

The BSRC Fleming Flow Cytometry and Cell Sorting Facility, the InfrafrontierGR/Phenotypos Infrastructure, as well as the Facility Staff involved, should be acknowledged in any publication that presents data obtained using the facility equipment.

1. Galaris A, Fanidis D, Stylianaki EA, Harokopos V, Kalantzi AS, Moulos P, Dimas AS, Hatzis P, Aidinis V. Obesity Reshapes the Microbial Population Structure along the Gut-Liver-Lung Axis in Mice. **Biomedicines**. 2022 Feb 19;10(2):494.
2. Gargani S, Lourou N, Arapatzis C, Tzanos D, Saridaki M, Dushku E, Chatzimike M, Sidiropoulos ND, Andreadou M, Ntafis V, Hatzis P, Kostourou V, Kontoyiannis DL. Inactivation of AUF1 in Myeloid Cells Protects From Allergic Airway and Tumor Infiltration and Impairs the Adenosine-Induced Polarization of Pro- Angiogenic Macrophages. **Front Immunol**. 2022 Feb 11;13
3. Keridani D, Aerakis E, Verrou KM, Angelidis I, Douka K, Maniou MA, Stamoulis P, Goudevenou K, Prados A, Tzaferis C, Ntafis V, Vamvakaris I, Kaniaris E, Vachlas K, Sepsas E, Koutsopoulos A, Potaris K, Tsoumakidou M. Lung tumor MHCII immunity depends on in situ antigen presentation by fibroblasts. **J Exp Med**. 2022 Feb 7;219(2)
4. Melissari MT, Henriques A, Tzaferis C, Prados A, Sarris ME, Chalkidi N, Mavroeidi D, Chouvardas P, **Grammenoudi S**, Kollias G, Koliaraki V. Col6a1<sup>+</sup>/CD201<sup>+</sup> mesenchymal cells regulate intestinal morphogenesis and homeostasis. **Cell Mol Life Sci**. 2021 Dec 15;79(1):1
5. Voutyraki C, Choromidis A, Theodorou V, Efrahimoglou C, Anagnostopoulos G, Magadi SS, **Grammenoudi S**, Zacharioudaki E, Delidakis C. Repression of differentiation genes by Hes transcription factors fuels neural tumour growth in Drosophila. **Int J Dev Biol**. 2021 Nov 22.
6. Subramanian P, Gargani S, Palladini A, Chatzimike M, Grzybek M, Peitzsch M, Papanastasiou AD, Pyrina I, Ntafis V, Gercken B, Lesche M, Petzold A, Sinha A, Nati M, Thangapandi VR, Kourtzelis I, Andreadou M, Witt A, Dahl A, Burkhardt R, Haase R, Domingues AMJ, Henry I, Zamboni N, Mirtschink P, Chung KJ, Hampe J, Coskun Ü, Kontoyiannis DL, Chavakis T. The RNA binding protein HuR is a gatekeeper of liver homeostasis. **Hepatology**. 2021 Sep 14.
7. Birladeanu AM, Rogalska M, Potiri M, Papadaki V, Andreadou M, Kontoyiannis DL, Lewis JD, Erpapazoglou Z, Kafasla P. The scaffold protein IQGAP1 links heat-induced stress signals to alternative splicing regulation in gastric cancer cells. **Oncogene**. 2021 Jul 23.
8. Nanou A, Bourbouli M, Vetrano S, Schaeper U, Ley S, Kollias G. Endothelial Tpl2 regulates vascular barrier function via JNK-mediated degradation of claudin-5 promoting neuroinflammation or tumor metastasis. **Cell Rep**. 2021 May 25;35(8)
9. Prados A, Onder L, Cheng HW, Mörbe U, Lütge M, Gil-Cruz C, Perez-

- Shibayama C, Koliaraki V, Ludewig B, Kollias G. Fibroblastic reticular cell lineage convergence in Peyer's patches governs intestinal immunity. **Nat Immunol.** **2021** Apr;22(4):510-519.
10. Stefos GC, Szantai E, Konstantopoulos D, Samiotaki M, Fousteri M. aniFOUND: analysing the associated proteome and genomic landscape of the repaired nascent non-replicative chromatin. **Nucleic Acids Res.** **2021** Mar 8.
11. Gioulbasani M, Galaras A, **Grammenoudi S**, Moulos P, Dent A, Sigvardsson M, Hatzis P, Kee BL\*, Verykokakis M\*. The transcription factor BCL6 controls early development of innate-like T cells. **Nat Immunol.** **2020** Sep;21(9):1058-1069
12. Kerdidani D, Chouvardas P, Arjo AR, Giopanou I, Ntaliarda G, Guo YA, Tsikitis M, Kazamias G, Potaris K, Stathopoulos GT, Zakynthinos S, Kalomenidis I, Soumelis V, Kollias G, Tsoumakidou M. Wnt1 silences chemokine genes in dendritic cells and induces adaptive immune resistance in lung adenocarcinoma. **Nat Commun.** **2019** Mar 29;10(1):1405
13. Vasiliki Koliaraki, Niki Chalkidi, Ana Henriques, Christos Tzaferis, Apostolos Polykratis, Ari Waisman, Werner Muller, David J. Hackam, Manolis Pasparakis, George Kollias. Innate Sensing through Mesenchymal TLR4/MyD88 Signals Promotes Spontaneous Intestinal Tumorigenesis **Cell Rep.** **2019** Jan 15; 26(3): 536–545.e4.
14. Christodoulou-Vafeiadou E, Ioakeimidis F, Andreadou M, Giagkas G, Stamatakis G, Reczko M, Samiotaki M, Papanastasiou AD, Karakasiliotis I, Kontoyiannis DL. Divergent Innate and Epithelial Functions of the RNA-Binding Protein HuR in Intestinal Inflammation. **Front Immunol.** **2018** Nov 23; 9:2732.
15. Henriques A, Koliaraki V, Kollias G. Mesenchymal MAPKAPK2/HSP27 drives intestinal carcinogenesis. **Proc Natl Acad Sci U S A.** **2018** Jun 12;115
16. Sakkou M, Chouvardas P, Ntari L, Prados A, Moreth K, Fuchs H, Gailus-Durner V, Hrabe de Angelis M, Denis MC, Karagianni N, Kollias G. Mesenchymal TNFR2 promotes the development of polyarthritis and comorbid heart valve stenosis. **JCI Insight.** **2018** Apr 5;3(7).
17. Giakountis A, Moulos P, Zarkou V, Oikonomou C, Harokopos V, Hatzigeorgiou AG, Reczko M, Hatzis P. A Positive Regulatory Loop between a Wnt-Regulated Non-coding RNA and ASCL2 Controls Intestinal Stem Cell Fate. **Cell Rep.** **2016** Jun 21;15(12):2588-96.
18. Koliaraki V, Pasparakis M, Kollias G. IKK $\beta$  in intestinal mesenchymal cells promotes initiation of colitis-associated cancer. **J Exp Med.** **2015** Dec 14;212(13):2235-51.
19. Skliris A, Papadaki O, Kafasla P, Karakasiliotis I, Hazapis O, Reczko M, **Grammenoudi S**, Bauer J, Kontoyiannis DL. Neuroprotection requires the functions of the RNA-binding protein HuR. **Cell Death Differ.** **2014** Oct 10.
20. Koliaraki V, Roulis M, Kollias G. Tpl2 regulates intestinal myofibroblast HGF release to suppress colitis-associated tumorigenesis. **J Clin Invest.** **2012** Nov;122(11)

21. Eftychi C, Karagianni N, Alexiou M, Apostolaki M, Kollias G. Myeloid TAK1 acts as a negative regulator of the LPS response and mediates resistance to endotoxemia. **PLoS One.** 2012;7(2)
22. Yiakouvaki A, Dimitriou M, Karakasiliotis I, Eftychi C, Theocharis S, Kontoyiannis DL. Myeloid cell expression of the RNA-binding protein HuR protects mice from pathologic inflammation and colorectal carcinogenesis. **J Clin Invest.** 2012 Jan;122(1)
23. Valero T, Moschopoulou G, Mayor-Lopez L, Kintzios S. Moderate superoxide production is an early promoter of mitochondrial biogenesis in differentiating N2a neuroblastoma cells. **Neurochem Int.** 2012 Dec;61(8):1333-43.
24. Tsagaratou A, **Grammenoudi S**, Mosialos G. Differential requirement of IKK2 for CYLD-dependent representation of thymic and peripheral T-cell populations. **Eur J Immunol.** 2011 Oct;41(10):3054-62
25. Tsagaratou A, Kontoyiannis DL, Mosialos G. Truncation of the deubiquitinating domain of CYLD in myelomonocytic cells attenuates inflammatory responses. **PLoS One.** 2011 Jan 20;6(1)
26. Tsagaratou A, Trompouki E, **Grammenoudi S**, Kontoyiannis DL, Mosialos G. Thymocyte specific truncation of the deubiquitinating domain of CYLD impairs positive selection in a NFkB essential modulator-dependent manner. **J Immunol.** 2010 Aug 15;185(4):2032-43.
27. Kontaki H, Talianidis I. Lysine methylation regulates E2F1-induced cell death. **Mol Cell.** 2010 Jul 9;39(1):152-60.
28. Papadaki O, Milatos S, **Grammenoudi S**, Mukherjee N, Keene JD, Kontoyiannis DL. Control of thymic T cell maturation, deletion and egress by the RNA-binding protein HuR. **J Immunol.** 2009 Jun 1;182(11):6779-88.