

カリフォルニア州ロサンゼルス市にある Cedars-Sinai Medical Center の島田ラボではポストドクを1名募集いたします。

当研究室は Infectious Diseases and Immunology Research Center (IIDRC) と Department of Biomedical Science に属し、急性肺傷害や肺感染症、宿主と病原体の免疫応答、損傷 DNA の自然免疫による認識、ミトコンドリアによる肺炎症反応の制御、ミトファジー・オートファジーとインフラマソームの分子機構などを研究しています。

参考文献

<http://www.ncbi.nlm.nih.gov/sites/myncbi/1PC25h897ifQn/bibliography/40716254/public/?sort=date&direction=ascending>

主な研究課題

メカニカルベンチレーションと炎症性サイトカインによる急性肺障害の分子機構

応募資格

博士の学位を有志し、動物実験の経験があることに加え基本的な分子生物学、細胞生物学、生化学、免疫学的実験方法に精通していること（ELISA、フローサイトメトリー、Western blot、組織染色等）。実験と考察がバランス良く出来、やる気のある方を歓迎いたします。

着任時期

適任者が決まり次第。

任期

2-3年。（2年の更新可）

応募方法

英語で CV、これまでの研究経歴と研究志望（1 ページ以内）、推薦状をいただける方々の連絡先（名前、住所、メールアドレス、電話番号）を下記の E-mail アドレスに送付ください。

島田賢一

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CEDARS-SINAI MEDICAL CENTER.

Postdoctoral Research Fellow in Los Angeles, California USA
– Lung Immunology and Inflammation

A postdoc opportunity is available to study cell death and inflammation in acute lung injury in the lab of Dr. Kenichi Shimada, Associate Professor, Department of Pediatric & Department of Biomedical Sciences at Cedars-Sinai Medical Center in Los Angeles, California. The lab studies wide range of topics of inflammatory diseases including innate immune signaling, immune response to oxidative damaged DNA, host defenses to pathogens, stress response to mitochondria and mitophagy/autophagy, and mitochondrial immune metabolisms in immune cells.

Applicants should submit a brief statement [1] explaining their interest in the position, a curriculum vita [2] and the contact information of three references [3] by email directly to Dr. Kenichi Shimada at kenichi.shimada@cshs.org.

References from Labs

1. Intestinal Permeability and IgA Provoke Immune Vasculitis Linked to Cardiovascular Inflammation. *Immunity*. 2019 Sep 17;51(3):508-521.e6.
2. T-Cell-Intrinsic Receptor Interacting Protein 2 Regulates Pathogenic T Helper 17 Cell Differentiation. *Immunity*. 2018 Nov 20;49(5):873-885.e7.
3. The NLRP3 inflammasome is required for the development of hypoxemia in LPS/mechanical ventilation acute lung injury. *Am J Respir Cell Mol Biol*. 2014 Feb;50(2):270-80.
4. Oxidized mitochondrial DNA activates the NLRP3 inflammasome during apoptosis. *Immunity*. 2012 Mar 23;36(3):401-14.

DESIRED SKILLS AND EXPERIENCE

The ideal candidate should have a PhD or equivalent degree in immunology or other related fields with good working knowledge in cell biology, biochemistry and mouse models of inflammation. The candidate should have strong publication record in international journals, possess good written and verbal communication skills, and be able to work independently and collaboratively within a research team. The candidate should be proficient in experimental mouse models and standard biological techniques (protein biochemistry, molecular biology, cell biology, tissue culture and pathology).

ABOUT THE EMPLOYER

Cedars-Sinai Medical Center is a non-profit academic medical center and the Burns and Allen Research Institute has one of the largest state-of-the-art clinical and translational research facilities of any private hospital in the nation. As a major community medical center and tertiary referral center, Cedars-Sinai offers an environment of unparalleled opportunity for translational studies.

<http://www.cedars-sinai.edu/Research/index.aspx>