropsychiatric Diseases. Nerve-Driven Immunity: Neurotransmitters and Neuropeptides in the Immune System. M. Levite. Vienna, Springer Vienna**:** 1-45.
Li, Q. and B. A. Barres (2018). "Microglia and macrophages in brain homeostasis and disease." Nature Reviews Immunology **18**(4): 225-242.
Liang, H., X. Wang, H. Chen, L. Song, L. Ye, S. H. Wang, Y. J. Wang, L. Zhou and W. Z. Ho (2008). "Methamphetamine enhances HIV infection of macrophages." Am J Pathol **172**(6): 1617-1624.
Lin, A. M., C. J. Rubin, R. Khandpur, J. Y. Wang, M. Riblett, S. Yalavarthi, E. C. Villanueva, P. Shah, M. J. Kaplan and A. T. Bruce (2011). "Mast cells and neutrophils release IL-17 through extracellular trap formation in psoriasis." J Immunol **187**(1): 490-500.
Lin, J. C., C. S. Lin, C. W. Hsu, C. L. Lin and C. H. Kao (2016). "Association Between Parkinson's Disease and Inflammatory Bowel Disease: a Nationwide Taiwanese Retrospective Cohort Study." Inflamm Bowel Dis **22**(5): 1049-1055.
Lisi, L., E. Laudati, P. Navarra and C. Dello Russo (2014). "The mTOR kinase inhibitors polarize glioma-activated microglia to express a M1 phenotype." J Neuroinflammation **11**: 125.
Liu, H., R. K. Leak and X. Hu (2016). "Neurotransmitter receptors on microglia." Stroke and vascular neurology **1**(2): 52-58.
Liu, P., X. Wu, C. Liao, X. Liu, J. Du, H. Shi, X. Wang, X. Bai, P. Peng, L. Yu, F. Wang, Y. Zhao and M. Liu (2014). "Escherichia coli and Candida albicans induced macrophage extracellular trap-like structures with limited microbicidal activity." PLoS One **9**(2): e90042.
Loane, D. J. and A. Kumar (2016). "Microglia in the TBI brain: The good, the bad, and the dysregulated." Experimental neurology **275 Pt 3**(0 3): 316-327.
Lood, C., L. P. Blanco, M. M. Purmalek, C. Carmona-Rivera, S. S. De Ravin, C. K. Smith, H. L. Malech, J. A. Ledbetter, K. B. Elkon and M. J. Kaplan (2016). "Neutrophil extracellular traps enriched in oxidized mitochondrial DNA are interferogenic and contribute to lupus-like disease." Nature Medicine **22**: 146.
Lood, C., L. P. Blanco, M. M. Purmalek, C. Carmona-Rivera, S. S. De Ravin, C. K. Smith, H. L. Malech, J. A. Ledbetter, K. B. Elkon and M. J. Kaplan (2016). "Neutrophil extracellular traps enriched in oxidized mitochondrial DNA are interferogenic and contribute to lupus-like disease." Nature Medicine **22**(2): 146-153.
Lood, C. and G. C. Hughes (2017). "Neutrophil extracellular traps as a potential source of autoantigen in cocaine-associated autoimmunity." Rheumatology (Oxford) **56**(4): 638-643.

Lopes, J. P., M. Stylianou, G. Nilsson and C. F. Urban (2015). "Opportunistic pathogen Candida albicans elicits a temporal response in primary human mast cells." Scientific Reports **5**(1): 12287.
Lucas, L. A. C. and B. A. McMillen (2002). "Differences in brain area concentrations of dopamine and serotonin in myers' high ethanol preferring (mHEP) and outbred rats." Journal of Neural Transmission **109**(3): 279-292.
Martinod, K., M. Demers, T. A. Fuchs, S. L. Wong, A. Brill, M. Gallant, J. Hu, Y. Wang and D. D. Wagner (2013). "Neutrophil histone modification by peptidylarginine deiminase 4 is critical for deep vein thrombosis in mice." Proceedings of the National Academy of Sciences of the United States of America **110**(21): 8674-8679.
Martinon, F., K. Burns and J. Tschopp (2002). "The Inflammasome: A Molecular Platform Triggering Activation of Inflammatory Caspases and Processing of proIL-β." Molecular Cell **10**(2): 417-426.
Mastroeni, D., A. Grover, B. Leonard, J. N. Joyce, P. D. Coleman, B. Kozik, D. L. Bellinger and J. Rogers (2009). "Microglial responses to dopamine in a cell culture model of Parkinson's disease." Neurobiol Aging **30**(11): 1805-1817.
Matt, S. M. and P. J. Gaskill (2020). "Where Is Dopamine and how do Immune Cells See it?: Dopamine-Mediated Immune Cell Function in Health and Disease." Journal of Neuroimmune Pharmacology **15**(1): 114-164.
Matt, S. M. and P. J. Gaskill (2020). "Where Is Dopamine and how do Immune Cells See it?: Dopamine-Mediated Immune Cell Function in Health and Disease." **15**(1): 114-164.
McKenna, F., P. J. McLaughlin, B. J. Lewis, G. C. Sibbring, J. A. Cummerson, D. Bowen-Jones and R. J. Moots (2002). "Dopamine receptor expression on human T- and B-lymphocytes, monocytes, neutrophils, eosinophils and NK cells: a flow cytometric study." J Neuroimmunol **132**(1-2): 34-40.
Mehrpour, M., A. Esclatine, I. Beau and P. Codogno (2010). "Overview of macroautophagy regulation in mammalian cells." Cell Res **20**(7): 748-762.
Meiser, J., D. Weindl and K. Hiller (2013). "Complexity of dopamine metabolism." Cell Communication and Signaling **11**(1): 34.
Metzler, K. D., T. A. Fuchs, W. M. Nauseef, D. Reumaux, J. Roesler, I. Schulze, V. Wahn, V. Papayannopoulos and A. Zychlinsky (2011). "Myeloperoxidase is required for neutrophil extracellular trap formation: implications for innate immunity." Blood **117**(3): 953-959.
Metzler, K. D., C. Goosmann, A. Lubojemska, A. Zychlinsky and V. Papayannopoulos (2014). "A myeloperoxidase-containing complex regulates neutrophil elastase release and actin dynamics during NETosis." Cell reports **8**(3): 883-896.
Middleton, E. A., X.-Y. He, F. Denorme, R. A. Campbell, D. Ng, S. P. Salvatore, M. Mostyka, A. Baxter-Stoltzfus, A. C. Borczuk, M. Loda, M. J. Cody, B. K. Manne, I. Portier, E. S. Harris, A. C. Petrey, E. J. Beswick, A. F. Caulin, A. Iovino, L. M. Abegglen, A. S. Weyrich, M. T. Rondina, M. Egeblad, J. D. Schiffman and C. C. Yost (2020). "Neutrophil extracellular traps contribute to immunothrombosis in COVID-19 acute respiratory distress syndrome." Blood **136**(10): 1169-1179.
Mitroulis, I., K. Kambas, A. Chrysanthopoulou, P. Skendros, E. Apostolidou, I. Kourtzelis, G. I. Drosos, D. T. Boumpas and K. Ritis (2011). "Neutrophil Extracellular Trap Formation Is Associated with IL-1β and Autophagy-Related Signaling in Gout." PLOS ONE **6**(12): e29318.
Mizee, M. R., S. S. M. Miedema, M. van der Poel, Adelia, K. G. Schuurman, M. E. van Strien, J. Melief, J. Smolders, D. A. Hendrickx, K. M. Heutinck, J. Hamann and I. Huitinga (2017). "Isolation of primary microglia from the human post-mortem brain: effects of ante- and post-mortem variables." Acta neuropathologica communications **5**(1): 16-16.
Mohanty, T., J. Fisher, A. Bakochi, A. Neumann, J. F. P. Cardoso, C. A. Q. Karlsson, C. Pavan, I. Lundgaard, B. Nilson, P. Reinstrup, J. Bonnevier, D. Cederberg, J. Malmström, P. Bentzer and A. Linder (2019). "Neutrophil extracellular traps in the central nervous system hinder bacterial clearance during pneumococcal meningitis." Nature Communications **10**(1): 1667.
Möllerherm, H., M. von Köckritz-Blickwede and K. Branitzki-Heinemann (2016). "Antimicrobial Activity of Mast Cells: Role and Relevance of Extracellular DNA Traps." Frontiers in Immunology **7**(265).
Möllerherm, H., M. von Köckritz-Blickwede and K. Branitzki-Heinemann (2016). "Antimicrobial Activity of Mast Cells: Role and Relevance of Extracellular DNA Traps." Front Immunol **7**: 265.
Mor-Vaknin, N., A. Saha, M. Legendre and C. Carmona-Rivera (2017). "DEK-targeting DNA aptamers as therapeutics for inflammatory arthritis." **8**: 14252.

Morantz, R. A., G. W. Wood, M. Foster, M. Clark and K. Gollahon (1979). "Macrophages in experimental and human brain tumors. Part 2: studies of the macrophage content of human brain tumors." J Neurosurg **50**(3): 305-311.
Morshed, M., R. Hlushchuk, D. Simon, A. F. Walls, K. Obata-Ninomiya, H. Karasuyama, V. Djonov, A. Eggel, T. Kaufmann, H.-U. Simon and S. Yousefi (2014). "NADPH Oxidase–Independent Formation of Extracellular DNA Traps by Basophils." The Journal of Immunology **192**(11): 5314.
Morshed, M., R. Hlushchuk, D. Simon, A. F. Walls, K. Obata-Ninomiya, H. Karasuyama, V. Djonov, A. Eggel, T. Kaufmann, H. U. Simon and S. Yousefi (2014). "NADPH oxidase-independent formation of extracellular DNA traps by basophils." J Immunol **192**(11): 5314-5323.
Morshed, M., S. Yousefi, C. Stöckle, H. U. Simon and D. Simon (2012). "Thymic stromal lymphopoietin stimulates the formation of eosinophil extracellular traps." Allergy **67**(9): 1127-1137.
Mukherjee, M., D. C. Bulir, K. Radford, M. Kjarsgaard, C. M. Huang, E. A. Jacobsen, S. I. Ochkur, A. Catuneanu, H. Lamothe-Kipnes, J. Mahony, J. J. Lee, P. Lacy and P. K. Nair (2018). "Sputum autoantibodies in patients with severe eosinophilic asthma." J Allergy Clin Immunol **141**(4): 1269-1279.
Mukherjee, M., P. Lacy and S. Ueki (2018). "Eosinophil Extracellular Traps and Inflammatory Pathologies-Untangling the Web!" Frontiers in immunology **9**: 2763-2763.
Najmeh, S., J. Cools-Lartigue, R. F. Rayes, S. Gowing, P. Vourtzoumis, F. Bourdeau, B. Giannias, J. Berube, S. Rousseau, L. E. Ferri and J. D. Spicer (2017). "Neutrophil extracellular traps sequester circulating tumor cells via β1-integrin mediated interactions." International Journal of Cancer **140**(10): 2321-2330.
Nakano, K., T. Higashi, R. Takagi, K. Hashimoto, Y. Tanaka and S. Matsushita (2009). "Dopamine released by dendritic cells polarizes Th2 differentiation." Int Immunol **21**(6): 645-654.
Nakano, K., K. Yamaoka, K. Hanami, K. Saito, Y. Sasaguri, N. Yanagihara, S. Tanaka, I. Katsuki, S. Matsushita and Y. Tanaka (2011). "Dopamine induces IL-6-dependent IL-17 production via D1-like receptor on CD4 naive T cells and D1-like receptor antagonist SCH-23390 inhibits cartilage destruction in a human rheumatoid arthritis/SCID mouse chimera model." J Immunol **186**(6): 3745-3752.
Naqvi, N., K. Ahuja, A. Selvapandiyan, R. Dey, H. Nakhasi and N. Puri (2017). "Role of Mast Cells in clearance of Leishmania through extracellular trap formation." Scientific Reports **7**(1): 13240.
Neeli, I. and M. Radic (2013). "Opposition between PKC isoforms regulates histone deimination and neutrophil extracellular chromatin release." Front Immunol **4**: 38.
Neubert, E., D. Meyer, S. Kruss and L. Erpenbeck (2020). "The power from within – understanding the driving forces of neutrophil extracellular trap formation." Journal of Cell Science **133**(5): jcs241075.
Neumann, A., G. Brogden and M. von Köckritz-Blickwede (2020). "Extracellular Traps: An Ancient Weapon of Multiple Kingdoms." Biology **9**(2).
Norris, G. T. and J. Kipnis (2018). "Immune cells and CNS physiology: Microglia and beyond." Journal of Experimental Medicine **216**(1): 60-70.
O'Rourke, J. G., L. Bogdanik, A. Yáñez, D. Lall, A. J. Wolf, A. K. M. G. Muhammad, R. Ho, S. Carmona, J. P. Vit, J. Zarrow, K. J. Kim, S. Bell, M. B. Harms, T. M. Miller, C. A. Dangler, D. M. Underhill, H. S. Goodridge, C. M. Lutz and R. H. Baloh (2016). "C9orf72 is required for proper macrophage and microglial function in mice." Science (New York, N.Y.) **351**(6279): 1324-1329.
Olah, M., D. Raj, N. Brouwer, A. H. De Haas, B. J. L. Eggen, W. F. A. Den Dunnen, K. P. H. Biber and H. W. G. M. Boddeke (2012). "An optimized protocol for the acute isolation of human microglia from autopsy brain samples." Glia **60**(1): 96-111.
Olefirowicz, T. M. and A. G. Ewing (1990). "Dopamine concentration in the cytoplasmic compartment of single neurons determined by capillary electrophoresis." Journal of Neuroscience Methods **34**(1): 11-15.
Ott, T. and A. Nieder (2019). "Dopamine and Cognitive Control in Prefrontal Cortex." Trends in Cognitive Sciences **23**(3): 213-234.
Ott, T. and A. Nieder (2019). "Dopamine and Cognitive Control in Prefrontal Cortex." Trends Cogn Sci **23**(3): 213-234.
Papadaki, G., K. Kambas, C. Choulaki, K. Vlachou, E. Drakos, G. Bertsias, K. Ritis, D. T. Boumpas, P. R. Thompson, P. Verginis and P. Sidiropoulos (2016). "Neutrophil extracellular traps exacerbate Th1-mediated autoimmune responses in rheumatoid arthritis by promoting DC maturation." Eur J Immunol **46**(11): 2542-2554.
Papayannopoulos, V. (2017). "Neutrophil extracellular traps in immunity and disease." Nature Reviews Immunology.

Papayannopoulos, V. (2018). "Neutrophil extracellular traps in immunity and disease." Nature Reviews Immunology **18**(2): 134-147.
Papayannopoulos, V., K. D. Metzler, A. Hakkim and A. Zychlinsky (2010). "Neutrophil elastase and myeloperoxidase regulate the formation of neutrophil extracellular traps." J Cell Biol **191**(3): 677-691.
Park, J., R. W. Wysocki, Z. Amoozgar, L. Maiorino, M. R. Fein, J. Jorns, A. F. Schott, Y. Kinugasa-Katayama, Y. Lee, N. H. Won, E. S. Nakasone, S. A. Hearn, V. Küttner, J. Qiu, A. S. Almeida, N. Perurena, K. Kessenbrock, M. S. Goldberg and M. Egeblad (2016). "Cancer cells induce metastasis-supporting neutrophil extracellular DNA traps." Science translational medicine **8**(361): 361ra138-361ra138.
Park, J., R. W. Wysocki, Z. Amoozgar, L. Maiorino, M. R. Fein, J. Jorns, A. F. Schott, Y. Kinugasa-Katayama, Y. Lee, N. H. Won, E. S. Nakasone, S. A. Hearn, V. Küttner, J. Qiu, A. S. Almeida, N. Perurena, K. Kessenbrock, M. S. Goldberg and M. Egeblad (2016). "Cancer cells induce metastasis-supporting neutrophil extracellular DNA traps." Sci Transl Med **8**(361): 361ra138.
Peng, H.-H., Y.-J. Liu, D. M. Ojcius, C.-M. Lee, R.-H. Chen, P.-R. Huang, J. Martel and J. D. Young (2017). "Mineral particles stimulate innate immunity through neutrophil extracellular traps containing HMGB1." Scientific reports **7**(1): 16628-16628.
Pérez-Cerdá, F., M. V. Sánchez-Gómez and C. Matute (2015). "Pío del Río Hortega and the discovery of the oligodendrocytes." Frontiers in neuroanatomy **9**: 92-92.
Petretto, A., M. Bruschi, F. Pratesi, C. Croia, G. Candiano, G. Ghiggeri and P. Migliorini (2019). "Neutrophil extracellular traps (NET) induced by different stimuli: A comparative proteomic analysis." PLOS ONE **14**(7): e0218946.
Pieterse, E., N. Rother, C. Yanginlar, L. B. Hilbrands and J. van der Vlag (2016). "Neutrophils Discriminate between Lipopolysaccharides of Different Bacterial Sources and Selectively Release Neutrophil Extracellular Traps." Front Immunol **7**: 484.
Pieterse, E., N. Rother, C. Yanginlar, L. B. Hilbrands and J. van der Vlag (2016). "Neutrophils Discriminate between Lipopolysaccharides of Different Bacterial Sources and Selectively Release Neutrophil Extracellular Traps." Frontiers in immunology **7**: 484-484.
Pilsczek, F. H., D. Salina, K. K. H. Poon, C. Fahey, B. G. Yipp, C. D. Sibley, S. M. Robbins, F. H. Y. Green, M. G. Surette, M. Sugai, M. G. Bowden, M. Hussain, K. Zhang and P. Kubes (2010). "A Novel Mechanism of Rapid Nuclear Neutrophil Extracellular Trap Formation in Response to Staphylococcus aureus." The Journal of Immunology **185**(12): 7413.
Pinoli, M. and F. Marino (2017). "Dopaminergic Regulation of Innate Immunity: a Review." **12**(4): 602-623.
Pisetsky, D. S. and A.-M. Fairhurst (2007). "The origin of extracellular DNA during the clearance of dead and dying cells." Autoimmunity **40**(4): 281-284.
Pisetsky, D. S. and N. Jiang (2006). "The generation of extracellular DNA in SLE: the role of death and sex." Scand J Immunol **64**(3): 200-204.
Plant, S. R., H. A. Iocca, Y. Wang, J. C. Thrash, B. P. O'Connor, H. A. Arnett, Y.-X. Fu, M. J. Carson and J. P. Y. Ting (2007). "Lymphotoxin beta receptor (Lt betaR): dual roles in demyelination and remyelination and successful therapeutic intervention using Lt betaR-Ig protein." The Journal of neuroscience : the official journal of the Society for Neuroscience **27**(28): 7429-7437.
Platten, M., A. Kretz, U. Naumann, S. Aulwurm, K. Egashira, S. Isenmann and M. Weller (2003). "Monocyte chemoattractant protein-1 increases microglial infiltration and aggressiveness of gliomas." Ann Neurol **54**(3): 388-392.
Pocock, J. M. and H. Kettenmann (2007). "Neurotransmitter receptors on microglia." Trends in Neurosciences **30**(10): 527-535.
Poli, C., J. F. Augusto, J. Dauvé, C. Adam, L. Preisser, V. Larochette, P. Pignon, A. Savina, S. Blanchard, J. F. Subra, A. Chevailler, V. Procaccio, A. Croué, C. Créminon, A. Morel, Y. Delneste, H. Fickenscher and P. Jeannin (2017). "IL-26 Confers Proinflammatory Properties to Extracellular DNA." The Journal of Immunology **198**(9): 3650.
Pong, W. W., S. B. Higer, S. M. Gianino, R. J. Emnett and D. H. Gutmann (2013). "Reduced microglial CX3CR1 expression delays neurofibromatosis-1 glioma formation." Annals of neurology **73**(2): 303-308.
Pyonteck, S. M., L. Akkari, A. J. Schuhmacher, R. L. Bowman, L. Sevenich, D. F. Quail, O. C. Olson, M. L. Quick, J. T. Huse, V. Teijeiro, M. Setty, C. S. Leslie, Y. Oei, A. Pedraza, J. Zhang, C. W. Brennan, J. C. Sutton,

E. C. Holland, D. Daniel and J. A. Joyce (2013). "CSF-1R inhibition alters macrophage polarization and blocks glioma progression." Nature Medicine **19**(10): 1264-1272.
Qin, C., L.-Q. Zhou, X.-T. Ma, Z.-W. Hu, S. Yang, M. Chen, D. B. Bosco, L.-J. Wu and D.-S. Tian (2019). "Dual Functions of Microglia in Ischemic Stroke." Neuroscience Bulletin **35**(5): 921-933.
Qin, T., C. Wang, X. Chen, C. Duan, X. Zhang, J. Zhang, H. Chai, T. Tang, H. Chen, J. Yue, Y. Li and J. Yang (2015). "Dopamine induces growth inhibition and vascular normalization through reprogramming M2-polarized macrophages in rat C6 glioma." Toxicology and Applied Pharmacology **286**(2): 112-123.
Rane, M. J. and J. B. Klein (2009). "Regulation of neutrophil apoptosis by modulation of PKB/Akt activation." Front Biosci (Landmark Ed) **14**: 2400-2412.
Rayaprolu, S., B. Mullen, M. Baker, T. Lynch, E. Finger, W. W. Seeley, K. J. Hatanpaa, C. Lomen-Hoerth, A. Kertesz, E. H. Bigio, C. Lippa, K. A. Josephs, D. S. Knopman, C. L. White, 3rd, R. Caselli, I. R. Mackenzie, B. L. Miller, M. Boczarska-Jedynak, G. Opala, A. Krygowska-Wajs, M. Barcikowska, S. G. Younkin, R. C. Petersen, N. Ertekin-Taner, R. J. Uitti, J. F. Meschia, K. B. Boylan, B. F. Boeve, N. R. Graff-Radford, Z. K. Wszolek, D. W. Dickson, R. Rademakers and O. A. Ross (2013). "TREM2 in neurodegeneration: evidence for association of the p.R47H variant with frontotemporal dementia and Parkinson's disease." Mol Neurodegener **8**: 19.
Remijsen, Q., T. Vanden Berghe, E. Wirawan, B. Asselbergh, E. Parthoens, R. De Rycke, S. Noppen, M. Delforge, J. Willems and P. Vandenabeele (2011). "Neutrophil extracellular trap cell death requires both autophagy and superoxide generation." Cell Res **21**(2): 290-304.
Renton, A. E., A. Chiò and B. J. Traynor (2014). "State of play in amyotrophic lateral sclerosis genetics." Nature Neuroscience **17**(1): 17-23.
Robledo-Avila, F. H., J. d. D. Ruiz-Rosado, K. L. Brockman, B. T. Kopp, A. O. Amer, K. McCoy, L. O. Bakaletz and S. Partida-Sanchez (2018). "Dysregulated Calcium Homeostasis in Cystic Fibrosis Neutrophils Leads to Deficient Antimicrobial Responses." The Journal of Immunology **201**(7): 2016.
Rohrbach, A. S., S. Hemmers, S. Arandjelovic, M. Corr and K. A. Mowen (2012). "PAD4 is not essential for disease in the K/BxN murine autoantibody-mediated model of arthritis." Arthritis Research & Therapy **14**(3): R104.
Rossi, M. L., J. T. Hughes, M. M. Esiri, H. B. Coakham and D. B. Brownell (1987). "Immunohistological study of mononuclear cell infiltrate in malignant gliomas." Acta Neuropathol **74**(3): 269-277.
Rustenhoven, J., T. I. H. Park, P. Schweder, J. Scotter, J. Correia, A. M. Smith, H. M. Gibbons, R. L. Oldfield, P. S. Bergin, E. W. Mee, R. L. M. Faull, M. A. Curtis, E. Scott Graham and M. Dragunow (2016). "Isolation of highly enriched primary human microglia for functional studies." Scientific Reports **6**(1): 19371.
Rustenhoven, J., A. M. Smith, L. C. Smyth, D. Jansson, E. L. Scotter, M. E. V. Swanson, M. Aalderink, N. Coppieters, P. Narayan, R. Handley, C. Overall, T. I. H. Park, P. Schweder, P. Heppner, M. A. Curtis, R. L. M. Faull and M. Dragunow (2018). "PU.1 regulates Alzheimer's disease-associated genes in primary human microglia." Molecular Neurodegeneration **13**(1): 44.
Saederup, N., A. E. Cardona, K. Croft, M. Mizutani, A. C. Cotleur, C. L. Tsou, R. M. Ransohoff and I. F. Charo (2010). "Selective chemokine receptor usage by central nervous system myeloid cells in CCR2-red fluorescent protein knock-in mice." PLoS One **5**(10): e13693.
Saffarzadeh, M., C. Juenemann, M. A. Queisser, G. Lochnit, G. Barreto, S. P. Galuska, J. Lohmeyer and K. T. Preissner (2012). "Neutrophil Extracellular Traps Directly Induce Epithelial and Endothelial Cell Death: A Predominant Role of Histones." PLoS ONE **7**(2): e32366.
Saha, B., A. C. Mondal, S. Basu and P. S. Dasgupta (2001). "Circulating dopamine level, in lung carcinoma patients, inhibits proliferation and cytotoxicity of CD4+ and CD8+ T cells by D1 dopamine receptors: an in vitro analysis." Int Immunopharmacol **1**(7): 1363-1374.
Saha, B., A. C. Mondal, J. Majumder, S. Basu and P. S. Dasgupta (2001). "Physiological Concentrations of Dopamine Inhibit the Proliferation and Cytotoxicity of Human CD4+ and CD8+ T Cells in vitro: A Receptor-Mediated Mechanism." Neuroimmunomodulation **9**(1): 23-33.
Saitoh, T., J. Komano, Y. Saitoh, T. Misawa, M. Takahama, T. Kozaki, T. Uehata, H. Iwasaki, H. Omori, S. Yamaoka, N. Yamamoto and S. Akira (2012). "Neutrophil Extracellular Traps Mediate a Host Defense Response to Human Immunodeficiency Virus-1." Cell Host & Microbe **12**(1): 109-116.
Salter, M. W. and B. Stevens (2017). "Microglia emerge as central players in brain disease." Nature Medicine **23**(9): 1018-1027.

Savchenko, A. S., J. I. Borissoff, K. Martinod, S. F. De Meyer, M. Gallant, L. Erpenbeck, A. Brill, Y. Wang and D. D. Wagner (2014). "VWF-mediated leukocyte recruitment with chromatin decondensation by PAD4 increases myocardial ischemia/reperfusion injury in mice." Blood **123**(1): 141-148.
Schauer, C., C. Janko, L. E. Munoz, Y. Zhao, D. Kienhöfer, B. Frey, M. Lell, B. Manger, J. Rech, E. Naschberger, R. Holmdahl, V. Krenn, T. Harrer, I. Jeremic, R. Bilyy, G. Schett, M. Hoffmann and M. Herrmann (2014). "Aggregated neutrophil extracellular traps limit inflammation by degrading cytokines and chemokines." Nat Med **20**(5): 511-517.
Scheb-Wetzel, M., M. Rohde, A. Bravo and O. Goldmann (2014). "New insights into the antimicrobial effect of mast cells against Enterococcus faecalis." Infection and immunity **82**(11): 4496-4507.
Schiffer, D., L. Annovazzi, C. Casalone, C. Corona and M. Mellai (2018). "Glioblastoma: Microenvironment and Niche Concept." Cancers **11**(1): 5.
Schneider, C. A., W. S. Rasband and K. W. Eliceiri (2012). "NIH Image to ImageJ: 25 years of image analysis." Nature methods **9**(7): 671-675.
Schölwer, I., P. Habib, C. Voelz, L. Rolfes, C. Beyer and A. Slowik (2020). "NLRP3 Depletion Fails to Mitigate Inflammation but Restores Diminished Phagocytosis in BV-2 Cells After In Vitro Hypoxia." Molecular Neurobiology **57**(6): 2588-2599.
Schorn, C., C. Janko, M. Latzko, R. Chaurio, G. Schett and M. Herrmann (2012). "Monosodium urate crystals induce extracellular DNA traps in neutrophils, eosinophils, and basophils but not in mononuclear cells." Frontiers in immunology **3**: 277-277.
Schorn, C., C. Janko, M. Latzko, R. Chaurio, G. Schett and M. Herrmann (2012). "Monosodium urate crystals induce extracellular DNA traps in neutrophils, eosinophils, and basophils but not in mononuclear cells." Frontiers in Immunology **3**(277).
Scieszka, D., Y.-H. Lin, W. Li, S. Choudhury, Y. Yu and M. Freire (2020). "Netome: The Molecular Characterization of Neutrophil Extracellular Traps (NETs)." bioRxiv: 2020.2005.2018.102772.
Sharma, N. and S. Jha (2016). "NLR-regulated pathways in cancer: opportunities and obstacles for therapeutic interventions." Cellular and Molecular Life Sciences **73**(9): 1741-1764.
Shen, F., X. Tang, W. Cheng, Y. Wang, C. Wang, X. Shi, Y. An, Q. Zhang, M. Liu, B. Liu and L. Yu (2016). "Fosfomycin enhances phagocyte-mediated killing of Staphylococcus aureus by extracellular traps and reactive oxygen species." Scientific Reports **6**: 19262.
Sierra, A., A. C. Gottfried-Blackmore, B. S. McEwen and K. Bulloch (2007). "Microglia derived from aging mice exhibit an altered inflammatory profile." Glia **55**(4): 412-424.
Simmons, G. W., W. W. Pong, R. J. Emnett, C. R. White, S. M. Gianino, F. J. Rodriguez and D. H. Gutmann (2011). "Neurofibromatosis-1 heterozygosity increases microglia in a spatially and temporally restricted pattern relevant to mouse optic glioma formation and growth." Journal of neuropathology and experimental neurology **70**(1): 51-62.
Simon, D., S. Hoesli, N. Roth, S. Staedler, S. Yousefi and H.-U. Simon (2011). "Eosinophil extracellular DNA traps in skin diseases." Journal of Allergy and Clinical Immunology **127**(1): 194-199.
Simon, D., S. Radonjic-Hösli, A. Straumann, S. Yousefi and H. U. Simon (2015). "Active eosinophilic esophagitis is characterized by epithelial barrier defects and eosinophil extracellular trap formation." Allergy **70**(4): 443-452.
Smith, A. M. and M. Dragunow (2014). "The human side of microglia." Trends in Neurosciences **37**(3): 125-135.
Söderberg, D. and M. Segelmark (2016). "Neutrophil Extracellular Traps in ANCA-Associated Vasculitis." Front Immunol **7**: 256.
Sookhai, S., J. H. Wang, M. McCourt, D. O'Connell and H. P. Redmond (1999). "Dopamine induces neutrophil apoptosis through a dopamine D-1 receptor-independent mechanism." Surgery **126**(2): 314-322.
Sørensen, M. D. and R. H. Dahlrot (2018). "Tumour-associated microglia/macrophages predict poor prognosis in high-grade gliomas and correlate with an aggressive tumour subtype." **44**(2): 185-206.
Spaethling, J. M., Y.-J. Na, J. Lee, A. V. Ulyanova, G. H. Baltuch, T. J. Bell, S. Brem, H. I. Chen, H. Dueck, S. A. Fisher, M. P. Garcia, M. Khaladkar, D. K. Kung, T. H. Lucas, Jr., D. M. O'Rourke, D. Stefanik, J. Wang, J. A. Wolf, T. Bartfai, M. S. Grady, J.-Y. Sul, J. Kim and J. H. Eberwine (2017). "Primary Cell Culture of Live Neurosurgically Resected Aged Adult Human Brain Cells and Single Cell Transcriptomics." Cell reports **18**(3): 791-803.

Stojkov, D., P. Amini, K. Oberson, C. Sokollik, A. Duppenthaler, H.-U. Simon and S. Yousefi (2017). "ROS and glutathionylation balance cytoskeletal dynamics in neutrophil extracellular trap formation." The Journal of Cell Biology **216**(12): 4073.
Strell, C., A. Sievers, P. Bastian, K. Lang, B. Niggemann, K. S. Zänker and F. Entschladen (2009). "Divergent effects of norepinephrine, dopamine and substance P on the activation, differentiation and effector functions of human cytotoxic T lymphocytes." BMC Immunol **10**: 62.
Suárez-Calvet, M., G. Kleinberger, M. Araque Caballero, M. Brendel, A. Rominger, D. Alcolea, J. Fortea, A. Lleó, R. Blesa, J. D. Gispert, R. Sánchez-Valle, A. Antonell, L. Rami, J. L. Molinuevo, F. Brosseron, A. Traschütz, M. T. Heneka, H. Struyfs, S. Engelborghs, K. Sleegers, C. Van Broeckhoven, H. Zetterberg, B. Nellgård, K. Blennow, A. Crispin, M. Ewers and C. Haass (2016). "sTREM2 cerebrospinal fluid levels are a potential biomarker for microglia activity in early-stage Alzheimer's disease and associate with neuronal injury markers." EMBO Mol Med **8**(5): 466-476.
Szulzewsky, F., A. Pelz, X. Feng, M. Synowitz, D. Markovic, T. Langmann, I. R. Holtman, X. Wang, B. J. L. Eggen, H. W. G. M. Boddeke, D. Hambardzumyan, S. A. Wolf and H. Kettenmann (2015). "Glioma-Associated Microglia/Macrophages Display an Expression Profile Different from M1 and M2 Polarization and Highly Express Gpnmb and Spp1." PLOS ONE **10**(2): e0116644.
Tohme, S., H. O. Yazdani, A. B. Al-Khafaji, A. P. Chidi, P. Loughran, K. Mowen, Y. Wang, R. L. Simmons, H. Huang and A. Tsung (2016). "Neutrophil Extracellular Traps Promote the Development and Progression of Liver Metastases after Surgical Stress." Cancer research **76**(6): 1367-1380.
Tremblay, M.-E., M. R. Cookson and L. Civiero (2019). "Glial phagocytic clearance in Parkinson's disease." Molecular Neurodegeneration **14**(1): 16.
Trouplin, V., N. Boucherit, L. Gorvel, F. Conti, G. Mottola and E. Ghigo (2013). "Bone marrow-derived macrophage production." Journal of visualized experiments : JoVE(81): e50966-e50966.
Ueki, S., R. C. N. Melo, I. Ghiran, L. A. Spencer, A. M. Dvorak and P. F. Weller (2013). "Eosinophil extracellular DNA trap cell death mediates lytic release of free secretion-competent eosinophil granules in humans." Blood **121**(11): 2074-2083.
Urban, C. F., U. Reichard, V. Brinkmann and A. Zychlinsky (2006). "Neutrophil extracellular traps capture and kill Candida albicans yeast and hyphal forms." Cellular Microbiology **8**(4): 668-676.
Vaibhav, K., M. Braun, K. Alverson, H. Khodadadi, A. Kutiyanawalla, A. Ward, C. Banerjee, T. Sparks, A. Malik, M. H. Rashid, M. B. Khan, M. F. Waters, D. C. Hess, A. S. Arbab, J. R. Vender, N. Hoda, B. Baban and K. M. Dhandapani (2020). "Neutrophil extracellular traps exacerbate neurological deficits after traumatic brain injury." Science Advances **6**(22): eaax8847.
Villanueva, E., S. Yalavarthi, C. C. Berthier, J. B. Hodgin, R. Khandpur, A. M. Lin, C. J. Rubin, W. Zhao, S. H. Olsen, M. Klinker, D. Shealy, M. F. Denny, J. Plumas, L. Chaperot, M. Kretzler, A. T. Bruce and M. J. Kaplan (2011). "Netting neutrophils induce endothelial damage, infiltrate tissues and expose immunostimulatory molecules in systemic lupus erythematosus." Journal of immunology (Baltimore, Md. : 1950) **187**(1): 538-552.
Villanueva, E., S. Yalavarthi, C. C. Berthier, J. B. Hodgin, R. Khandpur, A. M. Lin, C. J. Rubin, W. Zhao, S. H. Olsen, M. Klinker, D. Shealy, M. F. Denny, J. Plumas, L. Chaperot, M. Kretzler, A. T. Bruce and M. J. Kaplan (2011). "Netting neutrophils induce endothelial damage, infiltrate tissues, and expose immunostimulatory molecules in systemic lupus erythematosus." Journal of immunology (Baltimore, Md. : 1950) **187**(1): 538-552.
Voet, S., M. Prinz and G. van Loo (2019). "Microglia in Central Nervous System Inflammation and Multiple Sclerosis Pathology." Trends in Molecular Medicine **25**(2): 112-123.
von Köckritz-Blickwede, M., O. Goldmann, P. Thulin, K. Heinemann, A. Norrby-Teglund, M. Rohde and E. Medina (2008). "Phagocytosis-independent antimicrobial activity of mast cells by means of extracellular trap formation." Blood **111**(6): 3070-3080.
Wallmann, T., X.-M. Zhang, M. Wallerius, S. Bolin, A.-L. Joly, C. Sobocki, L. Leiss, Y. Jiang, J. Bergh, E. C. Holland, P. Ø. Enger, J. Andersson, F. J. Swartling, H. Miletic, L. Uhrbom, R. A. Harris and C. Rolny (2018). "Microglia Induce PDGFRB Expression in Glioma Cells to Enhance Their Migratory Capacity." iScience **9**: 71-83.
Wang, C., Y. Wang, X. Shi, X. Tang, W. Cheng, X. Wang, Y. An, S. Li, H. Xu, Y. Li, W. Luan, X. Wang, Z. Chen, M. Liu and L. Yu (2019). "The TRAPs From Microglial Vesicles Protect Against Listeria Infection in the CNS." Frontiers in cellular neuroscience **13**: 199-199.

Wang, C., Y. Wang, X. Shi, X. Tang, W. Cheng, X. Wang, Y. An, S. Li, H. Xu, Y. Li, W. Luan, X. Wang, Z. Chen, M. Liu and L. Yu (2019). "The TRAPs From Microglial Vesicles Protect Against Listeria Infection in the CNS." Frontiers in Cellular Neuroscience **13**(199).
Wang, S. C., J. H. Hong, C. Hsueh and C. S. Chiang (2012). "Tumor-secreted SDF-1 promotes glioma invasiveness and TAM tropism toward hypoxia in a murine astrocytoma model." Lab Invest **92**(1): 151-162.
Warnatsch, A., M. Ioannou, Q. Wang and V. Papayannopoulos (2015). "Neutrophil extracellular traps license macrophages for cytokine production in atherosclerosis." Science **349**(6245): 316.
Warrington, N. M., S. M. Gianino, E. Jackson, P. Goldhoff, J. R. Garbow, D. Piwnica-Worms, D. H. Gutmann and J. B. Rubin (2010). "Cyclic AMP suppression is sufficient to induce gliomagenesis in a mouse model of neurofibromatosis-1." Cancer Res **70**(14): 5717-5727.
Warrington, N. M., B. M. Woerner, G. C. Daginakatte, B. Dasgupta, A. Perry, D. H. Gutmann and J. B. Rubin (2007). "Spatiotemporal differences in CXCL12 expression and cyclic AMP underlie the unique pattern of optic glioma growth in neurofibromatosis type 1." Cancer Res **67**(18): 8588-8595.
Webster, S. J., M. Daigneault, M. A. Bewley, J. A. Preston, H. M. Marriott, S. R. Walmsley, R. C. Read, M. K. B. Whyte and D. H. Dockrell (2010). "Distinct cell death programs in monocytes regulate innate responses following challenge with common causes of invasive bacterial disease." Journal of immunology (Baltimore, Md. : 1950) **185**(5): 2968-2979.
Wegner, N., K. Lundberg, A. Kinloch, B. Fisher, V. Malmström, M. Feldmann and P. J. Venables (2010). "Autoimmunity to specific citrullinated proteins gives the first clues to the etiology of rheumatoid arthritis." Immunol Rev **233**(1): 34-54.
Wei, J., K. Gabrusiewicz and A. Heimberger (2013). "The Controversial Role of Microglia in Malignant Gliomas." Clinical and Developmental Immunology **2013**: 285246.
Weissenrieder, J. S., J. L. Reed, M. V. Green, G. L. Moldovan, E. J. Koubek, J. D. Neighbors and R. J. Hohl (2019). "The Dopamine D2 Receptor Contributes to the Spheroid Formation Behavior of U87 Glioblastoma Cells." Pharmacology.
Weissenrieder, J. S., J. L. Reed, M. V. Green, G. L. Moldovan, E. J. Koubek, J. D. Neighbors and R. J. Hohl (2020). "The Dopamine D2 Receptor Contributes to the Spheroid Formation Behavior of U87 Glioblastoma Cells." Pharmacology **105**(1-2): 19-27.
Wipke, B. T. and P. M. Allen (2001). "Essential Role of Neutrophils in the Initiation and Progression of a Murine Model of Rheumatoid Arthritis." The Journal of Immunology **167**(3): 1601.
Wong, K.-W. and W. R. Jacobs (2013). "Mycobacterium tuberculosis Exploits Human Interferon γ to Stimulate Macrophage Extracellular Trap Formation and Necrosis." The Journal of Infectious Diseases **208**(1): 109-119.
Wong, S. L., M. Demers, K. Martinod, M. Gallant, Y. Wang, A. B. Goldfine, C. R. Kahn and D. D. Wagner (2015). "Diabetes primes neutrophils to undergo NETosis, which impairs wound healing." Nature medicine **21**(7): 815-819.
Wright, H. L., F. A. Makki, R. J. Moots and S. W. Edwards (2017). "Low-density granulocytes: functionally distinct, immature neutrophils in rheumatoid arthritis with altered properties and defective TNF signalling." J Leukoc Biol **101**(2): 599-611.
Wright, T. K., P. G. Gibson, J. L. Simpson, V. M. McDonald, L. G. Wood and K. J. Baines (2016). "Neutrophil extracellular traps are associated with inflammation in chronic airway disease." Respirology **21**(3): 467-475.
Xu, F., C. Zhang, Z. Zou, E. K. Y. Fan, L. Chen, Y. Li, T. R. Billiar, M. A. Wilson, X. Shi and J. Fan (2017). "Aging-related Atg5 defect impairs neutrophil extracellular traps formation." Immunology **151**(4): 417-432.
Yan, Y., W. Jiang, L. Liu, X. Wang, C. Ding, Z. Tian and R. Zhou (2015). "Dopamine controls systemic inflammation through inhibition of NLRP3 inflammasome." Cell **160**(1-2): 62-73.
Yan, Y., W. Jiang, L. Liu, X. Wang, C. Ding, Z. Tian and R. Zhou (2015). "Dopamine Controls Systemic Inflammation through Inhibition of NLRP3 Inflammasome." Cell **160**(1): 62-73.
Yazdani, H. O., E. Roy, A. J. Comerci, D. J. van der Windt, H. Zhang, H. Huang, P. Loughran, S. Shiva, D. A. Geller, D. L. Bartlett, A. Tsung, T. Sheng, R. L. Simmons and S. Tohme (2019). "Neutrophil Extracellular Traps Drive Mitochondrial Homeostasis in Tumors to Augment Growth." Cancer Research **79**(21): 5626.

Yeh, F. L., Y. Wang, I. Tom, L. C. Gonzalez and M. Sheng (2016). "TREM2 Binds to Apolipoproteins, Including APOE and CLU/APOJ, and Thereby Facilitates Uptake of Amyloid-Beta by Microglia." Neuron **91**(2): 328-340.
Yipp, B. G. and P. Kubes (2013). "NETosis: how vital is it?" Blood **122**(16): 2784-2794.
Yipp, B. G., B. Petri, D. Salina, C. N. Jenne, B. N. V. Scott, L. D. Zbytnuik, K. Pittman, M. Asaduzzaman, K. Wu, H. C. Meijndert, S. E. Malawista, A. de Boisfleury Chevance, K. Zhang, J. Conly and P. Kubes (2012). "Infection-induced NETosis is a dynamic process involving neutrophil multitasking in vivo." Nature Medicine **18**: 1386.
Yoo, D.-g., M. Floyd, M. Winn, S. M. Moskowitz and B. Rada (2014). "NET formation induced by Pseudomonas aeruginosa cystic fibrosis isolates measured as release of myeloperoxidase–DNA and neutrophil elastase–DNA complexes." Immunology Letters **160**(2): 186-194.
Yoshioka, Y., Y. Sugino, A. Tozawa, A. Yamamuro, A. Kasai, Y. Ishimaru and S. Maeda (2016). "Dopamine inhibits lipopolysaccharide-induced nitric oxide production through the formation of dopamine quinone in murine microglia BV-2 cells." Journal of Pharmacological Sciences **130**(2): 51-59.
Yousefi, S., J. A. Gold, N. Andina, J. J. Lee, A. M. Kelly, E. Kozlowski, I. Schmid, A. Straumann, J. Reichenbach, G. J. Gleich and H.-U. Simon (2008). "Catapult-like release of mitochondrial DNA by eosinophils contributes to antibacterial defense." Nature Medicine **14**(9): 949-953.
Yousefi, S., J. A. Gold, N. Andina, J. J. Lee, A. M. Kelly, E. Kozlowski, I. Schmid, A. Straumann, J. Reichenbach, G. J. Gleich and H.-U. Simon (2008). "Catapult-like release of mitochondrial DNA by eosinophils contributes to antibacterial defense." Nature Medicine **14**: 949.
Yousefi, S., C. Mihalache, E. Kozlowski, I. Schmid and H. U. Simon (2009). "Viable neutrophils release mitochondrial DNA to form neutrophil extracellular traps." Cell Death Differ **16**(11): 1438-1444.
Yousefi, S., M. Morshed, P. Amini, D. Stojkov, D. Simon, S. von Gunten, T. Kaufmann and H. U. Simon (2015). "Basophils exhibit antibacterial activity through extracellular trap formation." Allergy **70**(9): 1184-1188.
Yousefi, S., D. Stojkov, N. Germic, D. Simon, X. Wang, C. Benarafa and H.-U. Simon (2019). "Untangling "NETosis" from NETs." European Journal of Immunology **49**(2): 221-227.
Yu, J. R. and K. S. Leslie (2011). "Cryopyrin-associated periodic syndrome: an update on diagnosis and treatment response." Current allergy and asthma reports **11**(1): 12-20.
Yu, Y. and K. Su (2013). "Neutrophil Extracellular Traps and Systemic Lupus Erythematosus." Journal of clinical & cellular immunology **4**: 139.
Zeiner, P. S., C. Preusse, A.-E. Blank, C. Zachskorn, P. Baumgarten, L. Caspary, A. K. Braczynski, J. Weissenberger, H. Bratzke, S. Reiß, S. Pennartz, R. Winkelmann, C. Senft, K. H. Plate, J. Wischhusen, W. Stenzel, P. N. Harter and M. Mittelbronn (2015). "MIF Receptor CD74 is Restricted to Microglia/Macrophages, Associated with a M1-Polarized Immune Milieu and Prolonged Patient Survival in Gliomas." Brain Pathology **25**(4): 491-504.
Zeiner, P. S., C. Preusse, A. Golebiewska, J. Zinke, A. Iriondo, A. Muller, T. Kaoma, K. Filipski, M. Müller-Eschner, S. Bernatz, A.-E. Blank, P. Baumgarten, E. Ilina, A. Grote, M. L. Hansmann, M. A. Verhoff, K. Franz, F. Feuerhake, J. P. Steinbach, J. Wischhusen, W. Stenzel, S. P. Niclou, P. N. Harter and M. Mittelbronn (2019). "Distribution and prognostic impact of microglia/macrophage subpopulations in gliomas." Brain pathology (Zurich, Switzerland) **29**(4): 513-529.
Zenaro, E., E. Pietronigro, V. Della Bianca, G. Piacentino, L. Marongiu, S. Budui, E. Turano, B. Rossi, S. Angiari, S. Dusi, A. Montresor, T. Carlucci, S. Nanì, G. Tosadori, L. Calciano, D. Catalucci, G. Berton, B. Bonetti and G. Constantin (2015). "Neutrophils promote Alzheimer's disease-like pathology and cognitive decline via LFA-1 integrin." Nat Med **21**(8): 880-886.