

Michalis Agathocleous

(001) 214 648 5292

michail.agathokleous@utsouthwestern.edu

Employment

12/2017- **Assistant Professor**, Children's Medical Center Research Institute and Department of Pediatrics, UT Southwestern.

01/2012-12/2017. **Assistant Instructor/Postdoctoral Fellow** in the laboratory of Professor Sean Morrison, Children's Medical Center Research Institute, UT Southwestern.

07/2007-12/2011. **Research Fellow** in the laboratory of Professor William Harris, University of Cambridge.

Education

07/2007 **Ph.D. University of Cambridge**. Supervisor: Professor William Harris.

07/2003 **B.A. University of Cambridge**, First Class Honours.

Publications

Agathocleous M, Meacham CE, Burgess RJ, Piskounova E, Zhao Z, Crane GM, Cowin BL, Bruner E, Murphy MM, Chen W, Spangrude GJ, Hu Z, DeBerardinis RJ, Morrison SJ: **Ascorbate regulates haematopoietic stem cell function and leukaemogenesis**, *Nature* 549:476 (2017).

Piskounova E, Agathocleous M, Murphy MM, Hu Z, Huddlestun SE, Zhao Z, Leitch AM, Johnson TM, DeBerardinis RJ, Morrison SJ: **Oxidative stress inhibits distant metastasis by human melanoma cells**, *Nature* 527:186 (2015).

Burgess RJ*, Agathocleous M*, Morrison SJ: **Metabolic regulation of stem cell self-renewal and differentiation**, *J Internal Medicine* 276:12 (2014) *equal contribution.

Love NK, Keshavan N, Lewis R, Harris WA, Agathocleous M: **A nutrient-sensitive restriction point is active during retinal progenitor cell differentiation**, *Development* 141:697 (2014).

Agathocleous M*, Harris WA: **Metabolism in physiological cell proliferation and differentiation**, *Trends in Cell Biology* 23:484 (2013) *corresponding author.

Agathocleous M, Love NK, Randlett O, Harris JJ, Liu J, Murray AJ, Harris WA: **Metabolic differentiation in the embryonic retina**, *Nature Cell Biology* 14:859 (2012).

Agathocleous M, Iordanova I, Willardsen MI, Xue XY, Vetter ML, Harris WA, Moore KB: **A directional Wnt- β -catenin-Sox2-proneural pathway regulates the transition from proliferation to differentiation in the *Xenopus* retina**, *Development* 136:3289 (2009).

Agathocleous M, Harris WA: **From progenitors to differentiated cells in the vertebrate retina**, *Annu. Rev. Cell Dev. Biol.* 25:45 (2009).

Agathocleous M, Locker M, Harris WA, Perron M: **A general role of Hedgehog in the regulation of proliferation**, *Cell Cycle* 6:156 (2007).

Agathocleous M, Harris WA: **Cell determination** (book chapter) in *Retinal Development*, Cambridge University Press (2006).

Locker M*, Agathocleous M*, Amato M, Parain K, Harris WA, Perron M: **Hedgehog signaling and the retina: insights into the mechanisms controlling the proliferative properties of neural precursors**, *Genes and Development* 20:3036 (2006) *equal contribution.

Fellowships and Awards

2017- Cancer Prevention Research Institute of Texas, Recruitment of new faculty award.

2011-14 Research Fellowship, Royal Commission for the Exhibition of 1851.

2007-11 Research Fellowship, Gonville and Caius College, University of Cambridge.