

PERSONAL INFORMATION

Name: Mihalis Verykokakis
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Research interests

- Transcriptional and epigenetic control during lineage fate decisions in lymphopoiesis
- Function of innate and innate-like lymphocytes
- Innate-like lymphocyte based cancer immunotherapy

Education

2001-2007: Ph.D. in Molecular Biology and Biomedicine, University of Crete, Department of Medicine, Heraklion, Greece
1999-2001: M.Sc. in Molecular Biology and Biomedicine, University of Crete, Department of Medicine, Heraklion, Greece
1995-1999: B.Sc. in Biology, University of Athens, Department of Biology, Athens, Greece

Research Experience

2017-current: Research Associate-Stavros Niarchos Foundation Researcher, BSRC “Alexander Fleming”, Vari, Greece
2015-2017: Research Associate-Marie-Sklodowska Curie Researcher, BSRC “Alexander Fleming”, Vari, Greece
2012-2015: Research Associate-Assistant Professor, University of Chicago, Department of Pathology, Committee on Immunology, Chicago, IL, USA
2007-2012: Postdoctoral Scholar, Laboratory of Dr. Barbara Kee, University of Chicago, Department of Pathology, Committee on Immunology, Chicago, IL, USA
2001-2007: PhD student, Laboratory of Dr. George Mavrothalassitis, University of Crete, Department of Medicine and IMBB, Heraklion, Greece
2000-2001: Master’s student, Laboratory of Dr. George Mavrothalassitis, University of Crete, Department of Medicine, Heraklion, Greece
1998-1999: Undergraduate research, Laboratory of Dr. George Rodakis, University of Athens, Department of Biology, Athens, Greece

Teaching Experience

2017-current: Instructor, MSc in Molecular Biomedicine, Medical School, University of Athens, Athens, Greece
2000-2001: Teaching Assistant, weekly laboratory courses in Biochemistry and Molecular Biology for undergraduate students, University of Crete, Department of Biology, Heraklion, Greece

Awards/Honors

- 2017-2020: Stavros Niarchos Foundation Start-Up Grant
- 2015-2017: Marie Sklodowska-Curie Individual Fellowship, “EpiNKT”.
- 2013: AAI Trainee Abstract Award, American Association of Immunologists, Immunology 2013
- 2010: Poster presentation award, The University of Chicago Biomedical Sciences Symposium, Chicago, IL
- 1999-2005: Fellowship for graduate students in the Joint Graduate Program in Molecular Biology and Biomedicine, by the Institute of Molecular Biology and Biotechnology

Invited Seminars/Selected Talks

- 2017: Transcriptional regulation of innate T cell development
Invited Speaker, 39th Scientific Conference, Greek Society for the Biological Sciences, Lamia, Greece
- 2015: The transcription factor LEF1 controls invariant natural killer T cell expansion and Th2-type effector differentiation
Short talk, 66th Congress of the Hellenic Society of Biochemistry and Molecular Biology, Athens, Greece
- 2015: The E/ID proteins regulate the NKT2 cell fate through LEF1
Short talk, CD1-MR1 Meeting 2015, Mantra Lorne, Victoria, Australia
- 2014: The role of ID proteins in the development of innate-like lymphocytes.
Seminar Series, National Center for Scientific Research “Demokritos”, Athens, Greece
- 2013: Essential functions for ID proteins at multiple checkpoints in invariant NKT cell development.
Short talk, 42nd Autumn Immunology Conference, Chicago, IL, USA
- 2012: The role of Id3 in iNKT development
Short talk, The American Association of Immunologists, Immunology 2012, Boston, MA,
- 2012: ID proteins in Innate Lymphocyte Development
Invited talk, The University of Chicago Biomedical Sciences Symposium, Fontana, WI,
- 2011: Multiple roles for ID3 in the development of iNKT cells
Short talk, 6th International Symposium on CD1 and NKT cells, Chicago, IL, USA
- 2011: ID3 restricts the development of thymic innate-like T cells
Seminar Series, BSRC “Alexander Fleming”, Vari, Greece

Publications

Verykokakis M*. and Kee B.L*., (2017): Applying the TORC(QUE) in NKT cells: A new twist in an old tale. Eur J Immunol, Mar 47(3); 454-457 ***Corresponding authors**

Carr T., Krishnamoorthy V., Yu S., Xue H.H., Kee B.L.* , **Verykokakis M*** (2015): The transcription factor lymphoid enhancer factor 1 controls invariant natural killer T cell expansion and Th2-type effector differentiation. J Exp Med 2015, May 4;212(5):793-807 ***Corresponding authors**

Verykokakis M., Zook E., Kee B.L. (2014): ID'ing Innate and Innate-like Lymphoid Cells. Immunol Rev. 2014 Sep;261(1):177-97

Verykokakis M*, Krishnamoorthy V, Iavarone A, Lasorella A, Sigvardsson M, Kee B.L.* (2013) Essential functions for ID proteins at multiple checkpoints in invariant NKT cell development. J Immunol 2013, Dec 15;191(12): 5973-83 ***Corresponding authors**

Verykokakis M., Boos M.D., Bendelac A., Kee B.L. (2010) SAP protein-dependent natural killer T-like cells regulate the development of CD8(+) T cells with innate lymphocyte characteristics. Immunity 2010 Aug 27; 33(2):203-215

- *Commented by: Minton K. (2010): NKT cells favour the unconventional. Nature Rev Immunol 2010 Sep;10(9):618*

Verykokakis M., Boos M.D., Bendelac A., Adams E.J., Pereira P., Kee B.L. (2010) Inhibitor of DNA Binding 3 Limits Development of Murine Slam-Associated Adaptor Protein-Dependent "Innate" $\gamma\delta$ T cells. PLoS ONE 2010 5(2): e9303

Verykokakis M., Papadaki C., Vorgia E., LeGallic L., Mavrothalassitis G. (2007) The Erf control of cell proliferation and differentiation is mediated by *c-Myc* transcriptional repression. J Biol Chem 2007 Oct 12; 282(41), 30285-30294

Papadaki C., Alexiou M, Cecena G., **Verykokakis M.**, Bilitou K., Cross J.C., Oshima R.G., Mavrothalassitis G. (2007) The Transcriptional Repressor Erf Determines Extraembryonic Ectoderm Differentiation. Mol Cell Biol. 2007 Jul;27(14):5201-13

Polychronopoulos S., **Verykokakis M.**, Yazicioglu M.N., Sakarellos-Daitsiotis M., Cobb M.H. and Mavrothalassitis G. (2006) The transcriptional ETS2 repressor factor associates with active and inactive Erks through distinct FXF motifs. J Biol Chem 2006 Sep 1; 281(35), 25601-25611

Selected Poster Presentations

2013: **Verykokakis M.**, Kee B.L.: Essential functions for ID proteins at multiple checkpoints in iNKT cell development. 7th International Symposium on CD1 and NKT cells. Tours, France

2013: **Verykokakis M.**, Kee B.L.: ID proteins regulate the development of invariant natural killer T cells. The University of Chicago Biomedical Cluster Symposium, Fontana, WI, USA

2012: **Verykokakis M.**, Krishnamoorthy V., Kee B.L.: Increased development of invariant Natural Killer T cells in the absence of Id proteins. 41st Autumn Immunology Conference, Chicago, IL, USA

2011: **Verykokakis M.** and Kee B.L.: Id3 is necessary for the thymic maturation of NKT cells but not for their positive selection. EUThyme Rolduc Meeting, Leeuwenhorst, The Netherlands

2010: **Verykokakis M.**, Boos M.D. and Kee B.L.: SLAM-associated protein (SAP)-dependent lymphocytes regulate innate-like CD8 T cell development. FASEB Summer Research Conference 2010: Biology of the Immune System, Carefree, AZ, USA

2010: **Verykokakis M.**, Boos M.D. and Kee B.L.: SLAM-associated protein (SAP)-dependent lymphocytes regulate innate-like CD8 T cell development. The University of Chicago, Biological Sciences Division Symposium, Chicago, IL, USA

2009: **Verykokakis M.**, Boos M.D. and Kee B.L.: The Inhibitor of DNA Binding 3 (Id3) limits development of SLAM-associated Adaptor Protein (SAP)-dependent "innate" $\gamma\delta$ T cells. 38th Autumn Immunology Conference, Chicago, IL, USA

2008: **Verykokakis M.**, Boos M.D. and Kee B.L.: Altered development and activation of $\gamma\delta$ T cells in *Id3*-deficient mice. ThymUS 2008 International Conference on Lymphopoiesis, T cell development and Immune Reconstitution, San Jose, Puerto Rico