



## Constantino López-Macías

### Contact

Constantino López-Macías

## Publications (15)

Valero-Pacheco N, Klenerman P, Reyes-Sandoval A, Isibasi A, Pastelin-Palacios R, Sánchez-Torres L, Gil Cruz C, Pérez Shibayama C, Kurioka A, Wong-Baeza I, Pérez-Toledo M, Kemlo P, Aldapa-Vega G, Blight J, López-Macías C. Conservation of the OmpC Porin Among Typhoidal and Non-Typhoidal Serovars. *Front Immunol* 2020; 10:2966.

Pérez Shibayama C, Gommerman J, Scandella E, Robinson M, Soneson C, Mack M, Turley S, Buechler M, López-Macías C, Li C, Novkovic M, Mörbe U, Printz A, Onder L, Cheng H, Gil Cruz C, Ludewig B. Fibroblastic reticular cells initiate immune responses in visceral adipose tissues and secure peritoneal immunity. *Sci Immunol* 2018; 3

Carreño J, Pérez Shibayama C, Gil Cruz C, López-Macías C, Vernazza P, Ludewig B, Albrich W. Evolution of Salmonella Typhi outer membrane protein-specific T and B cell responses in humans following oral Ty21a vaccination: A randomized clinical trial. *PLoS one* 2017; 12:e0178669.

Pérez-Toledo M, Bonifaz L, Isibasi A, Cunningham A, Arriaga-Pizano L, Pérez-Tapia S, Becker I, Moreno-Eutimio M, Pérez Shibayama C, Gil Cruz C, Pastelin-Palacios R, Valero-Pacheco N, López-Macías C. Salmonella Typhi Porins OmpC and OmpF Are Potent Adjuvants for T-Dependent and T-Independent Antigens. *Front Immunol* 2017; 8:230.

Carreño J, Gander B, López-Macías C, Tanoue Y, Chariatte D, Isibasi A, Pastelin R, Printz A, Gil Cruz C, Pérez Shibayama C, Ludewig B. PLGA-microencapsulation protects Salmonella typhi outer membrane proteins from acidic degradation and increases their mucosal immunogenicity. *Vaccine* 2016; 34:4263-9.

Pérez Shibayama C, López-Macías C, Isibasi A, Waisman A, Regen T, Scandella E, Onder L, Chai Q, Hisaki E, Cervantes-Barragan L, Pastelin-Palacios R, Gil Cruz C, Ludewig B. IFN- $\gamma$ -producing CD4+ T cells promote generation of protective germinal center-derived IgM+ B cell memory against Salmonella Typhi. *J Immunol* 2014; 192:5192-200.

Adan M, Edmundo C, Isibasi A, Cecilia B, Marcos F, Isabel B, Rubén L, Gil Cruz C, Pérez Shibayama C, Pastelin-Palacios R, Alejandra T, López-Macías C. Salmonella Typhi OmpS1 and OmpS2 porins are potent protective immunogens with adjuvant properties. *Immunology* 2013

Ross E, Buckley C, MacLennan I, Watson S, Khan M, Henderson I, López-Macías C, Gil Cruz C, Hitchcock J, Abhyankar N, Charlesworth J, Hussain K, Marshall J, Bobat S, Flores-Langarica A, Coughlan R, Cunningham A. CD31 is required on CD4+ T cells to promote T cell survival during Salmonella infection. *J Immunol* 2011; 187:1553-65.

Pastelin-Palacios R, Isibasi A, Gunn J, Bonifaz L, Alpuche-Aranda C, Becker I, García-Zepeda E, Cunningham A, Ludewig B, Arriaga-Pizano L, Cervantes-Barragan L, Moreno-Eutimio M, Pérez Shibayama C, Gil Cruz C, López-Macías C. Subversion of innate and adaptive immune activation induced by structurally modified lipopolysaccharide from Salmonella typhimurium. *Immunology* 2011; 133:469-81.

Bobat S, MacLennan I, Alexander J, Henderson I, López-Macías C, Dougan G, Chamberlain J, Chester R, Gaspal F, Letran S, Leyton D, Serre K, Gil Cruz C, Goodall M, Kingsley R, Marshall J, Hitchcock J, Flores-Langarica A, Cunningham A. Soluble flagellin, FliC, induces an Ag-specific Th2 response, yet promotes T-bet-regulated Th1 clearance of Salmonella typhimurium infection. *Eur J Immunol* 2011; 41:1606-18.

Gil-Cruz C, López-Macías C, MacLennan I, Dougan G, Buckley C, Jensen K, Khan M, Coughlan R, Leyton D, Henderson I, Ross E, Kingsley R, Marshall J, Bobat S, Cunningham A. The porin OmpD from nontyphoidal Salmonella is a key target for a protective B1b cell antibody response. *Proc Natl Acad Sci USA* 2009; 106:9803-8.

Cervantes-Barragan L, Kalinke U, Züst R, König M, Reizis B, López-Macías C, Thiel V, Ludewig B. Type I IFN-mediated protection of macrophages and dendritic cells secures control of murine coronavirus infection. *Journal of immunology* (Baltimore, Md. : 1950) 2009; 182:1099-106.

Cervantes-Barragan L, Gil Cruz C, Pastelin-Palacios R, Lang K, Isibasi A, Ludewig B, López-Macías C. TLR2 and TLR4 signaling shapes specific antibody responses to *Salmonella typhi* antigens. *Eur J Immunol* 2009; 39:126-35.

Acosta-Ramírez E, Leclerc D, Isibasi A, Becker I, Flores-Romo L, Santos-Argumedo L, Cervantes-Barragan L, Manjarrez-Orduño N, Ramírez-Saldaña M, Gil-Cruz C, Pastelin-Palacios R, Majeau N, Pérez-Flores R, López-Macías C. Translating innate response into long-lasting antibody response by the intrinsic antigen-adjuvant properties of papaya mosaic virus. *Immunology* 2007; 124:186-97.

Secundino I, Edmundo C, Puente J, Becker I, Villasis-Keever M, Pastelin-Palacios R, Ríos-Sarabia N, Gil-Cruz C, Cervantes-Barragan L, López-Macías C, Isibasi A. *Salmonella* porins induce a sustained, lifelong specific bactericidal antibody memory response. *Immunology* 2006; 117:59-70.

## Projects (0)

No results found.

---

Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

[support.forschung@kssg.ch](mailto:support.forschung@kssg.ch)