

Immunopathogenesis of viral infections

A postdoctoral training position is available in the laboratory of **Dr Theodoros Kelesidis**, in the **department of Internal Medicine** at UT Southwestern Medical Center to study **immunopathogenesis of viral infections**. The pandemic COVID-19 emphasized the need to develop novel therapeutic strategies to combat morbidity and mortality from viral infections. The Kelesidis laboratory focuses on infectious diseases, immunology and cardiometabolic complications of infectious diseases including HIV infection. Our lab aims at understanding the complex interplay between oxidative stress, inflammation and aberrant host responses that drive end organ disease in infectious diseases. The lab integrates both basic and translational research platforms with a goal to apply tools from multiple fields (immunology, virology, molecular biology and medicine) to understand immunopathogenesis of infectious diseases. Our vision is to define the mechanistic links between viral infections such as HIV and SARS-CoV-2 infection, oxidative stress, inflammation and end organ disease such as cardiovascular disease. These findings may lead to development of novel therapeutic interventions that can target viral replication and associated cellular and tissue damage and may improve the prognosis of patients infected with viruses such as HIV and SARS-CoV-2.

Qualifications:

- A PhD is required. Candidates with a strong background in molecular immunology and/or virology and or related disciplines are strongly encouraged to apply.
- Preferred qualifications: Familiar with techniques such as multi-color flow cytometry, sterile technique for cell culture with BSL-2+ practices, virus culture and titration, ELISA, qRT-PCR, immunofluorescence, Western Blot and molecular biology techniques. Mouse experience is preferred. The candidate should be comfortable working with BSL2+ biospecimens including biospecimens (cells, plasma, tissues) from patients or mice with COVID-19 and/or HIV.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>.

Interested individuals should send a CV, statement of interests, and a list of three references to:

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