



Sandra Ring

Contact

Sandra Ring
Rorschacher Str. 95
9007 St. Gallen
Switzerland

T +71 494 2805
sandra.ring@kssg.ch

Units

Institute of Immunobiology

Profile Function

MD- or PhD student

Publications (11)

Ring S, Spiegl M, Besse A, Bonilla W, Stemeseder F, Schmidt S, Orlinger K, Krebs P, Ludewig B, Wenger R, Hartmann F, Cupovic J, Onder L, Lütge M, Pérez Shibayama C, Gil Cruz C, Scandella E, De Martin A, Mörbe U, Flatz L. Viral vector-mediated reprogramming of the fibroblastic tumor stroma sustains curative melanoma treatment. *Nat Commun* 2021; 12:4734.

Cupovic J, Klenerman P, Engeler D, Krebs P, Scandella E, Oxenius A, Flatz L, Provine N, De Martin A, Cheng H, Lütge M, Colston J, Onder L, Ring S, Ludewig B. Adenovirus vector vaccination reprograms pulmonary fibroblastic niches to support protective inflating memory CD8 T cells. *Nat Immunol* 2021; 22:1042-1051.

Ring S, Królik M, Hartmann F, Schmidt E, Ali O, Ludewig B, Kochanek S, Flatz L. Heterologous Prime Boost Vaccination Induces Protective Melanoma-Specific CD8 T Cell Responses. *Mol Ther Oncolytics* 2020; 19:179-187.

Pérez Shibayama C, Gil Cruz C, Colston J, Novkovic M, De Martin A, Ring S, Onder L, Cheng H, Lütge M, Islander U, Ludewig B. Type I interferon signaling in fibroblastic reticular cells prevents exhaustive activation of antiviral CD8 T cells. *Sci Immunol* 2020; 5

Fröhlich A, Ring S, Golletz C, Pietsch T, Strieth S, Brossart P, Gielen G, Kristiansen G, Bootz F, Landsberg J, Flatz L, Hoffmann F, Sirokay J, Fietz S, Vogt T, Dietrich J, Zarbl R, Florin M, Kuster P, Saavedra G, Valladolid S, Dietrich D. Molecular, clinicopathological, and immune correlates of LAG3 promoter DNA methylation in melanoma. *EBioMedicine* 2020; 59:102962.

Hasan Ali O, Hundsberger T, Diem S, Müller S, Pop O, Markert E, Müller J, Moulin A, Ring S, Ackermann C, Berner F, Flatz L. Fingolimod and tumor-infiltrating lymphocytes in checkpoint-inhibitor treated cancer patients. *Cancer Immunol Immunother* 2020; 70:563-568.

Hoffmann F, Landsberg J, Kristiansen G, Flatz L, Pietsch T, Dietrich J, Ring S, Gielen G, Strieth S, Kuster P, Saavedra G, Brossart P, Holderried T, Posch C, Fröhlich A, Sirokay J, Niebel D, Zarbl R, Dietrich D. Prognostic and predictive value of PD-L2 DNA methylation and mRNA expression in melanoma. *Clin Epigenetics* 2020; 12:94.

Hasan Ali O, Navarini A, Kim A, French L, Dermitzakis E, Christiano A, Hohl D, Bickers D, Nikolaev S, Jochum W, Fritzsche F, Yurchenko A, Pavlova O, Sartori A, Bomze D, Higgins R, Ring S, Hartmann F, Bühler D, Flatz L. Genomic profiling of late-onset basal cell carcinomas from two brothers with nevoid basal cell carcinoma syndrome. *J Eur Acad Dermatol Venereol* 2020

Berner F, Hartmann F, Cheng H, Hönger G, Recher M, Goldman J, Cozzio A, Früh M, Neefjes J, Driessen C, Ludewig B, Hegazy A, Jochum W, Speiser D, Zippelius A, Läubli H, Bomze D, Diem S, Ali O, Fässler M, Ring S, Niederer R, Ackermann C, Baumgaertner P, Pikor N, Cruz C, van de Veen W, Akdis M, Nikolaev S, Flatz L. Association of Checkpoint Inhibitor-Induced Toxic Effects With Shared Cancer and Tissue Antigens in Non-Small Cell Lung Cancer. *JAMA Oncol* 2019; 5:1043-1047.

Fässler M, Jörger M, Recher M, Risch L, Gusewell S, Risch M, Speiser D, Ludewig B, Levesque M, Dummer R, Siano M, Krolík M, Diem S, Mangana J, Hasan Ali O, Berner F, Bomze D, Ring S, Niederer R, Gil Cruz C, Pérez Shibayama C, Flatz L. Antibodies as biomarker candidates for response and survival to checkpoint inhibitors in melanoma patients. *J Immunother Cancer* 2019; 7:50.

Ring S, Flatz L. Generation of Lymphocytic Choriomeningitis Virus Based Vaccine Vectors. *Methods Mol Biol* 2016; 1404:351-64.

Projects (1)

Vaccine and immunotherapy induced CD8+ T cell responses against auto-, neo- and foreign antigens

Fundamental Research - Jan 1, 2016 - Dec 31, 2019

Automatically Closed

Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

support.forschung@kssg.ch