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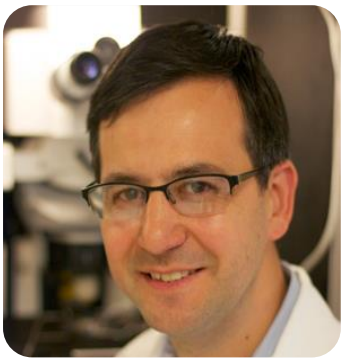

I am originally from Bulgaria and I completed my MD degree in my home country. Then, I moved to the United States to study for PhD degree at Duke University. I trained with Prof. You-Wen He and studied the role of anti-apoptotic proteins Bcl-2 and Mcl-1 in T cell development and the immune response. For my post-doctoral training, I moved to the West Coast and worked in Prof. Ellen Robey's lab at UC Berkeley to study negative selection of T cells in the thymus. I used extensively various mouse models and advanced microscopy such as two-photon microscopy to visualize the behavior of thymocytes in living tissue.

In my lab at National Yang-Ming University, we study how do fibroblasts and macrophages support T cell development is the thymus. These two cell types are present in every organ and they help the main cell populations (e.g. hepatocytes in the liver, cardiomyocytes in the heart, etc.) to best perform their functions. However, in each tissue, fibroblasts and macrophages need to adapt to the local environment and demands. We want to know what are the unique adaptations of the resident thymic macrophages and fibroblasts and how these adaptations are important for optimal T cell development. To address these questions, we use a variety of approaches including flow cytometry, microscopy, organ transplantation and various genetically modified mice.

想進一步了解老師更多資訊，請參閱網站：
https://imi.ym.edu.tw/files/13-1255-15737.php

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